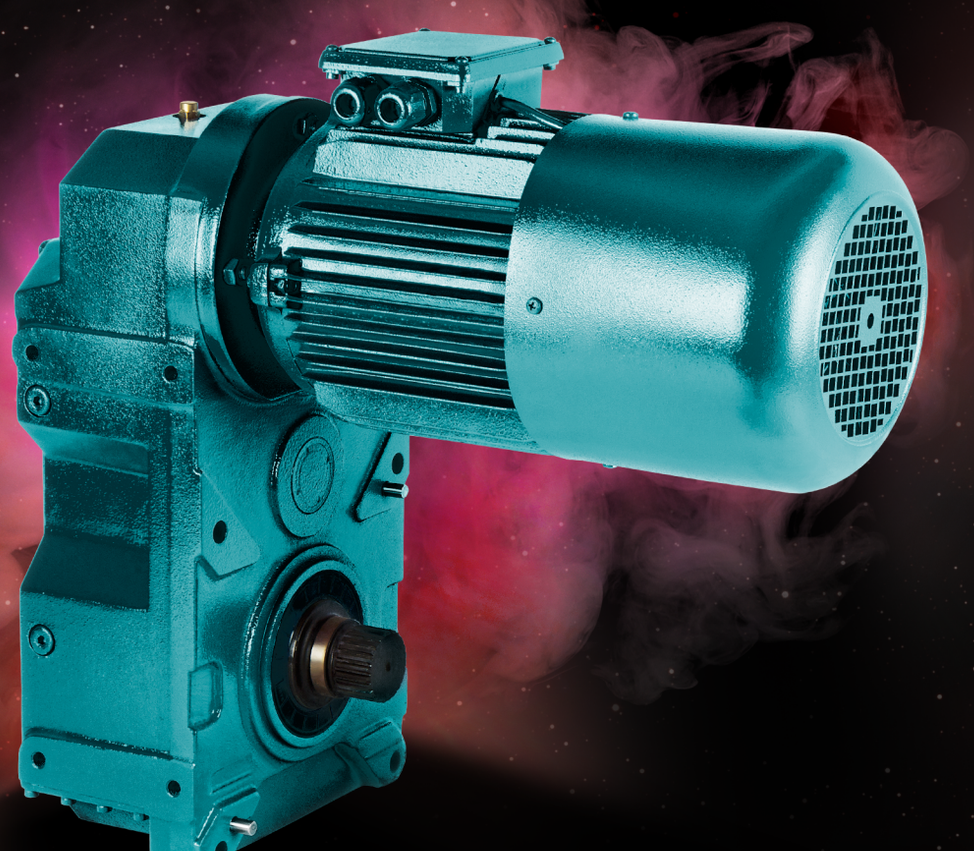
brevini power transmission

V SERIES

BREVINI GEARMOTORS

BREVINI GEARMOTORS

Parallel Shaft Helical Gearboxes for Hoisting



V SERIES

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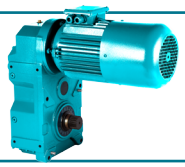

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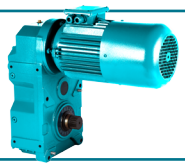

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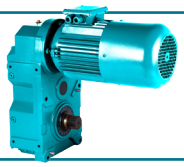

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Significato dei simboli	*Key of Symbols*	Erklärung von Bezeichnungen
c_t ..... **: Coeff. tempo di attivazione**	c_t ..... *: Coefficient of switch on time*	c_t ..... : Reduktionskoeffizient der Tätigkeitszeit
D_T ..... **: Diametro tamburo [mm]**	D_T ..... *: Drum diameter [mm]*	D_T ..... : Trommeldruchmesser [mm]
f_s ..... **: Fattore di servizio**	f_s ..... *: Service factor*	f_s ..... : Betriebsfaktor
f_q ..... **: Carichi radiali applicati sull'albero in uscita [N]**	f_q ..... *: Overhung loads applied to the output shaft [N]*	f_q ..... : Querkräfte auf Abtriebswelle [N]
F_{qam} ..... **: Carichi radiali ammessi sugli alberi in uscita [N]**	F_{qam} ..... *: Permissible overhung loads applied to output shafts [N]*	F_{qam} ..... : Zulässige Querkräfte auf Abtriebswelle [N]
H ..... **: Corsa del gancio [m]**	H ..... *: Hook path [m]*	H ..... : Hakenweg [m]
i ..... **: Rapporto di trasmissione**	i ..... *: Transmission ratio*	i ..... : Übersetzung
k ..... **: Rimandi**	k ..... *: Falls*	k ..... : Einscherung
K_m ..... **: Stato di carico**	K_m ..... *: State of loading*	K_m ..... : Lastkollektivfaktor
L ..... **: Carico [tonnellate]**	L ..... *: Load [tones]*	L ..... : Last [tonnen]
M_2 ..... **: Coppia trasmessa [Nm]**	M_2 ..... *: Output torque [Nm]*	M_2 ..... : Ausgangsdrehmoment [Nm]
n ..... **: Numero di cicli per ora**	n ..... *: Number of cycles per hour*	n ..... : Anzahl von Starten pro Stunde
n_1 ..... **: Velocità di rotazione in entrata al riduttore [giri/min.]**	n_1 ..... *: Input speed of gearbox [rpm]*	n_1 ..... : Antriebsdrehzahl [U/min]
n_2 ..... **: Velocità di rotazione in uscita dal riduttore [giri/min.]**	n_2 ..... *: Output speed of gearbox [rpm]*	n_2 ..... : Abtriebsdrehzahl [U/min]
P_1 ..... **: Potenza in entrata al ridut. [kW]**	P_1 ..... *: Input power of gearbox [kW]*	P_1 ..... : Antriebsleistung [kW]
P_e ..... **: Potenza nominale (indicata nelle tabelle prestazionali) [kW]**	P_e ..... *: Nominal power (Given on performance tables) [kW]*	P_e ..... : Getriebe Nennleistung [kW]
T ..... **: Tempo di funz. dell'app. di sollevamento, al giorno [ore]**	T ..... *: Crane working time per day [hours]*	T ..... : Betriebsstunden pro Tag [Stunde]
V_h ..... **: Velocità di sollevam. [m/min.]**	V_h ..... *: Lifting speed [m/min]*	V_h ..... : Hubgeschwindigkeit [m/min]
z ..... **: Numero di pulegge folli**	z ..... *: Number of idle pulleys*	z ..... : Anzahl von Losrollen
η ..... **: Rendimento riduttore**	η ..... *: Gearbox efficiency*	η ..... : Wirkungsgrad des Getriebes
η_s ..... **: Rendimento totale della dispos. dei passaggi del cavo**	η_s ..... *: Total rope reeving arrangament efficiency*	η_s ..... : Wirkungsgrad von Anordung der Einscherung

Note / *Notes* / Notizen

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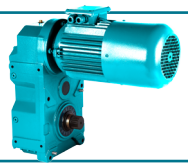

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Caratteristiche generali dei riduttori serie V

I riduttori serie V di Brevini Power Transmission S.p.A. sono riduttori di tipo elicoidale tristadio, in esecuzione monoblocco, utilizzati per azionare il tamburo di apparecchi di sollevamento.

Con il supporto dei corpi monoblocco, tutti gli assi vengono lavorati in un'unica operazione, per garantire un elevato grado di precisione in produzione. I collegamenti bullonati nei riduttori serie V sono fatti direttamente sul corpo utilizzando fori di connessione semplici che non richiedono bulloni lunghi. Questo garantisce la solidità del montaggio. La distanza interassiale in entrata e in uscita è quanto più possibile estesa così da utilizzare tamburi più grandi e assicurare ai cavi una durata maggiore.
La distanza tra i cuscinetti nell'albero in uscita dei riduttori serie V è lunga e il corpo è più largo. La maggiore distanza tra i cuscinetti e l'utilizzo di cuscinetti conici a rullo fanno sì che questi riduttori siano in grado di resistere a carichi radiali elevati. I riduttori serie V sono progettati per classi ISO / FEM superiori e hanno ingranaggi più ampi rispetto a prodotti di dimensioni analoghe. Il corpo è realizzato in ghisa GG20 - GG22 e gli ingranaggi sono in acciaio cementato di alta qualità. Le caratteristiche dei materiali e i processi produttivi sono oggetto di controlli costanti. Gli alberi in uscita sono pieni e con una linguetta conforme alla DIN5480, e sono prodotti in diverse dimensioni.
I riduttori serie V sono progettati per motori autofrenanti a doppia e singola velocità. Sono disponibili in cinque diverse dimensioni fra 0,5 e 50 tonnellate di carico. Nelle tabelle prestazionali non vengono considerati i motori a doppia velocità di rotazione. Qualora ne aveste necessità, vi invitiamo a consultarci.

In sede di progettazione, in Brevini Power Transmission ci lasciamo guidare dai principi seguenti:
- Utilizzo di alta tecnologia
- Affidabilità
- Elevata densità di potenza
- Alto rendimento
- Compatibilità in sede di montaggio
- Soluzioni flessibili

Attenzione ai punti seguenti!
- I disegni hanno scopo puramente indicativo e i dettagli riportati nei disegni o nelle illustrazioni non sono vincolanti.
- Brevini Power Transmission S.p.A. si riserva il diritto di apportare qualsiasi tipo di cambiamento ai prodotti e ai cataloghi senza alcun preavviso.
- Prima della messa in funzione, leggere attentamente e attenersi alle istruzioni operative fornite assieme al riduttore.
- Le quantità di olio indicate sono solo indicative. L'esatta quantità di olio andrà verificata con l'aiuto dei tappi di livello olio forniti, a seconda delle posizioni di montaggio. Per conoscere la giusta viscosità dell'olio, si veda la targhetta applicata sull'apparecchio.
- L'utilizzo del riduttore in una posizione di montaggio diversa da quella indicata sulla targhetta comporta il decadimento della garanzia. I pesi indicati nel presente catalogo sono valori medi. Il peso può variare in funzione del rapporto e degli accessori.

General Specifications of V Series Gearboxes

Brevini Power transmission S.p.A. V series gear units are three stage, helical geared hoist drum drive units produced according to the monoblock principle.

With the support of monoblock housings all axes work with single operation to achieve high production precision. V series bolt connections are made directly on the housing with easy connection holes which do not require long bolts. This ensures rigid mounting. Input and output center distance is extended as much as possible for using larger drums to achieve longer rope service life.

The V series gear unit output shaft bearing distance is long and the housing width is extended. Longer bearing distance and taper rolling bearings make them capable of withstanding high radial loads. V series are designed for higher ISO / FEM classes with greater gear face widths compared to products of similar size. The housing material is GG20 - GG22 cast iron and the gears are made of high quality case carburized steel. The material properties as well as the manufacturing processes are constantly checked. The output shafts are solid output shafts with spline according to DIN5480 and are produced with different dimensions.

V series gear units are designed for double and single speed brake motors. The are available in five different sizes in the 0.5 - 50 tons load range. ***Double speed motors are not included in the performance tables. If double speed motors are required, please consult us****.*

As Brevini Power Transmission S.p.A.,our design principals are:
-Use of high technology
-Reliability
-High power density
-High efficiency
-Compatible mounting
-Flexible solutions

Attention to the following points !
- Drawings are examples only and the details on the drawings or illustrations are not strictly binding.

- Brevini Power Transmission S.p.A. reserves the right to make all kinds of changes in products and catalogs without any notice.
- Prior to commissioning, the operating instructions provided with the gearbox must be observed.

- Oil quantities given are guide values only. The exact quantity of oil should be checked by using the provided oil level plugs according to the mounting positions. For correct oil viscosity refer to the nameplate.

- A different operation than the indicated mounting position on the name plate cancels the warranty. The weights given in this catalog are mean values. Depending on the ratio and accessories the weights can differ.

Allgemeine Eigenschaften von V Serie Getrieben

Brevini Power transmission S.p.A. V Serie Getriebe sind Antriebseinheiten von Hubwerkstrommel und sind 3-stufig. Sie bestehen aus Stirnradzahnräder und Gehäuse, das auf einmal gegossen wird.

Mit Hilfe von Blockgehäuse werden alle Achsen mit einer Aufspannung bearbeitet. Dieses Vorgehen erlaubt höchste Genauigkeit bei Achsentoleranzen. Schraubenverbindungen von V Serie werden direkt auf dem Gehäuse mit einfachen Anschlusslöchern gemacht. Dies ermöglicht Verwendung von kürzeren Schrauben und dadurch starre Befestigung. Achsenabstand zwischen Ein- und Ausgang ist möglichst lang entworfen. Damit kann größere Trommel mit hoher Seillebensdauer verwendet werden.
V Serie Getriebemotoren haben am Ausgang lange Lagerabstand und Weite von Gehäusen sind erweitert. Mit Hilfe von langer Lagerabstand und Kegelrollenlager können diese Getriebe hohe Querkräfte tragen. V Serie sind entworfen für hohe ISO/FEM Klassen mit langem Zahnradbreiten verglichen mit Getriebe ähnlichen Baugrößen. Gehäuse ist aus GG20 - GG22 Gusseisen und Zahnräder werden aus einsatzgehärteten Stahl mit hoher Qualität hergestellt. Ausgangswellen sind Keilwellen nach DIN 5480 und werden in verschiedenen Dimensionen zur Verfügung gestellt.

V Serie Getriebemotoren sind entworfen für 1- und 2-Gang-Elektromotren. Diese Getriebe haben 5 verschiedene Baugrößen zwischen 0.5 und 50 Tonnen Lastbereich. Angaben für 2-Gang-Elektromotoren stehen nicht in diesem Katalog. Wenn 2-Gang-Elektromotren benutzt wird, bitte mit uns Kontakt aufnehmen.

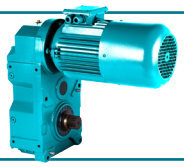
Als Brevini Power transmission S.p.A. unsere Entwurfsprinzipien sind;
- Verwenden von hohen Fertigungstechniken
- Hohe Betriebssicherheit
- Leistungsdichte
- Hoher Wirkungsgrad
- Universale Montagemöglichkeit
- Sonderlösungen

Bitte folgende Punkte beachten !
- Die Abbildungen sind beispielhaft und nicht verbindlich.

- Alle Änderungen auf dem Katalog und an der Produkte bleiben vorbehalten und können ohne Kenntnisnahme erfolgen.
- Vor Inbetriebnahme ist die mit gelieferter Betriebsanleitung zu beachten.

-Angaben über Ölmengen sind unverbindlich. Maßgebend ist die Ölstandsschraube in der geeigneten Montageposition. Ölviskosität und Sorte muss den Angaben des Typenschieldes entsprechen.

- Wenn die Getriebe anders als auf dem Namenschild benannte Bauform eingesetzt werden, verliert die Garantie ihre Gültigkeit. Die angegebenen Gewichte sind unverbindliche Mittelwerte ohne Zubehör; genauere Gewichte sind abhängig von Zubehör und Übersetzung.



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Spiegazioni tecniche

- Classificazione degli apparecchi di sollevamento
I fattori da tenere in considerazione nel determinare il gruppo di cui fa parte l'apparecchio di sollevamento sono: totale ore lavoro prevista di vita e stato di carico. Le classi a cui possono appartenere gli apparecchi vanno dalla M1 alla M8 secondo la norma ISO 4301 / 1 e dalla 1Dm alla 5m secondo la norma FEM 9.1511 / 86.

- Stato di carico (Fattore di spettro di carico)
Per calcolare lo stato di carico di un apparecchio di sollevamento si possono utilizzare le formule riportate a pagina 14. Esistono quattro diversi stati di carico, che sono: leggero, moderato, pesante e molto pesante.

- Capacità di carico
Carico massimo che un apparecchio di sollevamento può supportare.

- Corsa del gancio
Altezza massima alla quale un apparecchio di sollevamento può sollevare o abbassare il carico.

Disposizione dei passaggi del cavo
La disposizione dei passaggi del cavo
$N/n_h - h$ **è espressa con 3 numeri. Dove:**
N**:Rimandi totali**
n_h**:Numero di cavi**
h**:Numero di ganci**
Il numero dei ganci non viene indicato se è pari a 1. Per esempio 4/1 significa che il totale rimandi è 4 e il numero di cavi è 1.

- Rimandi
Corrisponde al rapporto tra la velocità di sollevamento e la velocità tangenziale del cavo nel punto in cui avvolge il tamburo.

- Diametro del tamburo
Il diametro del tamburo si può calcolare utilizzando la formula seguente.

$D_T = h_1 x d$

D_T = *diametro del tamburo*

d = *diametro del cavo*

h_1 = *coefficiente (indicato nella tabella qui sotto.)*

Technical Explanations

- Crane Classification
The factors to be taken into consideration for determining the group to which the crane belongs are: total working hours of the expected service life and load state. The crane classes are between M1...M8 according to ISO 4301 / 1 standard and between 1Dm...5m classes according to FEM 9.511 / 86 standard.

- Load State (Load Spectrum Factor)
It is possible to calculate the load state of a crane with the formulas specified on page 14. There are four different load states which are Light, Moderate, Heavy and Very Heavy.

- Load Capacity
Maximum load that a crane can handle.

- Hook Path
Maximum height at which a crane can raise or lower the load.

- Rope Reeving Arrangement
The rope reeving arrangement is expressed $N/n_h - h$ *with 3 numbers. As ;*
N: *Total falls*
n_h: *Rope number*
h: *Hook number*
Hook number is not shown when it is equal to 1. For example 4/1 means that the total fall is 4 and the rope number is 1.

- Falls
It is the ratio between the lifting speed and the tangential velocity of the rope at the point where it is wrapping to the drum.

- Drum Diameter
The rope drum diameter can be calculated using the following formula.

$D_T = h_1 x d$

D_T = *Drum diameter*

d = *Rope diameter*

h_1 = *Coefficient (shown on the table below.)*

Technische Erläuterungen

- Kranklassen
Klasse von einem Kran ist abhängig von gesamten Betriebsstunden bei vorgesehenem Lebensdauer und Belastungsart. Es gibt Kranklassen M1 bis M8 nach ISO 4301-1 und 1Dm bis 5m nach FEM 9.511/86.

- Belastungsart (Lastkollektiv)
Man kann Lastkollektivfaktor mit Hilfe von Gleichungen auf der Seite 14 berechnen. Es gibt vier Zustände von Belastung, nämlich Leicht, Mittel, Schwer und Sehr Schwer.

- Belastungskapazität
Maximale Belastung, die von dem Kran getragen werden kann.

- Hakenweg
Hakenweg ist der Abstand zwischen der höchsten und untersten Position von dem Haken.

- Ordnung von der Seileinscherung
Ordnung von Seileinscherung wird ausgedrückt als $N/n_h - h$ mit 3 Zahlen.
N: Gesamteinscherung
n_h: Seilnummer
h: Hakennummer
Haken Nummer wird nicht geschrieben, wenn es 1 beträgt. Zum Beispiel 4/1 bedeutet Gesamteinscherung ist 4 und Seilnummer 1 ist.

- Einscherung
Es ist das Verhältnis zwischen der Hubgeschwindigkeit und der Geschwindigkeit des Seils an dem Punkt, wo Seil tangential zu der Trommel abgewickelt wird

- Trommeldurchmesser
Trommeldurchmesser kann mit dem unten gegenenen Formeln berechnet werden.

$D_T = h_1 x d$

D_T = Trommeldurchmesser

d = Seildurchmesser

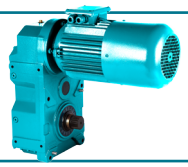
h_1 = Koeffizient (Sehen Sie folgende Tabelle)

FEM Group **FEM Gruppe**	*Nonfexible Rope* ***Nicht drehendes Seil***	*Standard Rope* ***Drehendes Seil***
1Em	10	11.2
1Dm	11.2	12.5
1Cm	12.5	14
1Bm	14	16
1Am	16	18
2m	18	20
3m	20	22.4
4m	22.4	25
5m	25	28

La classificazione degli apparecchi di sollevamento indicata nelle tabelle prestazionali è riferita solo ai riduttori. Dei calcoli relativi alle altre apparecchiature sono responsabili i produttori degli apparecchi di sollevamento.

Crane Classes are given on performance tables only for gearboxes. Crane producers are responsible for calculations for other equipment.

Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nur für Getriebe. Die Kranhersteller müssen andere Krankomponenten selber kontrollieren.



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- Coppia trasmessa (M_2) [Nm]
Moltiplicando la coppia in uscita dal motore per il rapporto di trasmissione e il rendimento si ottiene la coppia trasmessa a livello dell'albero in uscita dal riduttore.

- Output Torque (M_2) [Nm]
Multiplication of motor output torque by transmission ratio and efficiency gives the output torque result at the output shaft of the gear unit.

- Ausgangsmoment (M_2) [Nm]
Multiplikation von Ausgangsmoment des Motors mit Übersetzung und Division das Ergebnis mit Wirkungsgrad ergibt den Betrag von Ausgangsmoment der Getriebe.

- Potenza nominale (P_e) [kW]
La potenza nominale è la potenza a cui il riduttore, sottoposto a sollecitazioni meccaniche, è in grado di resistere secondo la classificazione ISO / FEM richiesta. I valori della potenza nominale sono indicati nelle tabelle prestazionali.

- Nominal Power (P_e) [kW]
The nominal power is the power which the gearbox can mechanically resist under the required ISO / FEM classification. The nominal powers are given on the performance tables.

- Nennleistung (P_e) [kW]
Die Nennleistung ist die Leistung, die von Getriebe mechanisch unter der angeforderten ISO / FEM-Gruppierung tragen werden kann. Die Nennleistungen basieren sich auf Leistungstabellen.

- Rapporto (i)
Rapporto tra il numero di giri dell'albero in uscita e quello dell'albero in entrata.

- Ratio (i)
Ratio between output shaft speed and input shaft speed.

- Übersetzung (i)
Wird aus dem Verhältnis von Ausgang- zu Eingangswinkelgeschwindigkeit bestimmt.

- Carichi radiali ammessi Fqam [N]
Carichi radiali ammessi al centro dell'albero in uscita dal riduttore.

- Permissible Radial Loads Fqam [N]
Permissible radial loads at the midpoint of the gearboxes output shaft.

- Zulässige Querkräfte Fqam [N]
Zulässigen Querkräfte,die am Mittelpunkt der Abtriebswelle von Getrieben einwirken.

Caratteristiche tecniche

Technical Specifications

Technische Informationen

- Livello di rumorosità
Il livello di rumorosità dei nostri riduttori è inferiore ai valori ammessi così come definiti nella direttiva VDI 2159 per i riduttori.

- Noise Level
The noise level of our gearboxes is below the permitted values defined in VDI guidelines 2159 for gear units.

- Geräuschpegel
Geräuschstärken aller Getriebe bleiben unter die zulässigen Werte, die für die Getriebe in der VDI-Richtlinie 2159 festgelegt sind.

- Verniciatura e protezione contro la corrosione
I riduttori sono verniciati con vernice di colore RAL 7031 in accordo alla DIN1843. Su richiesta, sono disponibili altri colori. Su richiesta, sono disponibili anche verniciature idonee per ambienti ad alto tasso di umidità o chimicamente aggressivi.

- Coating and Corrosion Protection
The gearboxes are painted with RAL 7031 according to DIN1843. Different colors are available upon request. Paint coating for high humidity or chemically aggressive environments are available upon request .

- Lackierung und Korrosionsschutz
Die Getriebe werden mit der Farbe RAL 7031 nach DIN1843 lackiert. Auf Wunsch sind Sonderlackierungen möglich. Alle Getriebe können auf Wunsch auch in korrosionsgeschützter Ausführung für aggressive Umgebungen geliefert werden.

- Lubrificazione

I riduttori della serie V utilizzano i tipi di olio riportati nelle tabelle di lubrificazione. Per maggiori informazioni sulla lubrificazione, fare riferimento alla sezione dedicata.

- Lubrication

V series gearboxes filled with the oils indicated on the lubrication tables. For lubrication details please refer to the lubrication section.

- Schmierung

V Serien Getriebe werden mit Ölen entsprechend der Schmierungstabellen, falls nicht anders vereinbart, geliefert. Für weitere Schmierungsangaben siehe Kapitel Schmierung.

- Accessori

I riduttori della serie V possono essere corredati dei seguenti accessori.
- Flangia di accoppiamento col tamburo
- Guarnizioni speciali di tenuta
- Indicatore livello olio
- Freni elettromagnetici con differenti caratteristiche
- Termistore
- Freno manuale

- Accessories

The following accessories can be applied to V series gearboxes.
- Drum connection flange
- Special sealing solutions
- Oil level indicator
- Electromagnetic brakes with different specifications
- Thermistor
- Manual brake

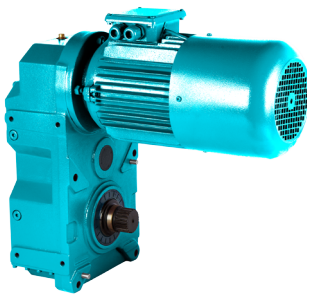
- Zubehör

Folgendes Zubehör kann mit V Serien Getriebe geliefert werden.
- Trommelflansch
- Spezielle Dichtungslösungen
- Ölstandsanzeige
- Elektromagnetische Bremsen mit unterschiedlichen Eigenschaften
- Thermistorschutz
- Bremse mit Bremshebel

Per altri accessori, si prega contattare Brevini Power Transmission S.p.A..

For other accessories please contact, Brevini Power Transmission S.p.A..

Für weiteres Zubehör kontaktieren Sie bitte mit, Brevini Power transmission S.p.A..

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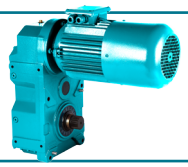


Designazione unità */ Unit Designation /* Typenbezeichnungen

V R 5 7 3 . 1K - 132S / 4 - L10

Freno / *Brake* / Bremse

L-230V **Con ventola** / *With Fan* / Mit Lüfter
P-24V **Con ventola** / *With Fan* / Mit Lüfter
S-230 V **Senza ventola** / *Without Fan* / Ohne Lüfter
Z-24 V **Senza ventola** / *Without Fan* / Ohne Lüfter

00- 5 Nm	**10-** 100 Nm
01- 10 Nm	**20-** 200 Nm
02- 25 Nm	**30-** 300 Nm
04- 40 Nm	**40-** 400 Nm
05- 50 Nm	**50-** 500 Nm

Numero di poli / *Number of poles* / Anzahl der Polen

Grandezza motore /*Motor Size /* Motorbaugröße

132S / 4

Numero di poli / *Pole Number* / Anzahl der Polen
Lunghezza corpo / *Frame Lenght* / Gehäuselänge des Motors
Grandezza motore / *Motor size* / Motorbaugröße

Albero in uscita con linguetta (DIN5480)
Output Shaft with Spline (DIN5480)
Keilwelle nach (DIN5480)
1K Standard / *Standard* / Standard
1L Opzionale / *Optional* / Auswählbar
1M Opzionale / *Optional* / Auswählbar (**Solo per VR673 için /** *Only for VR673* / Nur für VR673)

Stadio / *Stage /* Anzahl der Stufen

3 Stadi / *3 Stages* / 3-stufig

Numero di revizione / *Revision Number /* Änderungsnummer

Grandezza corpo / *Housing Size /* Größe der Gehäuse

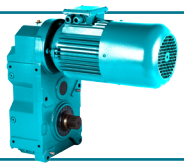
3...7

Tipo di entrata / *Input Type /* Eingangstyp

R :**Con motore** / *With Motor* / Mit Motor

Tipo di riduttore / *Gearbox Type /* Getriebe

V Serie / V Serie



Combinazioni di rapporti geometricamente possibili, in funzione della grandezza del motore
Geometrically Possible Combinations of Ratios According to Motor Size
Geometrisch mögliche Kombinationen von Übersetzungen nach Motorbaugröße

Tipo Type Typ	**Grandezza motore** / *Motor Size* / Motorbaugröße										
	63	**71**	**80**	**90**	**100**	**112**	**132**	**160**	**180**	**200**	**225**
VR373	32,11 - 121,67	32,11 - 121,67	32,11 - 121,67	32,11 - 121,67	23,58 - 121,67	23,58 - 106,69	23,58 - 79,34	-	-	-	-
VR473	-	95,87 - 138,35	95,87 - 138,35	95,87 - 138,35	34,28 - 138,35	28,45 - 138,35	28,45 - 121,49	28,45 - 81,00 101,48	-	-	-
VR573	-	-	51,97 107,18 - 163,77	51,97 107,18 - 163,77	28,30 - 163,77	28,30 - 163,77	28,30 - 163,77	28,30 - 143,35	28,30 - 42,62 58,36 - 87,90	-	-
VR673	-	-	-	-	119,86 - 213,15	119,86 - 213,15	58,54 - 213,15	58,54 - 213,15	58,54 - 134,51	58,54 - 102,10	-
VR773	-	-	-	-	148,95 - 233,77	148,95 - 233,77	76,29 - 233,77	49,45 - 233,77	49,45 - 166,50	49,45 - 128,81	49,45 - 85,99

Flangia di accoppiamento col tamburo

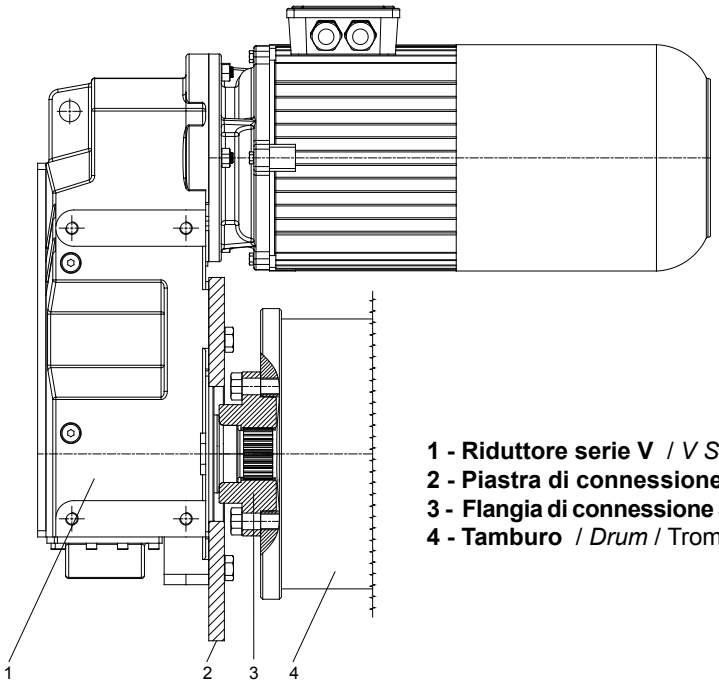
Gli alberi in uscita dei riduttori serie V sono dotati di una linguetta conforme alla norma DIN 5480. Come mostra la figura qui sotto, l'albero in uscita dal riduttore può essere collegato al tamburo con una flangia di accoppiamento che, su richiesta, può essere fornita in versione idonea a ricevere la linguetta DIN 5480 di cui è dotato l'albero. Le dimensioni di queste flange sono riportate nelle tabelle dimensionali.

Drum Connection Flange

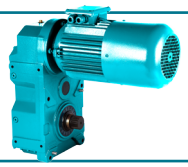
V series gearboxes output shafts are equipped with spline according to DIN 5480 standard. As shown in the following drawing the connection between the gearbox output shaft and the drum can be established by drum connection flange. It is possible to order this optional connection flange suitable to output shaft with spline according to DIN 5480. The dimensions of these flanges are shown in the dimension pages.

Trommelflansch

V Serie Getriebemotoren haben am Ausgang Keilwelle nach DIN 5480. Verbindung von Getriebeausgangswelle mit Trommel durch Trommelflansch wurde auf dem unteren Abbildung dargestellt. Diese auswählbare Verbindungsflansch geeignet zur Keilwelle nach DIN 5480 kann von uns bestellt werden. Die Abmessungen von diesem Flansch kann von der Abmessungsseiten abgelesen werden.



1 - Riduttore serie V / *V Series Gearbox* / V Serie Getriebe
2 - Piastra di connessione / *Connection Plate* / Verbindungsplatte
3 - Flangia di connessione al tamburo / *Drum Connection Flange* / Trommelflansch
4 - Tamburo / *Drum* / Trommel



Informazioni generali
General Information
Einführung

I riduttori per apparecchi di sollevamento indistriali possono essere selezionati utilizzando il fattore di servizio o il sistema di classificazione degli apparecchi di sollevamento secondo le norme ISO 4301 / 1 (FEM 9.511 / 86). Per scegliere i riduttori serie V, progettati appositamente per essere utilizzati sugli apparecchi di sollevamento, si raccomanda l'utilizzo delle classificazioni ISO (FEM) illustrate a pagina 13. Il valore del fattore di servizio per una specifica classe di apparecchi di sollevamento è indicato nella tabella comparativa a pagina 15.

Gearboxes for crane industry can be selected either using the industrial service factor or ISO 4301 / 1 (FEM 9.511 / 86) standards crane classification system. It is recommended to use ISO (FEM) classifications explained on page 13 for choosing V series gearboxes, which are specifically designed for the crane industry. The service factor value for a specific crane class is shown in the comparison table on page 15.

Getriebe für Kran und Hebezeuge kann entweder mit Betriebsfaktor oder mit Kranklasse nach ISO 4301-1 (FEM 9.511/86) ausgelegt werden. Verwendung von ISO-Gruppierung (FEM), erklärt auf der Seite 13, wird empfohlen bei der Auswahl von V Serie Getrieben. Betriebsfaktor für eine bestimmte Kranklasse kann von der Vergleichstabelle auf der Seite 15 abgelesen werden.

Fattore di servizio

Il fattore di servizio (fs) è un coefficiente di sicurezza che tiene conto delle diverse condizioni di lavoro della macchina azionata dal riduttore. In presenza di carichi uniformi per 8 ore di funzionamento al giorno e fino a 100 avviamenti all'ora si utilizza il fattore "fs=1".

Il fattore di servizio dipende da:

- **Tempo di funzionamento**
- **Natura del carico**
- **Frequenza di avviamento**
- **Tipo di azionamento**
- **Altre considerazioni**

Per stabilire quale sia il giusto fattore di servizio per la propria macchina:
1. Determinare il tempo di funzionamento della macchina che viene azionata dal riduttore.
2. Selezionare il tipo di carico della macchina che viene azionata

- **U - Carichi uniformi**
- **M - Carichi moderati**
- **H - Carichi con forti urti**

3. Determinare la frequenza di avviamento
4. Dopo aver determinato i fattori di cui sopra, si può facilmente ricavare il fattore di servizio dalla tabella qui sotto.

Service Factor

Service Factor (fs) is a safety coefficient, which takes into account the different operating conditions of the driven machine." fs=1" is used for uniform loads 8 hours working per day and up to 100 starts per hour.

Service factor depends on:

- *Operating time*
- *Nature of load*
- *Start-up frequency*
- *Driver type*
- *Other considerations*

For the right selection of the needed service factor for your machine;
1. Determine the driven machine operation time .
2. Select the driven machine load type

- *U - Uniform loads*
- *M - Moderate loads*
- *H - Heavy shock loads*

3. Determine start-up frequency
4. After determining the above mentioned factors, the service factor can be easily selected from the table given bellow.

Betriebsfaktor

Der Betriebsfaktor (fs) ist ein faktor für die Getriebe, damit sie unter den Betriebsbedingungen sicher arbeiten. ''fs =1'' steht für gleichförmige Belastung, 8 Studen pro Tag und bis zu 100 Schaltungen pro Stunde.

Betriebsfaktor ist abhängig von:

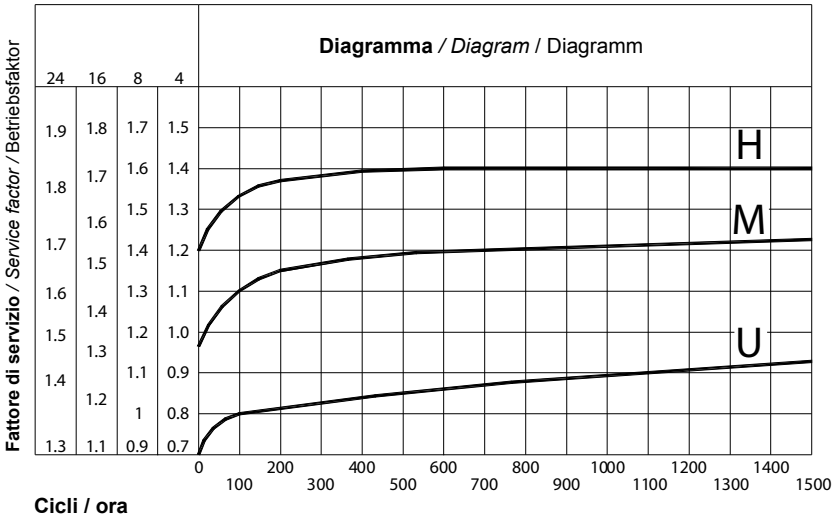
- Betriebsdauer
- Belastungsart
- Schalthäufigkeit
- Antriebsart
- Andere Faktoren

Um die richtigen Betriebsfaktor festzulegen;
1. Betriebsdauer der angetriebenen Maschine bestimmen.
2. Belastungsart der angetriebenen Maschine auswählen.

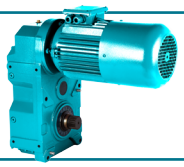
- U - Gleichförmige Belastung
- M - Ungleichförmige Belastung
- H - Stark Ungleichförmige Belastung

3. Schalhäufigkeit bestimmen.
4. Nach Bestimmen der oben angegebenen Werte, können die Betriebsfaktoren von der unten stehenden Tabelle entnommen werden.

Tempo di funzionamento ore / giorno
Operating Time hour / day
Laufzeit Std. / Tag



Cicli / ora
Cucle / Hour
Schaltungen / Std.



Classificazione apparecchi di sollevamento ISO 4301 / 1 (FEM 9.511 / 86)

Per determinare la classe di utilizzo di un apparecchio di sollevamento, occorre calcolare il tempo di utilizzo giornaliero medio in ore. Essendo noti la corsa del gancio dell'apparecchio di sollevamento, il numero di cicli per ora, il tempo di lavoro al giorno e la velocità di sollevamento, si può calcolare il tempo di utilizzo giornaliero medio applicando la formula seguente.

$$t = \frac{2 \times H \times n \times T}{60 \times V_h}$$

H: Corsa del gancio [m]

n: Numero di cicli per ora

T: Ore di lavoro al giorno

V_h: Velocità di sollev. [m/min.]

Dopo aver calcolato il tempo di utilizzo giornaliero medio, si può stabilire il tempo massimo di utilizzo totale in ore moltiplicando il tempo di utilizzo giornaliero medio per il numero dei giorni lavorativi in un anno e per il numero di anni di servizio previsti. Sono previste 10 classi di utilizzo, presentate nella tabella qui sotto, in funzione del tempo di utilizzo totale.

Crane Classifications ISO 4301 / 1 (FEM 9.511 / 86)

For determining the utilization class of a crane, it is necessary to calculate the average daily utilization time in hours. It is possible to calculate the average daily utilization time using the following formula if the crane hook path, number of cycles per hour, working time per day and lifting speed are known.

$$t = \frac{2 \times H \times n \times T}{60 \times V_h}$$

H: *Hook path [m]*

n: *Number of cycles per hour*

T: *Working hours per day*

V_h: *Lifting speed [m/min]*

After calculating the average daily utilization time, it is possible to determine the maximum total use time in hours multiplying the average daily utilization time by the number of working days per year and the number of years of expected service. There are 10 utilization classes according to the total use time, which are shown in the table below.

Kranklassen ISO 4301-1 (FEM 9.511/86)

Bei der Bestimmung der Laufzeitklasse von Kran soll durchschnittliche Laufzeit pro Tag in Stunden festgestellt werden. Man kann die durchschnittliche Laufzeit pro Tag mit Hilfe von unten angegebener Gleichung berechnen. Dabei braucht man Hakenweg, Anzahl von Startzyklen pro Stunde, Betriebsstunde pro Tag und Hubgeschwindigkeit zu wissen.

$$t = \frac{2 \times H \times n \times T}{60 \times V_h}$$

H: Hakenweg [m]

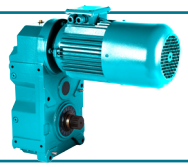
n: Anzahl von Startzyklen pro Stunde

T: Betriebsstunde pro Tag

V_h: Hubgeschwindigkeit [m/min]

Nachdem man durchschnittliche Laufzeit pro Tag berechnet hat, kann maximale Gesamtlaufzeit in Stunde festgestellt werden, indem man durchschnittliche Laufzeit, Anzahl von Betriebstagen pro Jahr und Jahren von erwartetem Lebensdauer multipliziert. Es gibt 10 Laufzeitklassen entsprechend zu Gesamtlaufzeit, die von der unteren Tabelle abgelesen werden kann.

Classe di utilizzo *Class of Utilization* Laufzeitklasse	**Tempo di utilizzo [ore]** *Total Duration of Use [hour]* Gesamtlaufzeit [Stunde]
T_0	200
T_1	400
T_2	800
T_3	1600
T_4	3200
T_5	6300
T_6	12500
T_7	25000
T_8	50000
T_9	100000



Occorre poi determinare lo stato di carico dell'apparecchio di sollevamento. Il fattore di spettro di carico K_m si può calcolare utilizzando la formula seguente.

$$K_m = \sum_{i=1....n} \left[\frac{t_i}{t_T} \left(\frac{P_i}{P_{\max}} \right)^3 \right]$$

t_i: **Tempo di utilizzo medio ai singoli livelli di carico.**

t_T: **Totale di tutti i tempi singoli a tutti i livelli di carico**

P_i: **Valori di carico singoli**

$P_{\max}$: **Valore di carico massimo**

n: **Numero totale di livelli di carico singoli**

$$K_m = \frac{t_1}{t_T}\left(\frac{P_1}{P_{\max}}\right)^3 + \frac{t_2}{t_T}\left(\frac{P_2}{P_{\max}}\right)^3 + .. + \frac{t_n}{t_T}\left(\frac{P_n}{P_{\max}}\right)^3$$

Il fattore nominale di spettro di carico per l'apparecchio di sollevamento viene poi definito abbinando il fattore di spettro di carico calcolato al valore nominale più simile (per eccesso) di K_m riportato sulla tabella seguente

Secondly we have to determine the state of loading of the crane. We can calculate load spectrum factor K_m with below written formula.

$$K_m = \sum_{i=1....n} \left[\frac{t_i}{t_T} \left(\frac{P_i}{P_{\max}} \right)^3 \right]$$

t_i: *Average duration of use at the individual load levels.*

t_T: *Total of all the individual durations at all load levels*

P_i: *Individual loading magnitudes*

$P_{\max}$: *Greatest loading magnitude*

n: *Total number of individual load levels*

$$K_m = \frac{t_1}{t_T}\left(\frac{P_1}{P_{\max}}\right)^3 + \frac{t_2}{t_T}\left(\frac{P_2}{P_{\max}}\right)^3 + .. + \frac{t_n}{t_T}\left(\frac{P_n}{P_{\max}}\right)^3$$

The nominal load spectrum factor for the crane is then established by matching the calculated load spectrum factor to the closest (higher) nominal value of K_m given at below table

Zweitens soll Lastkollekiv von Kran bestimmt werden. Wir können Lastkollektiffaktor K_m mit unterer Gleichung berechnen.

$$K_m = \sum_{i=1....n} \left[\frac{t_i}{t_T} \left(\frac{P_i}{P_{\max}} \right)^3 \right]$$

t_i: Durchschnittliche Laufzeit bei verschiedene Belastungsstufen

t_T: Alle Laufzeiten zusammen bei allen Belastungsstufen

P_i: Amplituden von jeweiliger Belastung

$P_{\max}$: Größte Amplitude der Belastung

n: Anzahl von verschiedene Belastungs-stufen

$$K_m = \frac{t_1}{t_T}\left(\frac{P_1}{P_{\max}}\right)^3 + \frac{t_2}{t_T}\left(\frac{P_2}{P_{\max}}\right)^3 + .. + \frac{t_n}{t_T}\left(\frac{P_n}{P_{\max}}\right)^3$$

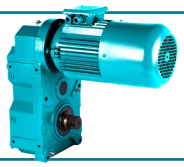
Der Lastkollektivfaktor K_m wird mittels Vergleich zwischen berechneter und angegebene Werte nach unterer Tabelle beschlossen.

Stato di carico *State of Loading* Belastungsstufen	K_m	
L1 - LIGHT *L1 - LIGHT* L1 - LEICHT	**0,125**	**Apparecchi che movimentano prevalentemente carichi ridotti e molto raramente carichi massimi.** *Cranes subjected very rarely to the maximum load and, normally, to light loads.* Kräne,die ausnahmsweise der Höchstbeanspruchung und laufend weit geringeren Beanspruchungen unterzogen werden.
L2 - MODERATO *L2 - MODERATE* L2 - MITTEL	**0,25**	**Apparecchi che movimentano abbastanza frequentemente carichi massimi ma normalmente carichi moderati.** *Cranes subjected fairly frequently to the maximum load but, normally, to rather moderate loads.* Kräne,die ungefähr während gleicher Zeitfristen schwachen, mittleren und Höchsten Beanspruchungen unterzogen werden.
L3 - PESANTE *L3 - HEAVY* *L3 - SCHWER*	**0,50**	**Apparecchi che movimentano frequentemente carichi massimi e normalmente carichi pesanti.** *Cranes subjected frequently to the maximum load and, normally, to loads of heavy magnitude.* Kräne,die hauptsächlich Beanspruchungen in der Nähe der Höchstbeanspruchung unterzogen werden.
L4 - MOLTO PESANTE *L4 - VERY HEAVY* L4 - SEHR SCHWER	**1,00**	**Apparecchi che movimentano regolarmente carichi prossimi al valore del carico massimo.** *Cranes subjected regularly to the maximum load.* Kräne,die regelmäßig mit Höchstbeanspruchung unterzogen werden.

Dopo aver stabilito la classe di utilizzo e lo stato di carico, con riferimento alla tabella a pagina seguente si può determinare la classificazione ISO (FEM) di un apparecchio di sollevamento. La classe dei riduttori, per essere adeguata, deve essere identica o superiore a quella dell'apparecchio di sollevamento. Le classi ISO (FEM) per peso e rimandi specifici dei nostri riduttori serie V sono riportate nelle tabelle prestazionali.
La classificazione degli apparecchi di sollevamento indicata nelle tabelle prestazionali non riguarda nessun altro componente dell'apparecchio di sollevamento se non i riduttori.

Having determined the class of utilization and the state of loading, the ISO (FEM) classification of a crane can be determined from the table at next page. Suitable gearboxes class has to be same or higher then the class of the crane. You can see the ISO (FEM) classes at specific tones and falls of our V series gearboxes at performance tables. ***Crane classes which are given on the performance tables do not cover other crane equipments except gearboxes.***

Nach der Bestimmung der Laufzeitklasse und Lastkollektiv kann der ISO (FEM) -Gruppierung eines Krans aus der Tabelle auf der nächsten Seite bestimmt werden. Geeignetes Getriebe muss gleiche oder höhere Kranklasse haben. Sie können die ISO (FEM) -Klassen bei bestimmter Belastung und Einscherung des V-Serie Getriebes auf die Leistungstabellen finden.
Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



Stato di carico *State of Loading* Belastungsstufen	K_m	**Classificazione degli apparecchi di sollevamento (ISO 4301 / 1 (FEM 9.511 / 86))** *Crane Classes (ISO 4301 / 1 (FEM 9.511 / 86))* Kranklassen (ISO 4301 / 1 (FEM 9.511 / 86))									
		T_0	**T_1**	**T_2**	**T_3**	**T_4**	**T_5**	**T_6**	**T_7**	**T_8**	**T_9**
L1 - LEGGERO *L1 - LIGHT* L1 - LEICHT	**0,125**			M1 (1Dm)	M2 (1Cm)	M3 (1Bm)	M4 (1Am)	M5 (2m)	M6 (3m)	M7 (4m)	M8 (5m)
L2 - MODERATO *L2 - MODERATE* L2 - MITTEL	**0,25**		M1 (1Dm)	M2 (1Cm)	M3 (1Bm)	M4 (1Am)	M5 (2m)	M6 (3m)	M7 (4m)	M8 (5m)	
L3 - PESANTE *L3 - HEAVY* L3 - SCHWER	**0,50**	M1 (1Dm)	M2 (1Cm)	M3 (1Bm)	M4 (1Am)	M5 (2m)	M6 (3m)	M7 (4m)	M8 (5m)		
L4 - MOLTO PESANTE *L4 - VERY HEAVY* L4 - SEHR SCHWER	**1,00**	M2 (1Cm)	M3 (1Bm)	M4 (1Am)	M5 (2m)	M6 (3m)	M7 (4m)	M8 (5m)			

Classificazione degli apparecchi di sollevamento - Tabella dei fattori di servizio industriali

I valori della potenza nominale dei nostri riduttori serie V per la condizione "fs=1" sono indicati nelle tabelle prestazionali. Con l'aiuto della tabella comparativa seguente e delle tabelle prestazionali dei riduttori serie V si può determinare il fattore di servizio richiesto per una specifica classe di apparecchi di sollevamento e la potenza massima in ingresso al motore.

Crane Classes - Industrial Service Factor Table

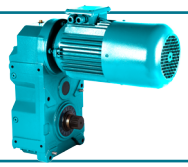
The nominal powers of our V series gearboxes for "fs=1" condition are shown on the performance tables. With the help of the following comparison table and V series performance tables it is possible to determine the required service factor for a specific crane class and maximum input motor power.

Kranklassen - Tabelle von industriellen Betriebsfaktor

Sie können Nennleistungen unserer V-Serie Getriebe für "fs=1" auf der Leistungstabellen finden. Mit Hilfe der folgenden Vergleichstabelle und V-Serie Leistungstabellen kann erforderlicher Betriebsfaktor für eine bestimmte Kranklasse und maximale Motoreingangsleistung bestimmt werden.

Stato di carico *State of Loading* Belastungsstufen	K_m	**Fattore di servizio** *Service Factors* Betriebsfaktoren									
		T_0	**T_1**	**T_2**	**T_3**	**T_4**	**T_5**	**T_6**	**T_7**	**T_8**	**T_9**
L1 - LEGGERO *L1 - LIGHT* L1 - LEICHT	**0,125**			0,8	0,8	0,8	0,8	0,8	0,9	1,1	1,4
L2 - MODERATO *L2 - MODERATE* L2 - MITTEL	**0,25**		0,8	0,8	0,8	0,8	0,8	0,9	1,1	1,4	
L3 - PESANTE *L3 - HEAVY* L3 - SCHWER	**0,50**	0,8	0,8	0,8	0,8	0,8	0,9	1,1	1,4		
L4 - MOLTO PESANTE *L4 - VERY HEAVY* L4 - SEHR SCHWER	**1,00**	0,8	0,8	0,8	0,8	0,9	1,1	1,4			

ISO (FEM)	**M1 (1Dm)**	**M2 (1Cm)**	**M3 (1Bm)**	**M4 (1Am)**	**M5 (2m)**	**M6 (3m)**	**M7 (4m)**	**M8 (5m)**
fs	0,8	0,8	0,8	0,8	0,8	0,9	1,1	1,4



Come utilizzare le tabelle prestazionali e la classificazione degli apparecchi di sollevamento - Tabella dei fattori di servizio industriali per la scelta del riduttore

Dovendo scegliere un riduttore adatto a un apparecchio di sollevamento il cui tonnellaggio e diametro di tamburo non figurano nelle tabelle prestazionali occorre prima calcolare la coppia richiesta e la velocità di rotazione in uscita dal riduttore applicando le formule seguenti.
Coppia:

$$M_2 = \frac{L \times 9{,}81 \times (D_T/2000)}{k \times \eta_S}$$

M_2: **Coppia in uscita richiesta [Nm]**

L: **Carico [kg]**

D_T: **Diametro tamburo [mm]**

k: **Rimandi**

η_S: **Rendimento della disposizione dei passaggi del cavo**

Rendimento della disposizione dei passaggi del cavo: Il rendimento totale si calcola applicando la formula seguente.

$$\eta_S = \eta_F \times \eta_A^z \times \eta_T$$

η_S: **Rendimento totale della disposizione dei passaggi del cavo**

η_F: **Rendimento totale delle pulegge ad esclusione delle pulegge folli**

η_A: **Rendimento della singola puleggia folle**

η_T: **Rendimento del tamburo principale**

z: **Numero di pulegge folli**

η_R **è il rendimento della singola puleggia, ad esclusione delle pulegge folli. Generalmente gli apparecchi di sollevamento non hanno pulegge folli, quindi** z **può essere considerato pari a zero. In assenza di informazioni riguardo** η_T **del tamburo principale e al rendimento delle pulegge, per entrambi si può considerare il valore 0,98. Il rendimento totale delle pulegge** η_F **ad esclusione delle pulegge folli si può calcolare applicando la formula seguente.**

$$\eta_F = \frac{1}{k} \times \frac{1-\eta_R^k}{1-\eta_R}$$

η_R: **0,98**

k: **Rimandi**

I valori relativi al rendimento calcolati approssimativamente per alcuni numeri di rimandi applicando le formule che precedono sono riportati nella tabella a pagina seguente.

How to Use Performance Tables and Crane Classes - Industrial Service Factor Table for Selection of Gearbox

If you want to choose a gearbox for a crane that's tonnage and drum diameter is not at our performance tables, first you have to calculate required output torque and output speed of gearbox by using below written formulas.

Torque:

$$M_2 = \frac{L \times 9{,}81 \times (D_T/2000)}{k \times \eta_S}$$

M_2: *Required output torque [Nm]*

L: *Load [kg]*

D_T: *Drum diameter [mm]*

k: *Falls*

η_S: *Rope reeving arrangement efficiency*

Rope reeving arrangement efficiency : *Total efficiency is calculated by using below formula.*

$$\eta_S = \eta_F \times \eta_A^z \times \eta_T$$

η_S: *Total rope reeving arrangement efficiency*

η_F: *Total efficiency of the pulleys except idle pulleys*

η_A: *One idle pulleys efficiency*

η_T: *Main drum efficiency*

z: *Number of idle pulleys*

η_R *is one pulley's efficiency except idle pulleys. At cranes usually there is no idle pulleys, so* z *can be considered as zero. If there is no information about* η_T *main drum efficiency and pulley efficiency both can be considered as 0,98.* η_F *total pulley efficiency except idle pulleys can be calculated by using below formula.*

$$\eta_F = \frac{1}{k} \times \frac{1-\eta_R^k}{1-\eta_R}$$

η_R: *0,98*

k: *Falls*

Efficiency values; calculated approximately for some number of falls by using above written formulas can be read from the table at next page.

Verwendung von Leistungstabellen und Kranklasse-Betriebsfaktor-Vergleichstabelle für Getriebeauswahl

Wenn Sie ein Getriebe für einen Kran, dessen Tonnage und Trommeldurchmesser nicht auf unserem Katalog steht, wählen wollen, müssen Sie zunächst erforderliche Drehmoment und Abtriebsdrehzahl des Getriebes mit unten geschrieben Formeln berechnen.
Drehmoment:

$$M_2 = \frac{L \times 9{,}81 \times (D_T/2000)}{k \times \eta_S}$$

M_2: Erforderliches Abtriebsmoment [Nm]

L: Last [kg]

D_T: Trommeldurchmesser [mm]

k: Einscherung

η_S: Wirkungsgrad von Anordnung der Einscherung

Wirkungsgrad von Anordnung der Einscherung: Gesamtwirkungsgrad wird berechnet durch folgende Gleichung.

$$\eta_S = \eta_F \times \eta_A^z \times \eta_T$$

η_S: Wirkungsgrad von Anordnung der Einscherung

η_F: Gesamteffizienz von Rollen außer Losrollen

η_A: Effizienz von einer Losrolle

η_T: Effizienz von Haupttrommel

z: Anzahl von Losrollen

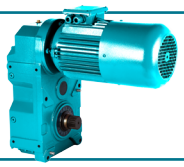
η_R ist die Effizienz einer Rolle außer Losrollen. Bei Kräne gibt es gewöhnlich keine Losrollen, deswegen z kann als null angenommen werden. Wenn es keine Information übet η_T gibt, kann Trommelwirkungsgrad und Rollenwirkungsgrad als 0.98 angenommen werden. η_F Gesamtrollenwirkungsgrad außer Losrollen kann mit folgender Gleichung bestimmt werden.

$$\eta_F = \frac{1}{k} \times \frac{1-\eta_R^k}{1-\eta_R}$$

η_R: 0,98

k: Einscherung

Von der Tabelle auf der nächsten Seite kann für bestimmte Einscherungen ungefährer Gesatwirkungsgrad von Anordnung der Einscherung abgelesen werden.



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Falls [k]	Rendimento totale della disposizione dei passaggi del cavo[η_s]
1	0,98
2	0,97
4	0,95
6	0,93
8	0,91

Velocità di rotazione: La velocità di rotazione in uscita dal riduttore necessaria per determinare la velocità di sollevamento con uno specifico diametro del tamburo può essere calcolata applicando la seguente formula.

$$n_2 = \frac{V_h \times k}{\pi \times (D_T / 1000)}$$

n_2: **Velocità di rotazione in uscita [giri/min.]**

V_h: **Velocità di sollevamento [m/min.]**

D_T: **Diametro tamburo [mm]**

k: **Rimandi**

Potenza in entrata: Dopo aver stabilito la coppia richiesta e la velocità di rotazione in uscita si può calcolare la potenza in entrata al riduttore applicando la seguente formula.

$$P_1 = \frac{M_2 \times n_2}{9550 \times \eta}$$

P_1: **Potenza in entrata [kW]**

M_2: **Coppia in uscita [Nm]**

n_2: **Velocità di rotazione in uscita [giri/min.]**

η: **Rendimento riduttore, circa 0,94**

Scelta del riduttore: Dopo aver calcolato la potenza in entrata richiesta, si può scegliere il riduttore adeguato in base alle tabelle prestazionali della serie V. La velocità di rotazione in uscita dal riduttore selezionata deve essere simile alla velocità di rotazione in uscita calcolata e, alla velocità di rotazione in uscita selezionata, la potenza nominale del riduttore, per la classe di apparecchio di sollevamento richiesta, deve essere uguale o superiore alla potenza in entrata richiesta. I valori della potenza nominale dei riduttori serie V per la condizione "fs=1" sono indicati nelle tabelle prestazionali. Per la classe di apparecchi di sollevamento richiesta occorre trovare il fattore di servizio richiesto nella Classificazione degli apparecchi di sollevamento - tabella comparativa dei fattori di servizio a pagina 15 e selezionare il riduttore adeguato.

Falls [k]	*Total Rope Reeving Arrangament Efficiency* [η_s]
1	0,98
2	0,97
4	0,95
6	0,93
8	0,91

***Speed :** The gearbox output speed required for lifting speed with a specific drum diameter can be calculated using the following formula.*

$$n_2 = \frac{V_h \times k}{\pi \times (D_T / 1000)}$$

n_2: *Output speed [rpm]*

V_h: *Lifting speed [m/min]*

D_T: *Drum diameter [mm]*

k: *Falls*

***Input power :** After determining the required output torque and output speed it is possible to calculate the gearbox input power by using the following formula.*

$$P_1 = \frac{M_2 \times n_2}{9550 \times \eta}$$

P_1: *Input power [kW]*

M_2: *Output torque [Nm]*

n_2: *Output speed [rpm]*

η: *Gearbox efficiency, approximately 0.94*

***Gearbox selection:** After calculating the required input power, it is possible to select the suitable gearbox from the V series performance tables. The selected gearboxes output speed has to be close to the calculated output speed and at the selected output speed the nominal power of the gearbox, at the required crane class, has to be equal or greater than the required input power. The nominal powers of V series gearboxes for "fs=1" condition are indicated in the performance tables. For the required crane class it is necessary to find the required service factor from the crane classes - service factor comparison table on page 15 and select the suitable gearbox.*

Einscherung [k]	Gesamtwirkungsgrad von der Anordnung der Einscherung [η_s]
1	0,98
2	0,97
4	0,95
6	0,93
8	0,91

Geschwindigkeit : Erforderliche Abtriebsdrehzahl des Getriebes für notwendige Hubgeschwindigkeit mit vorgegebenem Trommeldruchmesser kann mit Hilfe von unterer Gleichung berechnet werden.

$$n_2 = \frac{V_h \times k}{\pi \times (D_T / 1000)}$$

n_2: Abtriebsdrehzahl [U/min]

V_h: Hubgeschwindigkeit [m/min]

D_T: Trommeldurchmesser [mm]

k: Einscherung

Antriebsleistung : Nach der Bestimmung von erforderliche Abtriebsdrehmoment und Abtriebsdrehzahl man kann Antriebsleistung des Getriebes mit dem unteren Formel berechnen.

$$P_1 = \frac{M_2 \times n_2}{9550 \times \eta}$$

P_1: Antriebsleistung [kW]

M_2: Abtriebsdrehmoment [Nm]

n_2: Abtriebsdrehzahl [U/min]

η: Wirkungsgrad des Getriebes, ungefähr 0.94

Auswahl des Getriebes : Nach der Berechnung von erforderlichen Antriebsleistung, man kann geeignetes Getriebe von der Leistungstabelle der V-Serie auswählen. Abtriebsdrehzahl des ausgewählten Getriebes soll nah an berechnete Abtriebsdrehzahl liegen. Bei dieser Drehzahl soll die Nennleistung des Getriebes mit erforderlicher Kranklasse gleich oder groß von erforderlicher Antriebsleistung sein. Die Nennleistungen von V Serie Getrieben für "fs=1" -Bedingung kann von der Leistungstabellen abgelesen werden. Für erforderliche Kranklasse soll entsprechender Betriebsfaktor von der Vergleichstabelle für Kranklasse und Betriebsfaktor auf der Seite 15 gefunden werden und geeignetes Getriebe ausgewählt werden.

Calcolo del carico radiale

I carichi radiali per i sistemi di sollevamento possono essere calcolati in modo approssimativo applicando la formula seguente; il calcolo è valido per la condizione in cui il cavo dell'apparecchio di sollevamento è quanto più vicino all'albero in uscita dal riduttore. I riduttori sono stati verificati mediante calcoli e non è necessario quindi ripetere il controllo. Qualora sia necessario calcolare il carico radiale per un tonnellaggio e un numero di rimandi specifici non riportati nelle tabelle prestazionali, lo si può fare applicando la formula seguente.

$$f_q = \frac{L \times 9,81 \times 1000}{k}$$

f_q: **Carico radiale [N]**

L: **Carico [tonnellate]**

k: **Rimandi**

Radial Load Calculation

Radial loads for crane systems can be calculated approximately with the following formula, for the condition that the crane rope is closest to the output shaft of the gearbox. The gearboxes were checked by calculation and it is not necessary to check them again. If it is necessary to calculate radial load for a specific tons and falls, which are not on the performance tables it is possible to use the following formula.

$$f_q = \frac{L \times 9,81 \times 1000}{k}$$

f_q: *Radial load [N]*

L: *Load [tons]*

k: *Falls*

Berechnung der Querkräfte

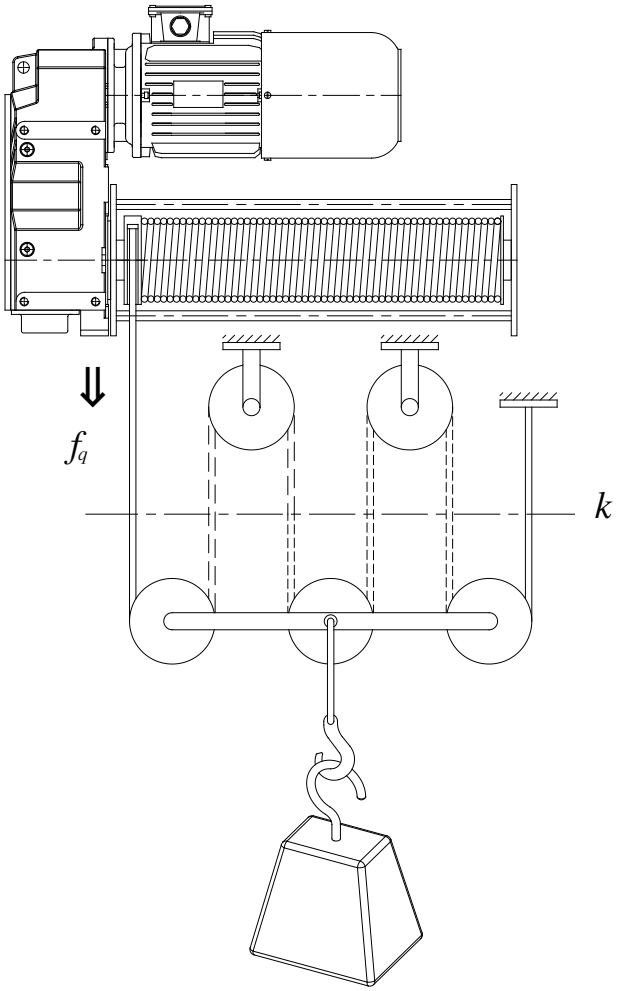
Querkräfte für Krananlagen kann annäherungsweise mit unter geschrieben Formel für die schlechteste Bedingung, dass das Kranseil zu der Ausgangswelle des Getriebes am nächsten ist, berechnet werden. Getriebe wurden durch Berechnung überprüft, und es ist nicht notwendig, noch einmal überzuprüfen. Wenn Sie Querkraft für eine bestimmte Last und Einscherung, die nicht auf die Leistungtabellen stehen, berechnen wollen, dann soll unten geschriebene Gleichung verwendet werden.

$$f_q = \frac{L \times 9,81 \times 1000}{k}$$

f_q: Querkraft [N]

L: Belastung [Tonnen]

k: Einscherung



Senso di rotazione

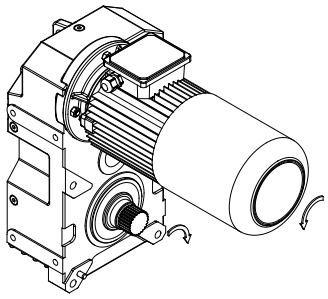
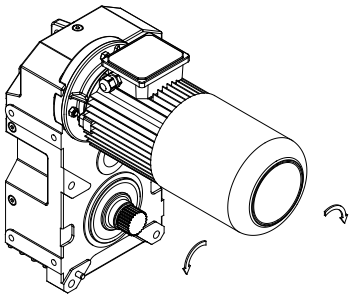
Il senso di rotazione dei riduttori serie V è definito come segue.

Direction of Rotation

V Series direction of rotation of are defined as follows.

Getriebedrehrichtungen

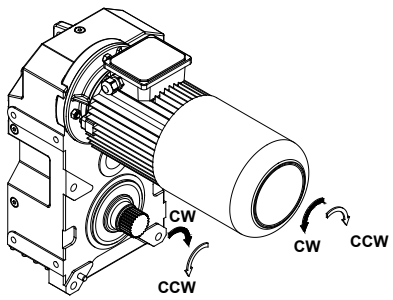
Die Drehrichtungen für V Serie Getriebe sind wie folgt definiert.

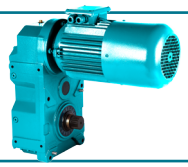
	3 Stadi / *3 Stages* / 3 stufig
Senso orario *Clockwise* im Uhrzeigersinn **CW**	
Senso antiorario Counter Clockwise gegen Uhrzeigersinn **CCW**	

Il senso di rotazione dell'albero in uscita in funzione del senso di rotazione dell'albero in entrata è come segue:

Output shaft rotation directions according to the input shaft rotation directions are as follows.

Drehrichtungen der Abtriebswelle im Abhängigkeit von der Antriebswellen sind wie folgt;

3 Stadi / *3 Stages* / 3 stufig




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Tutorial di scelta del riduttore

Questa procedura mostra come determinare la classe dell'apparecchio di sollevamento e scegliere il riduttore adeguato sulla base delle tabelle prestazionali; le caratteristiche tecniche sono quelle indicate qui sotto.

Carico: *10 tonnellate*

Velocità di sollevamento: *4 m/m*

Rimandi: *4/1*

Diametro del tamburo: *270 mm*

Stato di carico: *L3 (Pesante)* (Apparecchi che movimentano frequentemente carichi massimi e normalmente carichi pesanti)

Corsa del gancio: *6 metri*

Numero di cicli per ora: *8*

Tempo di funzionamento al giorno: *8 ore*

Numero di giorni di lavoro all'anno: *260 giorni*

Numero di anni di servizio previsti: *6 anni*

1) Il tempo di utilizzo giornaliero medio si calcola applicando la formula seguente.

H: **Corsa del gancio [m]**

n: **Numero di cicli per ora**

T: **Ore di lavoro al giorno**

V_h: **Velocità di sollevamento [m/min.]**

$$t = \frac{2 \times H \times n \times T}{60 \times V_h}$$

$$t = \frac{2 \times 6 \times 8 \times 8}{60 \times 4}$$

$$t = 3.2 \text{ hours}$$

2) La durata totale di utilizzo si calcola moltiplicando il tempo di utilizzo giornaliero medio, il numero dei giorni di lavoro all'anno e il numero degli anni di servizio previsti.

$$3.2 \times 260 \times 6 = 4992 \text{ hours}$$

3) La classe di utilizzo dell'apparecchio di sollevamento, T_5 (4992 > 3200), è indicata nella tabella delle classi di utilizzo a pagina 13.

4) La classe di carico dell'apparecchio di sollevamento è *L3 (Pesante)* e la classe di utilizzo indicata è T_5 . La classe dell'apparecchio di sollevamento, *M6 (3m),* è indicata nella tabella delle classi degli apparecchi di sollevamento a pagina 15.

Gearbox Selection Tutorial

This procedure shows how to determine the crane class and choose the suitable gearbox from the performance tables; its technical properties are written below.

*Load : **10 tons***

*Lifting speed : **4 m/m***

*Falls : **4/1***

*Drum diameter : **270 mm***

*Load state : **L3 (Heavy)** (Crane subjected frequently to the maximum load and, normally, to heavy loads)*

*Hook path : **6 meters***

*Number of cycles per hour : **8***

*Working time per day : **8 hours***

*Number of working days per year : **260 days***

*Number of years of expected service : **6 years***

1) The average daily utilization time is calculated using the following formula.

H: *Hook path [m]*

n: *Number of cycles per hour*

T: *Working hours per day*

V_h: *Lifting speed [m/min]*

$$t = \frac{2 \times H \times n \times T}{60 \times V_h}$$

$$t = \frac{2 \times 6 \times 8 \times 8}{60 \times 4}$$

$$t = 3.2 \text{ hours}$$

2) The total duration of use is calculated by multiplying the average daily utilization time, the number of working days per year and the number of years of expected service.

$$3.2 \times 260 \times 6 = 4992 \text{ hours}$$

3) The utilization class of the crane as T_5 (4992 > 3200) is shown on the utilization class table on page 13.

*4) The crane load class is **L3 (Heavy)** and the utilization class shown is T_5 . The crane class as **M6 (3m)** is shown on the crane classes table on page 15.*

Getriebeauswahl Beispiel

Nach den unteren Angaben wird erstens Kranklasse des Getriebes bestimmt und dann aus der Leistungstabellen wird geeignetes Getriebe ausgewählt.

Belastung: **10 Tonnen**

Hubgeschwindigkeit: **4 m/min.**

Einscherung: **4/1**

Trommeldurchmesser: **270 mm**

Beladungszustand: **L3(Schwer)** (*Kräne,die hauptsächlich Beanspruchungen in der Nähe der Höchstbeanspruchung unterzogen werden)*

Hakenweg: **6 Meter**

Anzahl von Starten pro Stunde: **8**

Betriebsstunden pro Tag: **8 Stunden**

Anzahl von Betriebstagen pro Jahr: **260 Tagen**

Jahren von erwartetem Lebensdauer: **6 Jahren**

1) Man berechnet "t" durchschnittliche Laufzeit pro Tag mit Hilfe von folgender Gleichung

H: Hakenweg [m]

n: Anzahl von Starten pro Stunde

T: Betriebsstunden pro Tag

V_h: Hubgeschwindigkeit [m/min]

$$t = \frac{2 \times H \times n \times T}{60 \times V_h}$$

$$t = \frac{2 \times 6 \times 8 \times 8}{60 \times 4}$$

$$t = 3.2 \text{ Stunden}$$

2) Mit der Multiplikation von durchschnittliche Laufzeit pro Tag, Anzahl von Betriebstagen pro Jahr und Jahren von erwartetem Lebensdauer erhält man Gesamtlaufzeit.

$$3.2 \times 260 \times 6 = 4992 \text{ Stunden}$$

3) Laufzeitklasse von Kran wird von der Tabelle der Laufzeitklasse auf der Seite 13 als T_5 (4992>3200) abgelesen.

4) Belastungsstufe von Kran ist **L3 (Schwer)** und die Laufzeitklasse wurde als T_5 festgestellt. Kranklasse wird von der Tabelle auf der Seite 15 als **M6 (3m)** abgelesen.

5) Il carico dell'apparecchio di sollevamento è *10 tonnellate*, *4/1* rimandi e il diametro del tamburo è *270 mm*. La velocità di sollevamento richiesta è *4 m/min*. *10 tonnellate* di carico e *4/1* rimandi sono indicati nelle tabelle prestazionali presenti in questo catalogo (pagina 148). L'apparecchio scelto è il modello *VR573.1K-132M/4-L10,* la cui classe è *M6 (3m)* con *270 mm* di diametro del tamburo e *3,8 m/min* di velocità di sollevamento.

*5) The crane load is **10 tons**, **4/1** falls and the drum diameter is **270 mm**. The required lifting speed is **4 m/min**. **10 tonnes** load and **4/1** falls are shown on the catalogs performance tables (page 148). The unit chosen is **VR573.1K-132M/4-L10** which class is **M6 (3m)** with **270 mm** drum diameter and **3.8 m/min** lifting speed.*

5) Die Belastung von Kran ist **10 Tonnen**, Einscherung ist **4/1** und Trommeldurchmesser ist **270 mm**. Erforderliche Hubgeschwindigkeit beträgt **4 m/min**. Wir gehen zur Seite der Leistungstabelle mit **10 Tonnen** Last und **4/1** Einscherung (Seite 148). Wir wählen ***VR573.1K-132M/4-L10*** mit Kranklasse **M6 (3m)**, Trommeldurchmesser **270 mm** und Hubgeschwindigkeit **3.8 m/min**.

6) *VR573.1K-132M/4-L10*
i (rapporto) = *77,63*
Potenza motore / velocità di rotazione = *7,5 kW / 1400 giri/min.*
Freno = *100 Nm, con ventola, 230 V*
Coppia trasmessa = *3742 Nm*
Velocità di rotazione = *18 giri/min.*
Carico radiale ammesso = *83834 N*

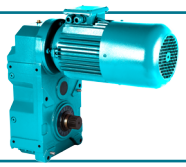
*6) **VR573.1K-132M/4-L10***
*i (Ratio) = **77.63***
*Motor power / speed = **7.5 kW / 1400 rpm***
*Brake = **100 Nm, with fan, 230 V***
*Output torque = **3742 Nm***
*Speed = **18 rpm***
*Permissible radial load = **83834 N***

6)**VR573.1K-132M/4-L10**
i (Übersetzung) = **77,63**
Motor -leistung / -drehzahl = **7,5 kW / 1400 U/min**
Bremse = **100 Nm, mit Lüfter, 230 V**
Abtriebsdrehmoment = **3742 Nm**
Abtriebsdrehzahl = **18 U/min**
Zulässige Querkraft = **83834 N**

7) I carichi radiali generati sugli alberi in uscita dai nostri riduttori validi per i nostri valori standard di tonnellaggio e il numero standard di rimandi sono riportati nelle tabelle prestazionali. Per le classi di apparecchi di sollevamento indicate, i carichi radiali ammessi sono superiori ai carichi radiali generati. Per i nostri valori standard di tonnellaggio e il numero standard di rimandi non è necessario fare una nuova verifica dei carichi radiali.

7) The occurring radial loads at the output shafts of our gearboxes for our standard tonnages and falls are shown on the performance tables. For the stated crane classes, the permissible radial loads are greater then the occurring radial loads. For our standard tonnages and falls it is not necessary to check the radial loads again.

7) Entstandene Querkräfte an der Abtriebswelle des Getriebes werden entsprechend zu Belastung und Einscherung überprüft . Für die genannte Kranklassen soll zulässige Querkräfte größer als entstandene Querkräfte sein. Eine nochmalige Überprüfung von Querkräfte ist nicht erforderlich.



Tutorial di scelta del riduttore - 2

Questo tutorial mostra come scegliere un riduttore adeguato per un apparecchio di sollevamento, da utilizzarsi con valori di tonnellaggio e di diametro del tamburo non riportati nelle nostre tabelle prestazionali standard.

Carico: *15 tonnellate*

Velocità di sollevamento: *4,5 m/min*

Rimandi: *4/1*

Diametro del tamburo: *295 mm*

Classe di apparecchio di sollevamento richiesta: *M6 (3m)*

1) La coppia trasmessa dal riduttore si calcola con la formula seguente.

$$M_2 = \frac{L \times 9,81 \times (D_T/2000)}{k \times \eta_S}$$

M_2: **Coppia in uscita richiesta [Nm]**

L: **Carico [kg]**

D_T: **Diametro tamburo [mm]**

k: **Rimandi**

η_S: **Rendimento della disposizione dei passaggi del cavo**

Il rendimento totale della disposizione dei passaggi del cavo di 0,95 per 4/1 rimandi è indicato nella tabella a pagina 17.

$$M_2 = \frac{15000 \times 9,81 \times (295/2000)}{4 \times 0,95}$$

$$M_2 = 5712\ Nm$$

2) La velocità di rotazione in uscita dal riduttore si calcola applicando la formula seguente.

$$n_2 = \frac{V_h \times k}{\pi \times (D_T/1000)}$$

n_2: **Velocità di rotazione in uscita [giri/min.]**

V_h: **Velocità di sollevamento [m/min.]**

D_T: **Diametro tamburo [mm]**

$$n_2 = \frac{4,5 \times 4}{\pi \times (295/1000)}$$

$$n_2 = 19,4\ rpm$$

Gearbox Selection Tutorial - 2

We are going to select a suitable gearbox for a crane, which will be used with tonnage and drum diameter thats are not on our standard performance tables.

Load : ***15 tones***

Lifting speed : ***4,5 m/min***

Falls : ***4/1***

Drum diameter : ***295 mm***

Required crane class : ***M6 (3m)***

1) We calculate output torque of gearbox with below written formula.

$$M_2 = \frac{L \times 9,81 \times (D_T/2000)}{k \times \eta_S}$$

M_2: *Required output torque [Nm]*

L: *Load [kg]*

D_T: *Drum diameter [mm]*

k: *Falls*

η_S: *Rope reeving arrangement efficiency*

We read total rope reeving arrangement efficiency of 0,95 for 4/1 falls from the table at page 17.

$$M_2 = \frac{15000 \times 9,81 \times (295/2000)}{4 \times 0,95}$$

$$M_2 = 5712\ Nm$$

2) We calculate the output speed of the gearbox with below written formula.

$$n_2 = \frac{V_h \times k}{\pi \times (D_T/1000)}$$

n_2: *Output speed [rpm]*

V_h: *Lifting speed [m/min]*

D_T: *Drum diameter [mm]*

$$n_2 = \frac{4,5 \times 4}{\pi \times (295/1000)}$$

$$n_2 = 19,4\ rpm$$

Getriebeauswahl Beispiel 2

Wir werden ein Getriebe für ein Kran, der mit einer Belastung und Trommeldurchmesser, deren Werten nicht auf unserem Katalog gefunden werden kann, auswählen.

Belastung: **15 Tonnen**

Hubgeschwindigkeit: **4.5 m/min**

Einscherung: **4/1**

Trommeldurchmesser: **295 mm**

Erforderliche Kranklasse: **M6 (3m)**

1)Wir berechnen Abtriebsdrehmoment mit Hilfe von folgender Gleichung

$$M_2 = \frac{L \times 9,81 \times (D_T/2000)}{k \times \eta_S}$$

M_2: Abtriebsdrehmoment [Nm]

L: Last [kg]

D_T: Trommeldruchmesser [mm]

k: Einscherung

η_S: Wirkungsgrad von Anordnung der Einscherung

Wir haben festgestellt, dass Wirkungsgrad von Anordnung der Einscherung von der Tabelle auf der Seite 17 für 4/1 Einscherung 0.95 beträgt.

$$M_2 = \frac{15000 \times 9,81 \times (295/2000)}{4 \times 0,95}$$

$$M_2 = 5712\ Nm$$

2) Wir können Abtriebsdrehzahl von Getriebe mit unterer Gleichung berechnen.

$$n_2 = \frac{V_h \times k}{\pi \times (D_T/1000)}$$

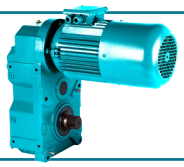
n_2: Abtriebsdrehzahl [U/min]

V_h: Hubgeschwindigkeit [m/min]

D_T: Trommeldurchmesser [mm]

$$n_2 = \frac{4,5 \times 4}{\pi \times (295/1000)}$$

$$n_2 = 19,4\ U/\min$$



3) La velocità di rotazione in entrata al riduttore si calcola applicando la formula seguente.

$$P_1 = \frac{M_2 \times n_2}{9550 \times \eta}$$

P_1:**Potenza in entrata [kW]**

M_2:**Coppia in uscita [Nm]**

n_2:**Velocità di rotazione in uscita [giri/min.]**

η:**Rendimento riduttore,circa 0,94**

$$P_1 = \frac{5712 \times 19,4}{9550 \times 0,94}$$

$$P_1 = 12,34\ kW$$

4) Sulla base delle tabelle prestazionali (pagina 207) la scelta ricade sul riduttore *VR673...* con una velocità di rotazione in uscita di *18 giri/min.*, una velocità di rotazione in entrata di *1400 giri/min.*, una potenza nominale in entrata di *17,58 kW* con una classe di apparecchio di sollevamento *M6 (3m)*.

5) La scelta ricade sul riduttore tipo *VR673.1K-160L/4-L20* con una potenza del motore di *15 kW*, che è sufficiente per la potenza in entrata richiesta così come calcolata.

6) *VR673.1K-160L/4-L20*
i = *76,17*
Potenza motore = *15 kW*
Freno = *200 Nm, con ventola, 230 V*
Velocità di rotazione in uscita = *18 giri/min.*
Carico radiale ammesso = *61142 N* per apparecchio di sollevamento di classe M8 (5m).

7) Il carico radiale all'uscita dell'albero si calcola applicando la formula seguente.

$$f_q = \frac{L \times 9,81 \times 1000}{k}$$

$$f_q = \frac{15 \times 9,81 \times 1000}{4}$$

$$f_q = 36788\ N$$

I carichi radiali ammessi per apparecchi di sollevamento di classe M8 (5m) sono indicati nelle tabelle prestazionali. Il carico radiale generato è inferiore al carico radiale ammesso per apparecchi di sollevamento di classe M8 (5m). Il riduttore sarà molto più sicuro per una classe M6 (3m). Se il carico radiale calcolato è superiore al carico radiale ammesso indicato nelle tabelle prestazionali vi invitiamo a consultarci per il calcolo del carico radiale ammesso per la classe di apparecchio di sollevamento inferiore.

3) We calculate required input power of the gearbox with the below written formula.

$$P_1 = \frac{M_2 \times n_2}{9550 \times \eta}$$

P_1: *Input power [kW]*

M_2: *Output torque [Nm]*

n_2: *Output speed [rpm]*

η: *Gearbox efficiency, approximately 0,94*

$$P_1 = \frac{5712 \times 19,4}{9550 \times 0,94}$$

$$P_1 = 12,34\ kW$$

*4) We choose **VR673...** which's output speed is **18 rpm**, with **1400 rpm** input speed, nominal input power is **17.58 kW** at **M6 (3m)** crane class from performance tables (page 207).*

*5) We choose **VR673.1K-160L/4-L20** type gearbox with **15 kW** motor power which is sufficient for calculated required input power.*

*6) **VR673.1K-160L/4-L20***
*i = **76,17***
*Motor power = **15 kW***
*Brake = **200 Nm, with fan, 230 V***
*Output speed = **18 rpm***
*Permissible radial load = **61142 N** for M8 (5m) crane class.*

7) We calculate overhung load at output shaft of gearbox with below written formula.

$$f_q = \frac{L \times 9,81 \times 1000}{k}$$

$$f_q = \frac{15 \times 9,81 \times 1000}{4}$$

$$f_q = 36788\ N$$

You can find permissible overhung loads for M8 (5m) crane class at peformance tables. Occurred overhung load is smaller then the permissible overhung load for M8 (5m) crane class. Gearbox is going to be much more safer at M6 (3m) class. If your calculated overhung load is higher then the permissible overhung load at performance tables, please consult us for the calculation of permissible overhung load at your crane's smaller class.

3) Wir berechnen notwendige Eingangsleistung von Getriebe mit dem unteren Formel:

$$P_1 = \frac{M_2 \times n_2}{9550 \times \eta}$$

P_1: Eingangsleistung

M_2: Ausgangsdrehmoment

n_2: Abtriebsdrehzahl

η: Wirkungsgrad des Getriebes, ungefähr 0.94

$$P_1 = \frac{5712 \times 19,4}{9550 \times 0,94}$$

$$P_1 = 12,34\ kW$$

4) Wir wählen **VR673...** , dessen Abtriebsdrehzahl **18 U/min**, Antriebsdrehzahl **1400 U/min**, Nennleistung am Eingang **17.58 kW** bei **M6 (3m)** Kranklasse nach Leistungstabelle ist (Seite 207).

5) Wir wählen Getriebe **VR673.1K-160L/4-L20** mit **15 kW** Motorleistung, welche genügend für berechneten notwendigen Eingangsleistung ist.

6) **VR673.1K-160L/4-L20**
i = **76,17**
Motorleistung = **15 kW**
Bremse = **200 Nm, mit Lüfter, 230 V**
Abtriebsdrehzahl = **18 rpm**
Zulässige Querkraft = **61142 N** für M8 (5m) Kranklasse.

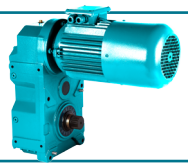
7) Wir berechnen Querkraft am Abtriebswelle der Getriebe mit unten genannten Formeln:

$$f_q = \frac{L \times 9,81 \times 1000}{k}$$

$$f_q = \frac{15 \times 9,81 \times 1000}{4}$$

$$f_q = 36788\ N$$

Zulässige Querkräfte für M8 (5m) Kranklasse kann von Leistungstabellen entnommen werden. Entstandene Querkraft soll kleiner als zulässige Querkraft für M8 (5m) Kranklasse sein. Getriebe wird noch sicherer bei M6 (3m) Kranklasse sein. Wenn berechnete Querkraft höher als zulässige Querkraft ist, bitte für Durchführung einer Berechnung mit uns Kontakt aufnehmen.



Modulo di scelta del riduttore

Classe dell'app. di sollevamento*....ISO (FEM)

M4 (1Am) [ ] **M5** (2m) [ ] **M6** (3m) [ ]
M7 (4m) [ ] **M8** (5m) [ ]

Carico:*

..... tonnellate

Rimandi:*

1/1 [ ] 2/1 [ ] 4/1 [ ] 6/1 [ ] 8/1 [ ]

Diametro del tamburo:*

..... mm

Velocità di sollevamento:*

..... m/m

Azionamento macchina:*

Motore CA [ ]
Motore CA + Inverter [ ]
Motore CC [ ]

Posizione di montaggio:*

M1 [ ] M3 [ ] M5 [ ] M6 [ ]
Altra.....

Potenza motore:

- Nominale.....kW

Alimentazione elettrica:

Monofase in CA [ ] Trifase in CA [ ] CC [ ]
Tensione.....Volt
Frequenza.....Hz

Velocità di rotazione del motore:

- Normale.....giri/min.
- Massima.....giri/min.
- Minima.....giri/min.

Coppia motore:

- Normale.....Nm
- Massima.....Nm
- Minima.....Nm

Termistore:

Sì [ ] No [ ]

Coppia frenante:

..... Nm

Raffreddamento freni:

Con ventola [ ] Senza ventola [ ]

Tensione ai freni:

230V [ ] 24V [ ]

Azionamento manuale:

Sì [ ] No [ ]

Condizioni ambientali:

Normale [ ] Polveroso [ ] Umido [ ]
Corrosivo [ ] Secco [ ]

Altitudine:

<1000 [ ] <2000 [ ] <3000 [ ]
<4000 [ ] <5000 [ ]

Flangia di accoppiamento al tamburo:

Sì [ ] No [ ]

Tipo di accoppiamento albero in uscita:

Diametro dell'elemento di raccordo.....mm
Carico radiale.....N

Caratteristiche albero in uscita:

Standard (DIN 5480) 1K [ ]
Opzionale (DIN 5480) 1L [ ]
Opzionale (DIN 5480) 1M [ ] (Solo VR673)

Classe di protezione motore:

IP55 [ ] IP65 [ ] Antidefl. [ ]
Altra classe IP.....

Luogo di installazione:

Locale chiuso di piccole dimensioni (w<1m/s) [ ]
Locale chiuso (w<3m/s) [ ]
Locali di grandi dimensioni (w>=3m/s) [ ]
All'esterno [ ]

Temperatura ambiente:

Media..... ^{0}C
Massima..... ^{0}C
Minima.....^{0}C

Se la classe dell'apparecchio di sollevamento non è nota:

Ore di funzionamento al giorno:

..... ore

Cicli operativi all'ora

.....

Corsa del gancio:

.....metri

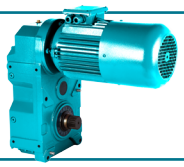
Stato di carico:

Leggero [ ] Moderato [ ] Pesante [ ]
Molto pesante [ ]

Allegati:
Diagramma di carico [ ]
Progetto [ ]
Dimensioni richieste [ ]
Specifiche tecniche [ ]

Note:

* : Campi obbligatori



Gearbox Selection Form

Crane Class* .....**ISO (FEM)**

M4 (1Am) [ ] **M5** (2m) [ ] **M6** (3m) [ ]
M7 (4m) [ ] **M8** (5m) [ ]

Load*:

..... tones

Falls*:

1/1 [ ] 2/1 [ ] 4/1 [ ] 6/1 [ ] 8/1 [ ]

Drum Diameter*:

..... mm

Lifting Speed*:

..... m/m

Driving Machine*:

AC Motor [ ]
AC Motor + Inverter [ ]
DC Motor [ ]

Mounting Position*:

M1 [ ] M3 [ ] M5 [ ] M6 [ ]
Other.....

Motor Power:

-Nominal.....kW

Electrical Supply:

AC-1 Phase [ ] AC-3 Phase [ ] DC [ ]
Voltage.....Volt
Frequency.....Hz

Motor Speed:

-Normal.....rpm
-Maximum.....rpm
-Minimum.....rpm

Motor Torque:

-Normal.....Nm
-Maximum..... Nm
-Minimum.....Nm

Thermistor:

Yes [ ] No [ ]

Brake Torque:

..... Nm

Brake Cooling:

With Fan [ ] Without Fan [ ]

Brake Voltage:

230V [ ] 24V [ ]

Manual Hand Release:

Yes [ ] No [ ]

Ambient Conditions:

Normal [ ] Dusty [ ] Humid [ ]
Corrosive [ ] Dry [ ]

Altitude:

<1000 [ ] <2000 [ ] <3000 [ ]
<4000 [ ] <5000 [ ]

Drum Output Connection Flange:

Yes [ ] No [ ]

Output Shaft Connection Type:

Diameter of connection element.....mm
Radial load.....N

Output Shaft Specification:

Standard (DIN 5480) 1K [ ]
Optional (DIN 5480) 1L [ ]
Optional (DIN 5480) 1M [ ] (Just VR673)

Motor Protection Class:

IP55 [ ] IP65 [ ] Exproof [ ]
Other IP.....

Mounting Place:

Small closed room (w<1m/s) [ ]
Closed room (w<3m/s) [ ]
Big rooms and halls (w>=3m/s) [ ]
Outdoor [ ]

Ambient Temperature:

Average..... ^{0}C
Maximum..... ^{0}C
Minimum.....^{0}C

If the Class of the Crane doesn't Known ;

Operating Hours per Day:

..... hour

Operating Cycles per Hour

.....

Hook Path:

.....meter

State of Loading:

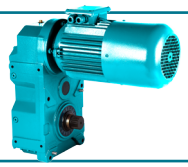
Light [ ] Moderate [ ] Heavy [ ]
Very Heavy [ ]

Attachments:

Load Diagram [ ]
Project [ ]
Required Dimensions [ ]
Technical Specifications [ ]

Notes:

*: Mandatory fields for selection of gearbox.



Formular für Getriebeauswahl

Kranklasse* .....**ISO (FEM)**

M4 (1Am) [ ] **M5** (2m) [ ] **M6** (3m) [ ]
M7 (4m) [ ] **M8** (5m) [ ]

Last:*

..... Tonnen

Einscherung:*

1/1 [ ] 2/1 [ ] 4/1 [ ] 6/1 [ ] 8/1 [ ]

Trommeldurchmesser:*

..... mm

Hubgeschwindigkeit:*

..... m/m

Antriebsmaschine:*

AC Motor [ ]
AC Motor mit Frequenzumrichter [ ]
DC Motor [ ]

Montagepositionen:*

M1 [ ] M3 [ ] M5 [ ] M6 [ ]
Andere.....

Motorleistung:

-Nennleistung.....kW

Motorspannung:

AC-Einphasig [ ] AC-Dreiphasig [ ] DC [ ]
Spannung.....V
Frequenz.....Hz

Motordrehzahl:

-Nenndrehzahl.....U/min
-Maximal.....U/min
-Minimal.....U/min

Motordrehmoment:

-Nenndrehzahl.....Nm
-Maximal.....Nm
-Minimal.....Nm

Thermistorschutz:

Ja [ ] Nein [ ]

Drehmoment der Bremse:

..... Nm

Kühlung von Bremse:

Mit Lüfter [ ] ohne Lüfter [ ]

Bremsenspannung:

230V [ ] 24V [ ]

Handhebel für Bremse:

Ja [ ] Nein [ ]

Umgebungsbedingungen:

Üblich [ ] Staubig [ ] Feucht [ ]
Korrodierend [ ] Trocken [ ]

Höhenlage über Meeresspiegel (m):

<1000 [ ] <2000 [ ] <3000 [ ]
<4000 [ ] <5000 [ ]

Trommelflansch:

Ja [ ] Nein [ ]

Verbindung von Ausgangswelle:

Durchmesser von Anschlusselement.....mm
Querkraft.....N

Ausgangswelle:

Standard (DIN 5480) 1K [ ]
Auswählbar (DIN 5480) 1L [ ]
Auswählbar (DIN 5480) 1M [ ] (Nur für VR673)

Schutzklasse von Motor:

IP55 [ ] IP65 [ ] Ex-Schutz [ ]
IP.....

Betriebsort:

Kleine geschlossene Räume (w<1m/sn [ ]
Geschlossene Räume (w<3m/sn) [ ]
Große Räume und Hallen (w>=3m/sn) [ ]
im Freien [ ]

Umgebungstemperatur:

Mittelwert..... ^{0}C
Maximal..... ^{0}C
Minimal..... ^{0}C

Wenn Kranklasse nicht festgelegt:

Betriebsstunden pro Tag:

..... Stunde

Anzahl von Start-Stop pro Stunde:

.....

Kranhakenhöhe:

.....Meter

Beladungszustand von Getriebe:

Leicht [ ] Mittel [ ] Schwer [ ] Sehr Schwer[ ]

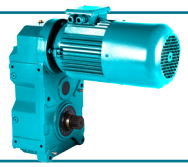
Anhang:

Lastdiagramm [ ]
Projekt [ ]
Geswünschte Hauptdimensionen [ ]
Technische Daten [ ]

Andere Notizen:

*: Pflichtfelder für die Auswahl des Getriebes.

Note / *Notes* / Notizen



Lubrificazione

Affinché il regolatore possa lavorare nelle condizioni migliori e il più a lungo possibile bisogna utilizzare il tipo di lubrificante adeguato e sostituirlo con regolarità.

Quando si sceglie l'olio da utilizzare è importante tener conto di fattori quali la velocità di rotazione, temperatura ambiente, la temperatura dell'olio nel riduttore, condizioni di lavoro e durata che ci si aspetta dal lubrificante. Tutti gli apparecchi vengono riempiti di olio lubrificante prima di essere spediti. Se il riduttore deve essere stoccato in magazzino per lungo tempo o prima di metterlo in funzione, rimuovere il tappo superiore (a seconda della posizione di lavoro) e sostituirlo con il tappo di sfiato supplementare fornito a corredo. Questo evita che si crei sovrappressione nell'apparecchio, con conseguenti perdite di olio.

I lubrificanti per i riduttori standard sono indicati nella tabella a pagina seguente. Verificare sulla targhetta apposta direttamente sul riduttore qual è il tipo di olio da utilizzare per lo specifico riduttore. Se sul modulo di scelta del riduttore non è specificata la posizione di montaggio richiesta, i riduttori di tipo V vengono forniti con posizione di montaggio *M5*. Se la posizione di montaggio è diversa, fare riferimento alla tabella nelle pagine seguenti. Per condizioni di lavoro particolari vi invitiamo a contattarci.

Se il lubrificante è di tipo minerale va sostituito ogni 10.000 ore di servizio, se invece è di tipo sintetico ogni 20.000
ore. In presenza di condizioni di lavoro estremamente gravose (p.es. forti escursioni termiche, alto tasso di umidità) si consiglia di ridurre i tempi tra una sostituzione e l'altra. L'olio minerale e quello sintetico non devono essere mischiati. Quando si procede alla sostituzione dell'olio lubrificante si consiglia di effettuare anche una pulizia completa. La sostituzione dell'olio è bene venga fatta al termine di una fase di lavoro perché, in queste condizioni, l'olio è caldo e le impurità sono in sospensione. La regolare sostituzione dell'olio permette al riduttore di lavorare con risultati migliori e all'olio di defluire facilmente.

Lubrication

To work in perfect condition and ensure gearbox long life, the lubricant must be chosen correctly and changed in time.

When selecting the oil it is important to consider speed, ambient temperature, gear box oil temperature, working conditions and the life required from the lubricant. All units are filled with lubricant before shipping. Before the gearbox is stored for a long time or before starting up, the top plug (according to the working position) must be removed and the extra vent plug must be replaced. This prevents excessive pressure which causes oil leakages.

*The lubricants for standard gear units are given on the table on next page. Please look at the label of your gear unit to check the oil type for filling the gear unit. If the mounting position is not specified on the gearbox selection form, the V type gearboxes are supplied with **M5** mounting position For other mounting positions please refer to the table given on the next pages. For special working conditions please contact us.*

The mineral lubricant should be changed every 10.000 service hours and the synthetic lubricant should be changed every 20.000
working hours. If the operation conditions are very heavy (e.g. high temperature differences, high humidity) shorter intervals between changes are recommended. Mineral and synthetic oils must not be mixed up. When changing the lubricant a complete cleaning is recommended. The oil change should be done after a working period. Because oil in this condition is hot and the impurities are mixed with it. If oil is changed the unit will work with better results and the oil will drain easily.

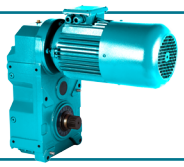
Schmierung

Um eine lange Lebensdauer zu gewährleisten muss der Schmierstoff richtig ausgewählt werden.

Für die richtige Ölauswahl müssen Drehzahl, Umgebugstemparatur, Belastungsart und Lebensdauer des Öls berücksichtigt werden. Die mitgelieferte Entlüftungsschraube ist vor Inbetriebnahme oder längeren Lagern gegen die Einfüllschraube auszutauschen, um einen Überdruck im Getriebe und damit eine Undichtigkeit des Getriebes zu vermeiden. Getriebe und Getriebemotoren sind bei Auslieferung betriebsfertig gefüllt.

Ohne besondere Bestellangaben werden die Getriebe grundsätzlich mit den auf der folgenden Seite in der grau unterlegten Spalte angegebenen Schmierstoffen gefüllt. Bitte im Getriebe verwendetes Öl von dem Namenschild ablesen. Die V Serie wird für Bauform **M5** gefüllt, wenn bei der Bestellung keine Angaben vorgegeben sind. Für andere Bauformen sind die auf der nächsten Seite angegebenen Füllmengen zu beachten.

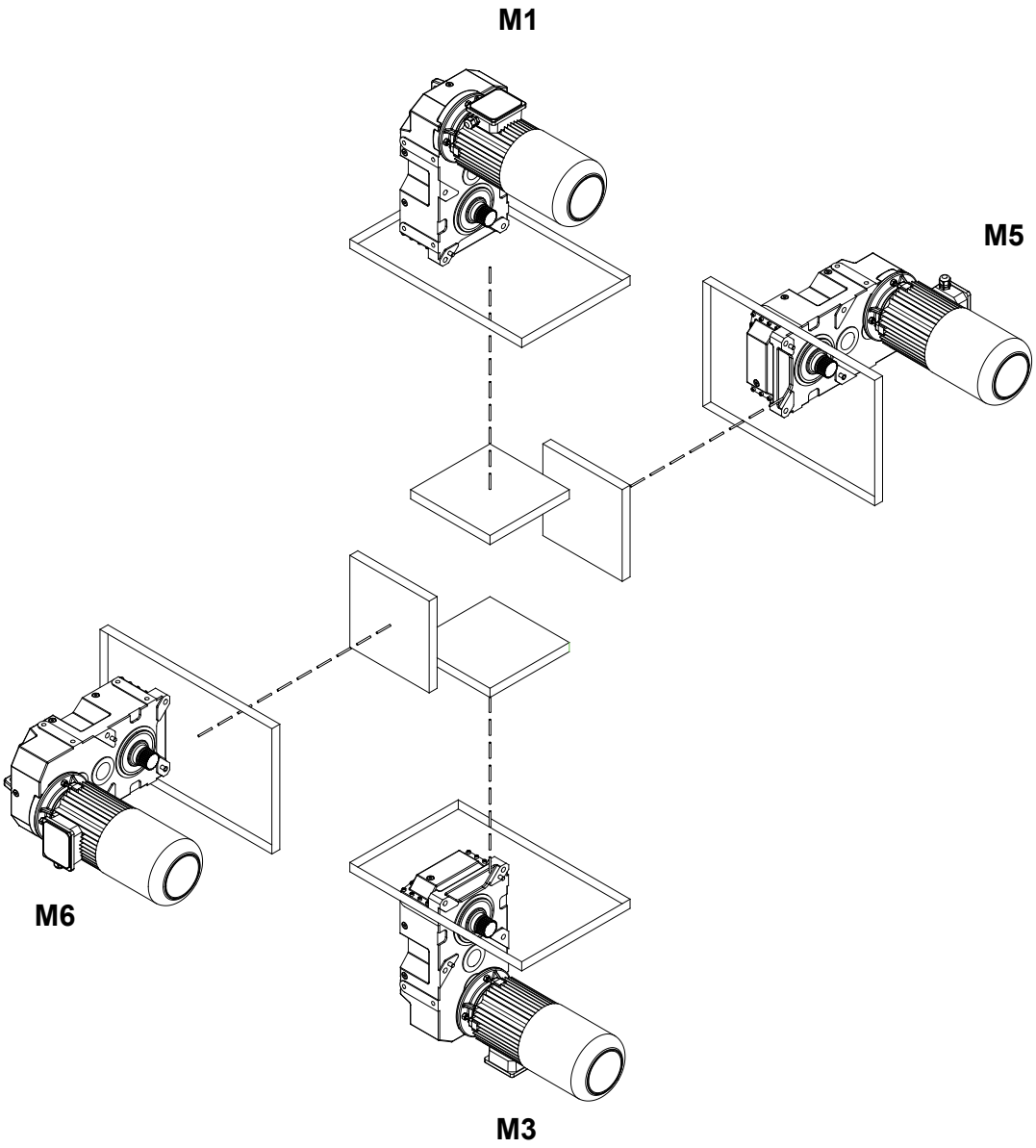
Ein Schmierstoffwechsel sollte alle 10.000 Betriebsstunden durchgeführt werden. Für synthetische Produkte verdoppeln sich diese Fristen. Bei extremen Betriebsbedingungen, z.B. hohe Luftfeuchtigkeit, aggresiver Umgebung und hohen Temparatur-schwankungen sind kürzere Schmierstoffintervalle vorteilhaft. Es ist empfehlenswert, dem Schmierstoffwechsel mit einer gründlichen Reinigung des Getriebes zu verbinden. Synthetische und mineralische Schmierstoffe dürfen nicht miteinander vermischt werden. Das Ablassen des Öls soll unmittelbar nach dem Abschalten erfolgen, solange das Öl noch warm ist. In dieser Zustand ist das Öl mit den Schmutzpartickeln vermischt, so dass eine Entfernung des Altöls eine gute Reinigung benötigt.



Tipi di olio / *Oil Types* / Schmierstoffe

Lubrificante *Lubricant* Art des Schmiers	**DIN 51517-3**	**Temp. ambiente [°C]** *Ambient Temp. [°C]* Umgebungstemp. [°C] / **Lubrificazione per immersione** *Dip Lubrication* Tauchschmier.	**ISO VG**	**Aral**	**Beyond Petroleum**	**Castrol**	**Klüber Lubrication**	**Mobil**	**Shell**	**Total**
Olio minerale *Mineral Oil* Mineralöl	**CLP**	0 ... +50	680	Degol BG 680	Energol GR-XP 680	Alpha SP 680	Klüberoil GEM 1-680 N	Mobilgear XMP 680	Omala 680	Carter EP 680
		-5 ... +45	460	Degol BG 460	Energol GR-XP 460	Alpha SP 460	Klüberoil GEM 1-460 N	Mobilgear XMP 460	Omala F460	Carter EP 460
		-10 ... +40	320	Degol BG 320	Energol GR-XP 320	Alpha SP 320	Klüberoil GEM 1-320 N	Mobilgear XMP 320	Omala F320	Carter EP 320
		-15 ... +30	**220**	**Degol BG 220**	**Energol GR-XP 220**	**Alpha SP 220**	**Klüberoil GEM 1-220 N**	**Mobilgear XMP 220**	**Omala F220**	**Carter EP 220**
		-20 ... +20	150	Degol BG 150	Energol GR-XP 150	Alpha SP 150	Klüberoil GEM 1-150 N	Mobilgear XMP 150	Omala 150	Carter EP 150
		-25... +10	100	Degol BG 100	Energol GR-XP 100	Alpha SP 100	Klüberoil GEM 1-100 N	–	Omala 100	Carter EP 100
Olio sintetico *Synthetic Oil* Synthetisches Öl	**CLP PG**	-10 ... +60	680	Degol GS 680	Energsyn SG-XP 680	–	Klübersynth GH 6 -680	Mobil Glygoyle 680	Tivela S 680	Carter SY 680
		-20 ... +50	460	Degol GS 460	Energsyn SG-XP 460	Aphasyn PG 460	Klübersynth GH 6 -460	Mobil Glygoyle 460	Tivela S 460	Carter SY 460
		-25 ... +40	320	Degol GS 320	Energsyn SG-XP 320	Aphasyn PG 320	Klübersynth GH 6 -320	Mobil Glygoyle 320	Tivela S 320	Carter SY 320
		-30 ...+30	220	Degol GS 220	Energsyn SG-XP 220	Aphasyn PG 220	Klübersynth GH 6 -220	–	Tivela S 220	Carter SY 220
		-35 ... +20	150	Degol GS 150	Energsyn SG-XP 150	Aphasyn PG 150	Klübersynth GH 6 -150	–	Tivela S 150	Carter SY 150
		-40 ... +10	100	–	–	–	Klübersynth GH 6 -100	–	–	–
	CLP HC	-10 ... +60	680	–	–	–	Klübersynth GEM 4-680 N	Mobilgear SHC XMP 680	–	Carter SH 680
		-20 ... +50	460	Degol PAS 460	Enersyn EP-XF 460	Alphasyn T 460	Klübersynth GEM 4-460 N	Mobilgear SHC XMP 460	Omala HD 460	Carter SH 460
		-25 ... +40	320	Degol PAS 320	Enersyn EP-XF 320	Alphasyn T 320	Klübersynth GEM 4-320 N	Mobilgear SHC XMP 320	Omala HD 320	Carter SH 320
		-30 ... +30	220	Degol PAS 220	Enersyn EP-XF 220	Alphasyn T 220	Klübersynth GEM 4-220 N	Mobilgear SHC XMP 220	Omala HD 220	Carter SH 220
		-35 ... +20	150	Degol PAS 150	Enersyn EP-XF 150	Alphasyn T 150	Klübersynth GEM 4-150 N	Mobilgear SHC XMP 150	Omala HD 150	Carter SH 150
		-40 ... +10	100	–	–	–	Klübersynth GEM 4-100 N	–	–	–
Olio alimentare *Food Grade Oil* Lebensmittelöl	**CLP NSF H1**	-15 ... +25	320	–	–	Optileb GT 320	Klüberoil 4 UH1-320 N	Mobil SHC Cibus 320	Cassida Fluid GL-320	Nevastane SL 320
Olio biodegradabile *Biodegradable Oil* Biologisch abbaubares Öl	**CLP E**	-25 ... +40	320	–	–	Tribol BioTop 1418-320	Klübersynth GEM 2-320	–	–	Carter Bio 320
Grasso minerale [temperatura di esercizio -20 .... +120°C] *Mineral Grease [-20 .... +120 Working Temperature °C]* Mineral-Fett [-20 .... +120 Betriebstemperatur °C]				Aralub HL3	Energrease LS 3	Spheerol AP3	Centoplex 2 EP	Mobilux EP 3	Alvania RL3	Multis Complex EP 2
Grasso sintetico [temperatura di esercizio -30 .... +100°C] *Synthetic Grease [-30 .... +100 Working Temperature °C]* Synthetisches Fett [-30 .... +100 Betriebstemperatur °C]				–	Energrease SY 2202	–	Petamo GHY 133 N	Mobiltemp SHC 100	Cassida RLS 2	Multis Complex SHD 220

Posizioni di montaggio riduttori serie V / *V Series Mounting Positions* / V Serie Bauformen

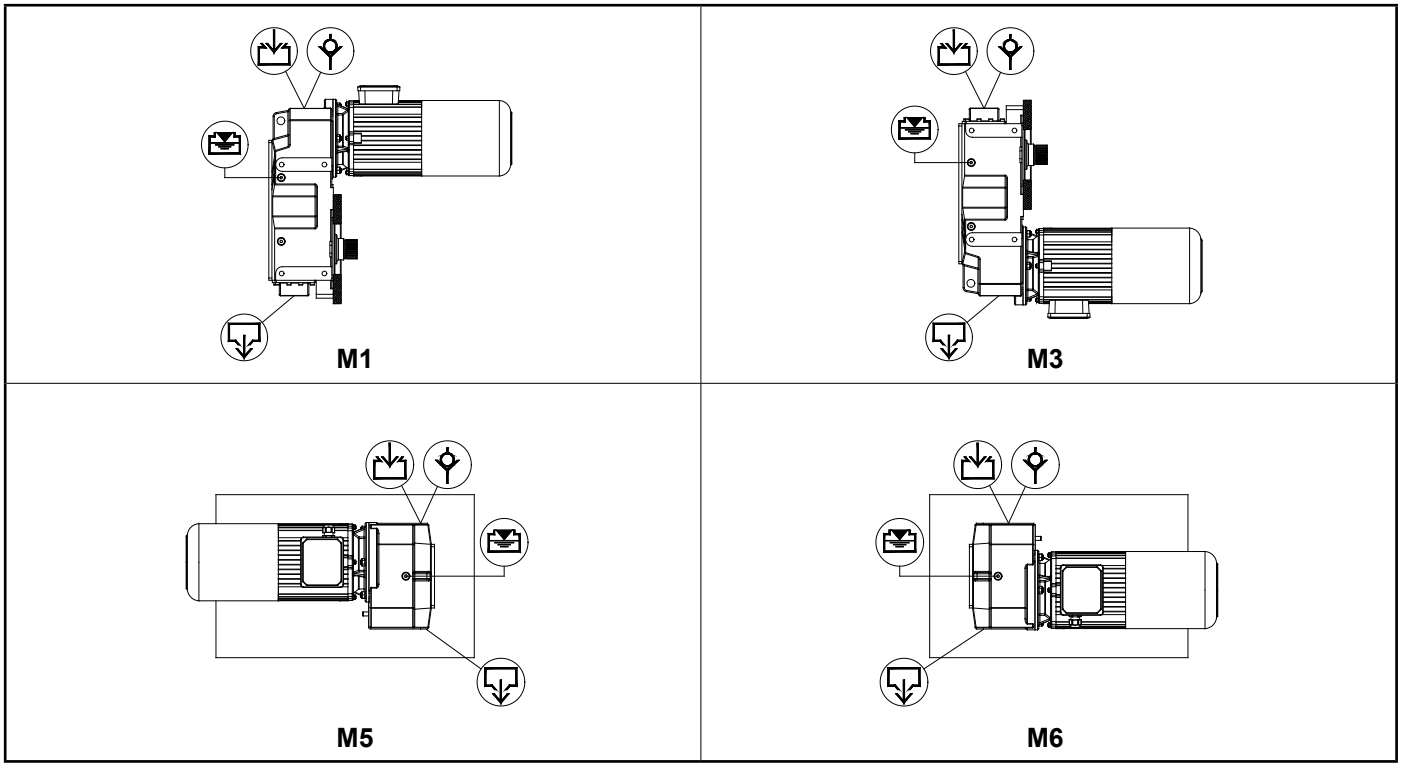


Le posizioni di montaggio M1 a M6 ipotizzate sono raffigurate come riferimento della posizione direzionale del riduttore.

Figured mounting positions of M1 to M6 are determined as reference of directional position of the gearbox.

Dargestellte Montagepositionen M1 bis M6 wurden nach der Stehrichtung von Getriebe bestimmt.

Tappi di livello olio per riduttori serie V
V Series Gearboxes Oil Level Plugs
V Serie Getriebe Ölverschlußschrauben



Quantità di olio (l) / *Oil Quantities (lt)* / *Ölmengen (lt)*

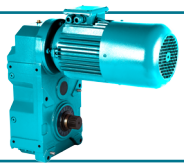
Tipo *Type* Typ	**Quantità di olio (l) per la serie V** *V Series Oil Quantities (lt)* Ölmengen von V Serie (lt)			
	M1	**M3**	**M5**	**M6**
V373	3,3	2,6	2,6	2,5
V473	4,5	4,1	4,3	4,1
V573	9,7	7,9	9,2	9,0
V673	16,3	13,6	16	15,8
V773	30	18	21	20,7

Simboli :
Symbols :
Symbole :

■ : **Tappo di scarico**
: *Drain plug*
: Ölauslass

∇ : **Tappo di riempimento olio e sfiato**
: *Oil Filling and Vent plug*
: Ölfüllung und Entlüftung

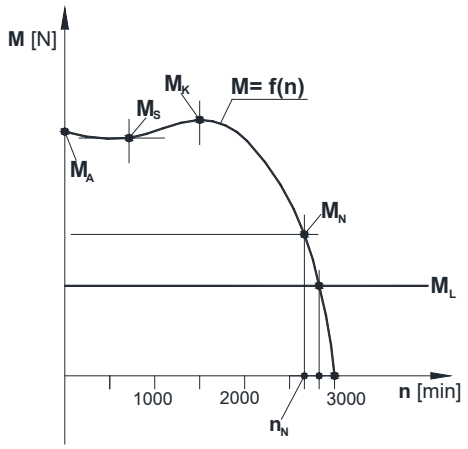
▼ : **Livello olio**
: *Oil level*
: Ölstand



MOTORI
Motori CA
a- Caratteristiche generali:
Grazie alla sua semplicità di costruzione, al fatto che non necessita di manutenzione, alla sua buona affidabilità e al prezzo interessante, il motore trifase a gabbia di scoiattolo è uno dei motori elettrici maggiormente utilizzati. Il comportamento di un motore trifase a gabbia di scoiattolo durante il funzionamento è rappresentato dalla curva caratteristica coppia-velocità. La figura qui sotto ne mostra un esempio.

MOTORS
AC Motors
a- General Specifications:
Due to its simple and maintenance free construction, good reliability and price, the three phase squirrel cage motor is one of the most frequently employed electric motors. The operating behavior of a three phase squirrel cage motor is described by the torque-speed characteristic curve. An example is shown below.

MOTOREN
Drehstrommotoren:
a- Allgemeine Eigenschaften
Wegen die wartungsarme und leichte Konstruktion, hohe Sicherheit bei Nutzung und günstige Preise werden die asynchrone Drehstrommotoren am meisten benutzt. Motoranlaufverhalten wird mit Moment-Drehzahl-Kurve charakterisiert. Ein Beispiel ist unten angegeben.



M: **Coppia di avviamento** / *Start-up torque* / Anlaufmoment

M: **Coppia d'insellamento** / *Pull-up torque* / Anziehungsmoment

M: **Coppia massima** / *Pull -out torque* / Bremsungsmoment

M: **Coppia nominale motore** / *Motor rated torque* / Treibmoment

M: **Coppia di carico** / *Load torque* / Lastmoment

Il motore segue questa coppia caratteristica finché non raggiunte il punto di stabilizzazione ogni volta che viene acceso. Il punto di funzionamento è il punto in cui la curva della velocità istantanea interseca la linea della coppia di carico M.
Il campo magnetico all'interno dello statore ruota a una velocità sincrona n. Lo sfasamento di ciascun polo è di 120° nei motori trifase.

$$n_s = 120 \times \frac{f}{p_S}$$

f : frequenza di alimentazione [Hz]

p : numero dei poli dello statore

Attivato dal campo magnetico alternato presente al suo interno, il rotore inizia a ruotare nella stessa direzione seguita dal flusso nello statore e cerca di mettersi alla pari del flusso rotante. Il rotore non raggiunge mai il campo statorico. Il rotore avanza a una velocità inferiore a quella del campo statorico. Questa velocità è nota come velocità base n.
Una diminuzione del carico porterà il rotore ad accelerare o a ridurre lo scorrimento. Lo scorrimento è definito come segue:

$$s = \frac{n_s - n_N}{n_s} \times 100$$

A seconda dello scorrimento, i valori nominali del motore elettrico possono modificarsi come segue:

Scorrimento s	**:± 20%**
Corrente di avviamento	**:± 20%**
Coppia di avviamento	**:-15 /+25%**
Momento di inerzia	**:± 10%**
Rendimento (fino a 37 kW)	**:-0,15 (1-η)**

The motor follows this torque characteristics up to its stable operating point every time, when it is switched on. Operating point is that point, where the moment speed curve intersects with load torque M line.
The magnetic field in the stator rotates at a synchronous speed n. Phase shift of each pole is 120° at 3 phase motors.

$$n_s = 120 \times \frac{f}{p_S}$$

f : supply frequency [Hz]

p : number of stator poles

Because of the alternating magnetic field in the rotor, the rotor starts working in the same direction of the stator flux and tries to catch up with the rotating flux. The rotor never catches up the stator field. The rotor runs slower than the speed of the stator field. This speed is known as the base speed n.
A decrease in load will cause the rotor to speed up or decrease slip. The slip is defined as follows:

$$s = \frac{n_s - n_N}{n_s} \times 100$$

According to the slip, the nominal values of the electric motor can alter as follows:

Slip s	*:± 20%*
Start-up current	*:± 20%*
Start-up torque	*:-15 /+25 %*
Moment of inertia	*:± 10%*
Efficiency (up to 37 kW)	*:-0,15 (1-η)*

Der Drehstrommotor läuft diese Kurve bei jeder Anlauf, bis dem stabilen Betriebspunkt erreicht wird. Betriebspunkt ist der Zustand, bei dem die Moment-Drehzahl-Kurve sich mit der Linie von erforderlichen Moment M schneidet.
Magnetisches Feld von Stator dreht sich mit synchroner Geschwindigkeit n. Phasenverschiebung von den Polen ist 120° bei 3 phasigen Drehstrommotoren.

$$n_s = 120 \times \frac{f}{p_S}$$

f : Frequenz der Spannung [Hz]

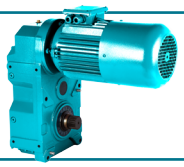
p : Anzahl der Polen von Stator

Durch das magnetische Wechselfeld in den Rotor, beginnt der Rotor sich in der gleichen Richtung des Statorflusses zu drehen und versucht diese Bewegung aufzuholen. Der Rotor kann den Statorfeld nie aufholen. Die Rotorgeschwindigkeit nennt man Basisgeschwindigkeit n. Eine Abnahme der Belastung bewirkt, dass der Rotor sich beschleunigt und der Schlupf sich verringert. Der Schlupf wird wie folgt definiert:

$$s = \frac{n_s - n_N}{n_s} \times 100$$

Für die nominale Werte der Drehstrommotoren sind folgende Abweichungen zulässig:

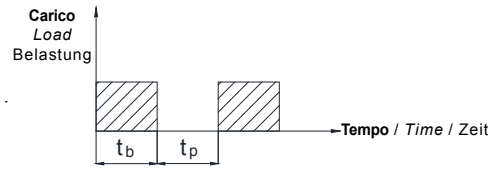
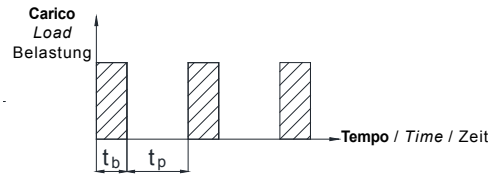
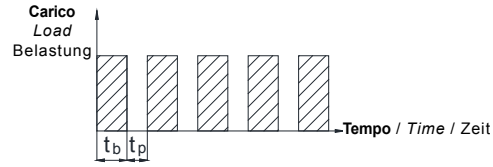
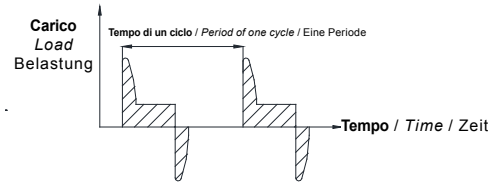
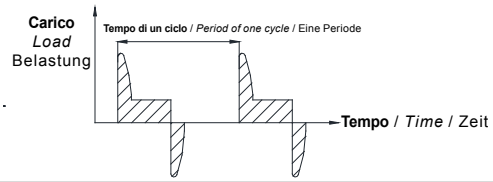
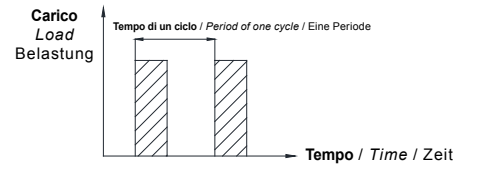
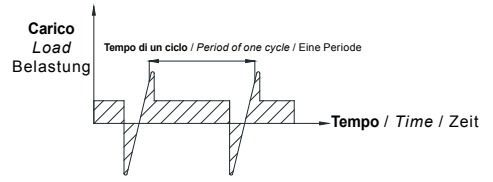
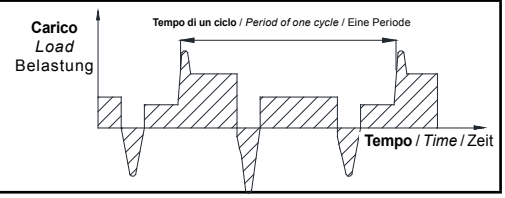
Schlumpf s	:± 20%
Anzugsstrom	:± 20%
Anzugsmomet	:-15 /+25 %
Massentägheitsmoment	:± 10%
Wirkungsgrad (bis 37 kW)	:-0,15 (1-η)

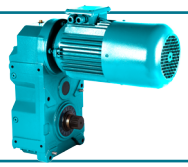


b- Modalità di funzionamento
Tutti i motori presentati in questo catalogo sono stati predisposti per operare in servizio S1 (servizio continuativo). Altri tipi di servizio sono riportati nella tabella seguente.

b-Modes of Operation
All motors of the catalogue have been arranged for duty S1 (continuous operation). Other duty types are given on the following table.

b-Betriebsarten
Die im Katalog angeführten Motoren sind für Betriebsart S1 (Dauerbetrieb) ausgelegt. Andere Betriebsarten sind unten angegeben.

Servizio *Operation* Betriebsarten	**Spiegazione** *Explanation* Erläuterung	**Diagramma di carico** *Load Chart* Lastverläufe
S1	**Servizio continuativo con carico costante** *Continuous operation under constant load* Dauerbetrieb mit konstanter Belastung	
S2	**Servizio di durata limitata con carico costante** *Short-time duty under constant load* Kurzbetrieb mit konstanter Belastung	
S3	**Servizio periodico senza avviamenti che influiscono sulla temperatura** *Periodic duty without influence of start-up on temperature* Aussetzbetrieb ohne Einfluß des Anlaufens auf die Temparatur	
S4	**Servizio periodico con avviamenti che influiscono sulla temperatura** *Periodic duty with influence of start up on temperature* Aussetzbetrieb mit Einfluß des Anlaufes auf die Temparatur	
S5	**Servizio periodico con avviamenti e frenature che influiscono sulla temperatura** *Periodic duty with influence of startup and braking on temp.* Aussetzbetrieb mit Einfluß des Anlaufens / Bremsung auf die Temp.	
S6	**Servizio continuativo con carico intermittente** *Continuous operation with intermittent loading* Durchlaufbetrieb mit Ausetzungsbelastung	
S7	**Servizio continuativo con carico intermittente e frenature** *Continuous operation with intermittent loading and breaking* Ununterbrochener Betrieb mit Anlauf und Bremsung	
S8	**Servizio di tipo continuativo con variazioni correlate di carico e velocità** *Continuous operation duty type with related load-speed changes* Ununterbrochener periodischer Betrieb mit Drehzahländerung	



c- Classe di protezione:
Brevini Power Transmission S.p.A. utilizza di serie motori elettrici con classe di protezione IP54 (IEC 34-5). Se sono richieste classi di protezione diverse, vi invitiamo a contattarci.

d- Classe di isolamento:
Brevini Power Transmission S.p.A. utilizza di serie motori elettrici con classe di isolamento F (IEC 317-8). Su richiesta, è disponibile anche la classe di isolamento H.

e- Classi di rendimento:
Il metodo per misurare il rendimento dei motori asincroni trifase in bassa tensione è stato modificato con l'entrata in vigore della nuova norma IEC 60034-2-1:2007. La nuova classe IE si applica per i motori CA di potenza compresa tra 0,75 e 375 kW. Diversamente da quanto avviene per la classe EFF, la classe IE può essere utilizzata per motori CA a 6 poli. Riportiamo qui sotto la tabella delle classi di rendimento. Le direttive per le classi di rendimento possono essere diverse da un Paese all'altro. Vi invitiamo a contattarci se avete bisogno di maggiori informazioni. I requisiti concernenti il rendimento dei motori che sono completamente integrati in un prodotto (p.es. riduttore, pompa) e il cui rendimento energetico non può quindi essere identificato separatamente non si applicano in Europa.

c- Protection Class:
Brevini Power Transmission S.p.A. *uses IP54 (IEC 34-5) protection class electric motors for standard products. If different kind of protection class is requested please contact us.*

d- Insulation Class:
Brevini Power Transmission S.p.A. *uses F (IEC 317-8) insulation class electric motors for standard products. H insolation class is available upon request.*

e- Efficiency Classes:
The method for measuring the low voltage three-phase asynchronous motors efficiency was revised with the new IEC 60034-2-1:2007 standard. The new IE class is valid for AC Motors in power range from 0,75 to 375 kW. Unlike the EFF class IE class can be used for 6-pole AC motors. Bellow is the table of efficiency classes. The instructions for efficiency classes can differ from country to country. Please contact with us for more information. The efficiency requirements for motors, which are fully integrated into a product (for example gear, pump) so their energy efficiency can not be recognized independently, are not valid in Europe.

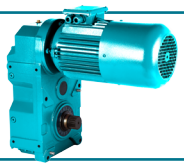
c- Schutzarten:
Brevini Power Transmission S.p.A. Getriebemotoren werden serienmäßig mit Schutzart IP54 (IEC34-5) ausgeführt. Für andere Schutzarten bitte rückfragen.

d- Isolationsklasse:
Brevini Power Transmission S.p.A. Getriebemotoren werden serienmäßig in Wärmeklasse F (IEC317-8) ausgeführt. H Wärmeklasse ist möglich auf Kundenwunsch.

e- Energieeffizienzklassen:
Die Methode für Messung die Effizienz von drei phasigen gering Spannung Asynchronmotoren hat neu mit IEC 60034-2-1:2007 Norm festgestellt. Die neue IE-Klassen gelten für alle Drehstrommotoren im Leistungsbereich von 0,75 bis 375 kW. Anders als EFF-Klassen die IE-Klassen können auch für 6-polige Drehstrommotoren verwendet werden. Unten steht die Tabelle der Effizienzklassen. Die Richtlinien für Effizienzklassen können sich je nach dem Land unterscheiden. Bitte mit unserem Firma Kontakt aufnehmen. Für die Motoren, die vollständig in ein Produkt (zum Beispiel Getriebe, Pumpe) eingebaut sind und deren Energieeffizienz nicht unabhängig von diesem Produkt erfasst werden kann, gelten in Europa die Anforderungen der Effizienzklassen nicht.

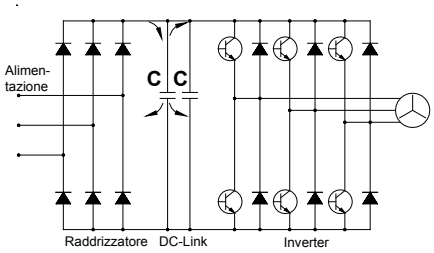
Classi di rendimento *Efficiency Classes* Energieeffizienzklassen			**Calcolo dei valori di rendimento di motori a 4 poli** *Calculating Efficiency Values of 4-Pole Motors* Berechnung der Wirkungsgrade von Elektromotoren mit 4 Polen	
IE1	EFF 2	**Rendimento standard** *Standart Efficiency* Standarte Energieeffizienz	A=0,5234 B=-5,0499 C=17,4180 D=74,3171	$\eta_{Mn} = A \times \left[\log_{10}(P_L)\right] + B \times \left[\log_{10}(P_L)\right]^2 + C \times \log_{10}(P_L) + D$
IE2	EFF 1	**Rendimento elevato** *High Efficiency* Hohe Energieeffizienz	A=0,0278 B=-1,9247 C=10,4395 D=80,9761	**P**: **Carico nominale [kW]** / *Nominal Load [kW]* / Nennlast [kW]
IE3	-	**Rendimento Premium** *Premium Efficiency* Premium Energieeffizienz	A=0,0773 B=-1,8951 C=9,2984 D=83,7025	**η**: **Rendimento nominale [kW]** / *Nominal Efficiency [kW]* / Sollwirkungsgrad
IE4	-	**Rendimento Super Premium** *Super Premium Efficiency* Super Premium Energieeffizienz	-	

Valori di rendimento di motori a 4 poli *Efficiency Values of Motor with 4 poles* Sollwirkungsgrad des Motors mit 4 Polen	**Carico nominale [kW]** *Nominal Load [kW]* Nennlast [kW]	**Classe di rendimento** / *Efficiency Class* / Energieeffizienzklasse		
		IE1	IE2	IE3
	0,75	72,1 %	79,6 %	82,5 %
	1,5	77,2 %	82,8 %	85,3 %
	3	81,5 %	85,5 %	87,7 %
	7,5	86 %	88,7 %	90,4 %
	15	88,7 %	90,6 %	92,1 %
	22	89,9 %	91,6 %	93 %
	37	91,2 %	92,7 %	93,9 %
	45	91,7 %	93,1 %	94,2 %
	75	92,7 %	94 %	95 %
	90	93 %	94,2 %	95,2 %
	330	94 %	95,1 %	96 %

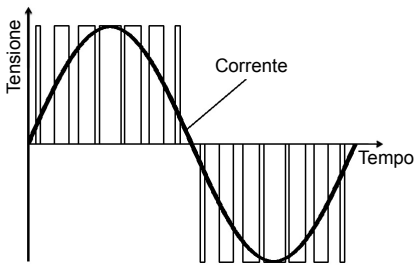


f- Convertitori di frequenza in CA

Un convertitore elettronico che converte la corrente continua (CC) in corrente alternata (CA) è chiamato inverter. I controller elettronici di velocità per motori CA generalmente convertono la corrente CA in corrente CC utilizzando un rettificatore, dopodiché la riconvertono in corrente CA a frequenza e tensione variabili utilizzando un inverter bridge. Il collegamento tra il rettificatore e l'inverter è chiamato DC-link. Qui sotto è raffigurato lo schema a blocchi di un controller di velocità (spesso chiamato inverter).

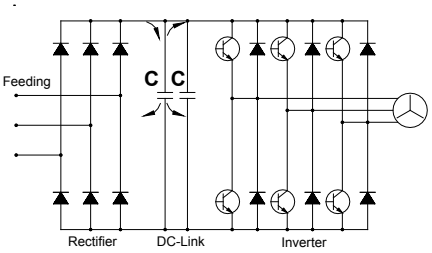


La corrente trifase arriva a un raddrizzatore a onda intera che, a sua volta, alimenta i condensatori del DC-link. I condensatori riducono l'ondulazione della tensione (soprattutto con alimentazioni singole) e forniscono energia da utilizzare in caso di brevi interruzioni di corrente. La tensione nei condensatori non è controllata e varia in funzione del picco della tensione di alimentazione in CA. La tensione in CC viene riconvertita in tensione in CA utilizzando la modulazione ad ampiezza di impulsi (Pulse Width Modulation, PWM). La forma d'onda desiderata si ottiene attivando e disattivando i transistor in uscita (Transistor bipolari a gate isolato; IGBTs, Insulated Gate Bipolar Transistors in inglese) con una frequenza fissa (frequenza di commutazione). Variando la frequenza di attivazione e disattivazione degli IGBT si riesce a generare la corrente desiderata. La tensione in uscita corrisponde a una serie di impulsi ad onda quadra e l'induttanza degli avvolgimenti del motore determina una corrente sinusoidale nel motore stesso. La figura qui sotto mostra la modulazione ad ampiezza di impulsi.

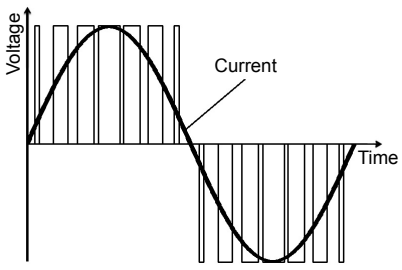


f- AC Frequency Inverters

An electronic converter is a device which converts Direct Current (DC) to Alternating Current (AC) is known as an inverter. Electronic speed controllers for AC motors usually convert the AC supply to DC using a rectifier, and then converts it back to a variable frequency, variable voltage AC supply using an inverter bridge. The connection between the rectifier and inverter is called DC link. The block diagram of a speed controller (often called inverter) is shown below.

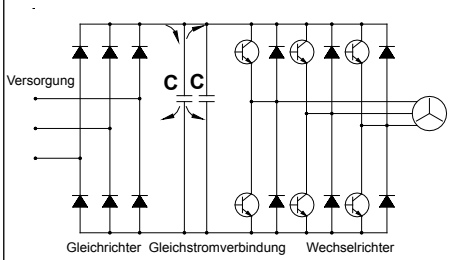


The three phase supply is fed into a full wave rectifier which supplies the DC link capacitors. The capacitors reduce the voltage ripple (especially on single supplies) and supply energy for short mains breaks. The voltage on the capacitors is uncontrolled and depends on the AC supply voltage peak. The DC voltage is converted back to AC using Pulse Width Modulation (PWM). The desired waveform is built up by switching the output transistors (Insulated Gate Bipolar Transistors; IGBTs) on and off at a fixed frequency (switching frequency). By varying the on and off time of the IGBTs, the desired current can be generated. The output voltage is still a series of square wave pulses and the inductance of the motor windings results in a sinusodial motor current. Pulse Width Modulation is shown in the figure below.

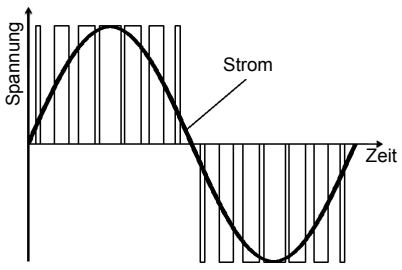


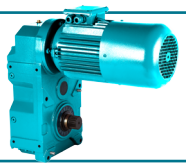
f- AC Frequenz Umrichter

Ein elektronischer Wandler, der den Gleichstrom (DC) in Wechselstrom (AC) umwandelt, wird als Umrichter bezeichnet. Ein Frequenzumrichter benutzt einen ungesteuerten Eingangsgleichrichter, um die Netzspannung in Gleichspannung umzuwandeln. Diese wird dann in den Zwischenkreiskondensatoren gespeichert. An diesem Gleichspannungszwischenkreis ist ein Wechselrichter angeschlossen. Dieser Wechselrichter erzeugt am Ausgang eine variable Frequenz und eine variable Spannung. Der Anschluss zwischen dem Gleichrichter und dem Wechselrichter nennt man Gleichstromverbindung. Das Blockschaltbild von diesem System wurde unten dargestellt:



Auch bei dreiphasiger Versorgung wird die gleichrichtete Netzspannung den Zwischenkreiskondensatoren zugeführt. Die Kondensatoren reduzieren die Oberwelligkeit der Spannung (was besonders bei einphasiger Versorgung entscheidend ist) und liefern Energie, die kurze Unterbrechungen der Netzstromversorgung ermöglicht. Die Spannung der Kondensatoren ist vom Spitzenwert der Wechselspannung abhängig. Die Gleichspannung wird im Wechselrichter durch Pulsweitenmodulation (PWM) in Wechselspannung umgewandelt. Die gewünschte Wellenform wird durch Ein- und Ausschalten der Ausgangstransistoren (IGBT's Isolierte Gate Bipolar Transistoren) mit einer festen Frequenz (der Pulsfrequenz) erzeugt. Der gewünschte Strom kann durch die Variation der Ein- und Ausschaltzeit der Ausgangstransistoren generiert werden. Die Ausgangsspannung ist dadurch eine Reihe von Spannungsimpulsen, die in Verbindung mit der Induktivität der Motorspulen zu einem sinusförmigen Motorstrom führt. Die Pulsweitenmodulation wird wie folgt dargestellt





MOTORI CC

a- Caratteristiche generali dei motori CC

A seguito dello sviluppo del settore dei componenti elettronici, i sistemi di azionamento a CC hanno trovato nuove possibili applicazioni. Ciò che un tempo era estremamente costoso e in alcuni casi economicamente non fattibile, oggi viene realizzato grazie alla tecnologia dei convertitori di potenza miniaturizzati. Ulteriori funzioni quali l'avviamento guidato dopo un tempo prestabilito, il monitoraggio delle coppie e della corrente con dispositivi elettronici di protezione contro i sovraccarichi e molte applicazioni tutt'altro che costose hanno fatto crescere l'interesse per i sistemi di azionamento in CC.

b- Principi di funzionamento dei motori CC

Il motore CC ha bisogno di un convertitore con uscita in CC. Il motore include degli avvolgimenti come per esempio quelli di indotto, di campo, di commutazione e di compensazione, che sono posizionati sia nello statore che sul rotore. Il rotore viene alimentato in tensione e corrente tramite le spazzole al carbonio e il commutatore. Le spazzole al carbonio sono componenti soggetti a usura, pertanto un motore CC necessita di interventi di manutenzione a intervalli stabiliti. Per via delle sue buone caratteristiche di controllo, il motore CC è un elemento essenziale della tecnologia dell'automazione.

c- Tipi di motori CC

A seconda del cablaggio dell'avvolgimento di eccitazione o dell'avvolgimento di campo si distinguono due varianti sostanzialmente diverse sotto il profilo delle caratteristiche di coppia e velocità di rotazione.

d- Controllo della velocità di rotazione dei motori CC

Nei motori CC la velocità di rotazione viene regolata modificando la tensione CC. I motori CC eccitati in derivazione funzionano in maniera simile ai motori trifase a induzione in servizio senza carico e con carico massimo. La velocità di rotazione diminuisce man mano che aumenta il carico sul motore. Questa differenza è maggiore nei motori di piccole dimensioni, ed è minore nei motori di dimensioni più grandi. La differenza di velocità di rotazione può essere compensata nel convertitore CC regolando (I x R). Laddove è necessaria una grande precisione di controllo, si può utilizzare un controller di velocità con misurazione dei valori effettivi da parte di una dinamo tachimetrica. Potenza di un motore CC:

$$P_g = U \times I = \frac{P_c}{\eta}$$

P : Potenza in entrata W
P : Potenza in uscita W
U : Tensione di armatura V
I : Corrente di armatura A
η : Rendimento motore

DC MOTORS

a- General Specifications of DC Motors

DC drive systems have found new possible applications with the development of the electronic components sector. What was previously extremely expensive and in some cases not economically feasible is nowadays realized by the miniaturised power converter technology. Additional functions such as guided startup after a predetermined time, torque and current monitoring with electronic protection against overloading, and many inexpensive special applications have made DC drive systems more attractive.

b- Operating principles of DC Motors

The DC motor requires a converter with DC output. The motor includes windings, such as armature, field, commutation and compensation windings, which are arranged in the stator as well as on the rotor. Voltage and current are supplied to the rotor via the carbon brushes and the commutator. The carbon brushes are wearing parts therefore a DC motor requires maintenance at service intervals. Due to its good control properties, the DC motor is an essential item in automation technology.

c- Types of DC Motors

Depending on the wiring of the exciting winding or field winding, two basically different variants regarding torque speed characteristics may be distinguished.

d- DC motors Speed Control

In DC motors the speed is adjusted by altering the DC voltage. DC shunt wound motors operate similarly to three phase induction motors in no load and maximum load operation. The speed drops with increased loading on the motor. This difference is greater in small motors and smaller in larger motors. The speed difference can be compensated in the DC converter device by adjusting (I x R). If great control accuracy is required, a speed control with measurement of the actual values by a tachogenerator can be used. The power of DC motor;

$$P_g = U \times I = \frac{P_c}{\eta}$$

P : Input Power W
P : Output Power W
U : Armature Voltage V
I : Armature Current A
η : Motor efficiency

DC MOTOREN

a- Eigenschaften von DC Motoren

Mit den Entwicklungen bei elektronischen Komponenten haben DC Motoren neue Anwendungsbereiche gefunden. Regelungssysteme, die früher sehr teuer und im manchen Anwendungsfällen ungünstig waren, sind jetzt kompakt und günstig. Bei den DC Motoren ist kontrolliertes Anlauf, Moment- und Stromüberwachung mit Überlastschutz möglich. Es gibt viele günstige Sonderanwendungen für diese Motoren. Wegen oben genannten Eigenschaften werden die DC Motoren immer mehr bei unterschiedlichen Anwendungen benutzt.

b- Funktionsprinzip der DC Motoren

Bei DC Motoren ist eine Kommutatorwicklung im Rotor angeordnet, während der magnetische Fluss vom Stator erzeugt wird. Dies kann wiederum mittels einer Erregerwicklung oder durch Permanentmagnete geschehen. Wie bei der Synchronmaschine wird durch das Erregerfeld in der Ankerwicklung eine Wechselspannung, die bei der Gleichstrommaschine jedoch durch den mechanischen Kommutator und die darauf schleifenden Bürsten in eine Gleichspannung umgeformt wird, induziert.

c- Arten von DC Motoren

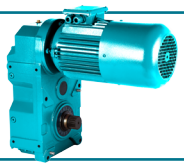
Es gibt zwei verschiedene Wicklungen, nämlich Shunt- und Serial-Wicklung. Das Drehmoment-Drehzahl-Verhältnis ist für beide Wicklungen unterschiedlich.

d- Drehzahl Kontrolle für DC Motoren

Drehzahl von DC Motoren kann man mit Steuerung der DC Spannung ändern. DC Motoren mit Shunt Wicklungen ist ähnlich zu drei phasen AC Motoren zwischen maximalen Last und ohne Last. Drehzahl wird mit der Last reduziert. Mit kleineren Motoren wird dieser Differenz höher mit großeren Motoren kleiner. Der Drehzahlunterschied kann geregelt werden mit (IxR) Veränderung. Wenn eine genaue Kontrolle gebraucht, soll ein Tachogenerator benutzt werden. Leistung des DC Motors;

$$P_g = U \times I = \frac{P_c}{\eta}$$

P : Eingangsleistung W
P : Ausgangsleistung W
U : Ankerspannung V
I : Ankerstrom A
η : Wirkungsgrad des Motors



Freni elettromagnetici

Questo tipo di freni ha due superfici di attrito. Se non viene applicata tensione, la coppia frenante viene generata da molle. Il freno è azionato elettromagneticamente. Eccitando l'unità elettromagnetica di corrente l'ancora viene attirata verso l'elettromagnete, caricando con spinta assiale la molla di pressione e consentendo al disco frizione, che può muoversi sulla chiavetta in direzione assiale, di ruotare liberamente. In caso di assenza di corrente, le molle pressurizzate azionano l'ancora spingendola verso il disco, frenando così l'albero motore.

Tipi di freni
a) Freni senza raffreddamento
Questo tipo di freno viene montato sulla calotta posteriore del motore elettrico. In questo caso il motore è privo di ventola. Questo tipo di freno viene generalmente scelto quando si hanno tempi di funzionamento brevi e cicli di lavoro corti.
b) Freni con ventola di raffreddamento
Questo tipo di freno viene montato sulla calotta posteriore del motore elettrico togliendo la ventola del motore elettrico. Al lato posteriore del freno viene fissata una ventola allungando l'albero del rotore del motore elettrico. Si preferisce utilizzare freni con ventola di raffreddamento quando si hanno lunghi tempi di funzionamento e il motore è installato in ambienti chiusi privi di ventilazione.
c) Freni con azionamento manuale
Questo freno può essere azionato a mano. Può essere montato su entrambe le tipologie di freni sopra descritte e utilizzato in casi particolari (mancanza di corrente elettrica, problemi meccanici, ecc.). Questi freni vengono generalmente scelti se c'è bisogno di poterli utilizzare (azionare) in assenza di corrente (porte a controllo automatico, cancelli, elevatori per operazioni di verniciatura dei muri di edifici, ecc.).

Tensioni di esercizio
I freni elettromagnetici possono essere ordinati nelle versioni con tensione di alimentazione da 230 V CA o 400 V CA. La bobina dei freni ha bisogno di tensione CC pertanto, a seconda del tipo di freno, è opportuno inserire un raddrizzatore a mezz'onda, un raddrizzatore a onda intera o un trasformatore tra la tensione di alimentazione e la tensione della bobina. In assenza di specifica richiesta, i freni vengono forniti come standard con una tensione di alimentazione a 230 V e un raddrizzatore a mezz'onda. Per applicazioni particolari si prega contattare Brevini Power Transmission S.p.A.
a) Freni con tensione di alimentazione a 230 V
La tensione di alimentazione in CA a 230 V proveniente dalla morsettiera del motore viene portata alla tensione idonea per la bobina da un raddrizzatore a mezz'onda o a onda intera, a seconda del tipo di freno. La tensione CC della bobina del freno è indicata sulla targhetta.
B) Freni con tensione di alimentazione a 400 V
La tensione di alimentazione in CA a 400 V proveniente dalla morsettiera del motore viene portata alla tensione idonea per la bobina da un raddrizzatore a mezz'onda. La tensione CC della bobina del freno è indicata sulla targhetta.
c) Freni in CC a 24 V
Le dimensioni del trasformatore sono scelte in base al valore della coppia frenante. La corrente viene presa dalla morsettiera del motore elettrico o dal quadro elettrico e viene trasformata in corrente CC a 29 V. Questa, a sua volta, viene trasformata in corrente CC a 24 V con un raddrizzatore a mezz'onda e va ad alimentare la bobina del freno.

Electromagnetic Brakes

This type of brake has two friction surfaces. The brake torque is generated by springs when no voltage is applied. The brake is electromagnetically released. On exciting the current electromagnet unit, the armature plate is pulled towards the electromagnet itself, thrust loading the pressure spring and enabling the friction disc which is axially movable on the key, to turn freely. In case of current failure, the pressured springs drive the armature plate towards the disc, thus braking the motor shaft.

Brake Types
a) Brakes without cooling
This type of brake is assembled on the back cover of the electric motor. There is no fan on the backside. This brake type is mostly preferred in short working times and short working cycles.
b) Fan cooled brakes
This type of brake is assembled on the back cover of electric motor by removing the electric motor fan. A fan is coupled to the backside of the brake by extending the rotor shaft of the electric motor. Fan cooled brakes are preferred in long working times and closed places without airflow.
c) Brakes with hand release
This brake can be released by using an arm. It can be applied to both above mentioned brakes and used in special cases (electric current failure, mechanical problems etc.). These brakes are mostly preferred if operation (releasing) without current is needed (automatic controlled doors, gates, building wall painting elevators etc.).

Working Voltages
Electromagnetic brakes can be ordered with 230V AC or 400V AC supply voltage. The coil of brakes needs DC voltage and therefore depending on the brake type a half-wave, a full-wave rectifier or transformer should be used between supply and coil voltage. As standard the brakes will be delivered with 230V supply voltage and half wave rectifier, if there is no special request. For special cases please contact ***Brevini Power Transmission S.p.A.***
a) Brakes with 230V supply voltage
230V AC supply voltage from the motor terminal box will be reduced to the coil voltage depending on the brake type with half-wave or full-wave rectifier. DC brake coil voltage is indicated on the label.
b) Brakes with 400V supply voltage
400V AC supply voltage from the motor terminal box will be reduced to the coil voltage with half-wave rectifier. DC brake coil voltage indicated on the label.
c) 24V DC Brakes
The transformer size is selected according to the brake torque value. The current is taken from the electric motor terminal box or from the electric panel and is transformed to 29V DC current. This current is transferred to 24V DC current with full-wave rectifier and supplies the brake coil.

Elektromagnetische Bremsen

Die Bremse hat zwei Reibflächen und arbeitet nach dem Ruhestromprinzip. Im stromlosen Zustand wird das Bremsmoment durch den Druck der Feder erzeugt, während die Bremse beim Betrieb elektromagnetisch losgelassen wird. Durch die Erregung der Elektromagneten wird die Ankerscheibe zu den Elektromagneten gezogen und die Feder zusammengedrückt. Dadurch kann sich die Bremsscheibe, die axial beweglich auf dem Mitnehmer angeordnet ist, frei drehen. Wird der Strom unterbrochen, drücken die Feder die Ankerscheibe gegen die Bremsscheibe und halten die Motorwelle an.

Bremsearten:
a)Bremsen ohne Kühlung
Diese Bremsen sind für Kurzlaufzeiten geeignet. Die Lüfterhaube und Lüfter des Motors ist ausgebaut und die Bremse ist an dem Ende der Motorwelle befestigt.
b)Bremsen mit Kühlung
Diese Bremsen sind für lange Laufzeiten und kleine, abgedeckte Räume geeignet. Durch die Verlängerung der Motorwelle wurde Lüfter hinter dem Bremse und dem Motor verbunden. Somit wurde eine konstante Lüftung ermöglicht.
c)Bremsen mit Hebelarm
Diese Bremsenart kann mit oder ohne Kühlung verwendet werden. Diese Bremsen sind bei der speziellen Fälle, wie keine Spannung an der Leitung, mechanische Probleme usw. , anwendbar. Die Bremse wird mit einem Hebelarm manuell betätigt. Diese Bremsen werden am meisten an den Stellen, wo die Lüftung ohne Spannung erfolgen soll, benutzt (automatische Türe, Wandaufzüge).

Betriebsspannungen
Elektromagnetische Bremsen können mit 230V AC oder 400V AC Versorgungsspannung bestellt werden. Die Wicklungen der Bremsen brauchen Gleichspannung und deswegen abhängig von Bremsenart zwischen Versorgungsspannung und Wicklungsspannung soll Halbwellen-, Vollweggleichrichter oder Transformator verwendet werden. Als Standard die Bremsen werden mit 230V Versorgungsspannung und Halbwellengleichrichter geliefert.
a) Bremsen mit 230V Versorgungsspannung
230V AC Versorgungsspannung von Klemmenkasten wird auf die Wicklungsspannung abhängig von der Bremsentyp mit Halbwellen-oder Vollweggleichrichter reduziert. Wicklungsspannung ist auf dem Etikett angegeben.
b) Bremsen mit 400V Versorgungsspannung
400V AC Versorgungsspannung von Klemmenkasten wird auf die Wicklungsspannung mit Halbwellengleichrichter reduziert. Wicklungsspannung ist auf dem Etikett angegeben.
c) 24V DC Bremsen
Die Spannung wird von den Klemmkasten des Motors oder Elektrikschrank entnommen. Diese Spannung wird zuerst mittels Transformator zu 24 V reduziert. Danach wird diese Spannung mit Hilfe von Gleichrichter zu Gleichstromspannung umgewandelt. Die Größe des Transformators ist abhängig von der Größe des Bremsmoments.

d) Trasformatore generante tensioni d'urto
I freni che hanno potenza e coppie elevate impiegano molto tempo per generare il campo elettromagnetico. I trasformatori generanti tensioni d'urto provvisti di relè temporizzato servono per vincere la pressione della molla che ritarda l'azionamento dei freni. Questi trasformatori, inoltre, aprono repentinamente il sistema applicando una tensione di alimentazione doppia (in CC a 48 V) per un breve lasso di tempo e impedendo le perdite di attrito che si verificano quando l'apertura è rallentata.

Tipi di connessione
a) Frenatura ritardata
Generalmente questo tipo di connessione viene utilizzato per sistemi in cui è richiesta una frenatura lenta e graduale. Tipo di connessione ritardata usata per prevenire carichi con urti in sistemi di azionamento di gru. In assenza di richieste diverse da parte del cliente, vengono montati freni con connessione ritardata

b) Immediata/Rapida
Questo tipo di connessione è generalmente adottata per sistemi in cui sono richiesti tempi di frenatura brevi. La coppia frenante si genera immediatamente nel momento in cui il sistema non riceve più corrente. Questi freni sono per lo più utilizzati per apparecchiature di sollevamento e ascensori.

d) Shock voltage supply transformer
Brakes which consist of high power and torques take long time to obtain the electromagnetic field. Shock voltage supply transformers with time relay aim to overcome spring pressure delaying for brakes. Also these transformers open the system suddenly by double power supply (48V DC) voltage in a short time and preventing frictional losses that occur in delayed opening.

Connection Types
a) Delayed Braking
Generally this type of connection is used in slow and sliding brake intended systems. Delayed connection type used to prevent shock loadings in crane driving systems. Brakes are setting up to delayed connection if other types are not specified by customer

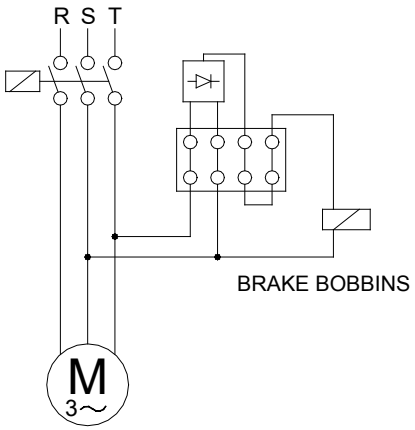
b) Immediate/Fast
This type of connection is mostly used in systems when short braking times are needed. The braking torque will be produced as soon as there is a current failure. These brakes are mostly used in hoisting operations of lifting units and elevators.

d) Trafos mit Schock-Spannung
Diese Transformatoren werden bei großen Bremsen mit hohen Momenten verwendet. Da die große Bremsen eine lange Zeit braucht, um die erforderliche magnetische Feld zu erzeugen, wird an der Bremse kurz 48V Gleichstromspannung angelegt, um die Zeit zur Bildung von magnetischem Feld zu kürzen. Dies ermöglicht kürzere Reibungszeiten beim Start.

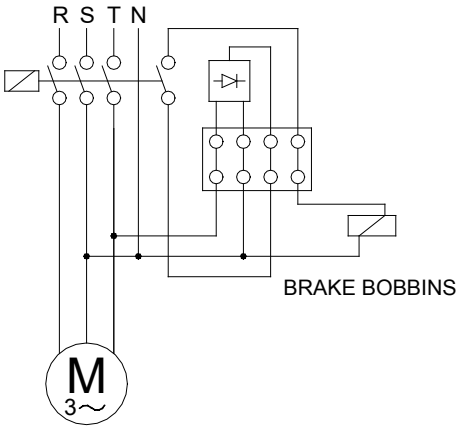
Schaltungsarten:
a)Verspätetes Bremsen
Diese Schaltung wird benutzt, wenn ein langsames und gleitendes Bremsen erforderlich ist. Am meisten wird es bei Fahrgetriebemotoren von Aufzügen verwendet. Wenn keine Angabe bei der Bestellung gegeben wird, werden die Bremsen mit verspäteter Schaltung geliefert.

b)Schnelles Bremsen:
Allgemein verwendet man diese Schaltung bei Bedarf an plötzlichen Bremsen in dem Augenblick, in dem das System keine Energie mehr erhält. Diese Schaltungsart wird meist bei Kräne und Motoren von Aufzüge verwendet.

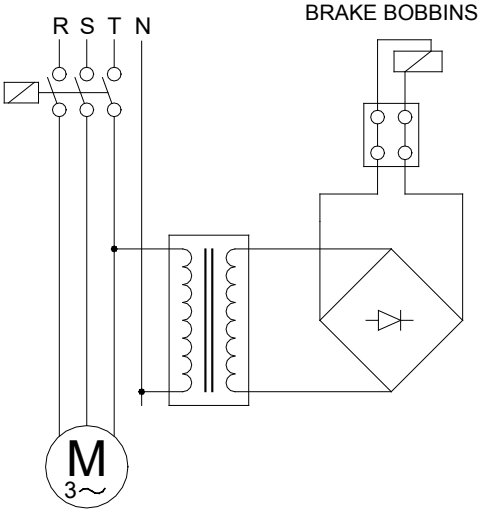
Frenata ad effetto ritardato / *Delayed Working Brake* / Verspätete Bremsung
(230 V)



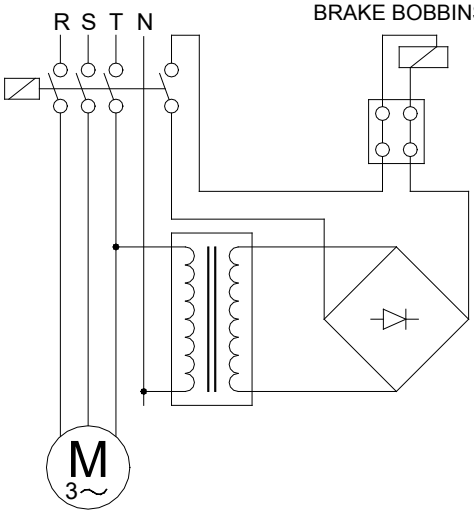
Frenata improvvisa / *Sudden Brake* / Plötzliche Bremsung
(230 V)

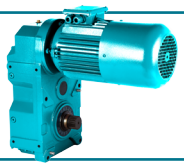


Frenata ad effetto ritardato / *Delayed Working Brake* / Verspätete Bremsung
(24 V)



Frenata improvvisa / *Sudden Brake* / Plötzliche Bremsung
(24 V)





Informazioni generali
General Information
Einführung

Scelta dei freni:

Per scegliere correttamente i freni sono necessari i dati seguenti:

- I [kg . m] : **L'inerzia totale delle parti rotanti ridotta all'albero motore**

- n [giri/min.] : **Velocità massima di rotazione del motore.**

- t[s] : **Il tempo massimo di frenatura ammesso.**

- c : **Coefficiente tempo di attivazione (valore medio 0,995).**

- M [Nm] : **Coppia statica richiesta per il sistema.**

- C : **Fattore di sicurezza (C ≥ 2)**

La coppia frenante necessaria si calcola come segue:

a) La coppia di carico statica M, stesso senso di rotazione del motore (riduzione del carico o coppia resistente costante per favorire la rotazione del motore)

$$M_{fc} = \frac{(2\pi \times n_0 \div 60) \times I_{tot}}{t_f \times c_t} + M_L$$

b) La coppia di carico statica M, opposta al senso di rotazione del motore (aumento del carico o coppia resistente costante per resistere alla rotazione del motore)

$$M_{fc} = \frac{(2\pi \times n_0 \div 60) \times I_{tot}}{t_f \times c_t} - M_L$$

La coppia frenante necessaria si calcola con l'equazione seguente, utilizzando C (C ≥ 2):

$$M_f = M_{fc} \times C_s$$

Scelta orientativa dei freni
Se si conoscono solo la potenza del motore e la sua velocità di rotazione massima:

W [Watt]: Potenza nominale motore

$$M_f = \frac{W}{(\frac{2\pi \times n_0}{60})} \times C_s \quad (C_s \geq 2)$$

Brake Selection:

To correctly select a brake the following data is necessary;

- I [kg . m] *: The total inertia of rotating parts reduced at the motor shaft*

- n [rpm] *: Maximum motor speed.*

- t[s] *: The maximum admitted braking time.*

- c *: Coefficient of switch on time (average 0.995).*

- M [Nm] *: Required static torque of the system.*

- C *: Safety coefficient (C ≥ 2)*

The necessary braking torque is calculated below;

a) The static load torque M ,same direction of motor rotation (load descent or steady resisting torque which favors the motor rotation)

$$M_{fc} = \frac{(2\pi \times n_0 \div 60) \times I_{tot}}{t_f \times c_t} + M_L$$

b)The static load torque M ,opposes the motor rotation (load lifting or steady resisting torque which opposes the motor rotation)

$$M_{fc} = \frac{(2\pi \times n_0 \div 60) \times I_{tot}}{t_f \times c_t} - M_L$$

The necessary braking torque will result from the following equation using C (C ≥ 2);

$$M_f = M_{fc} \times C_s$$

Approximated Brake Selection
It is only the motor power and its maximum speed is known:

W [Watt]: Motor Nominal Power

$$M_f = \frac{W}{(\frac{2\pi \times n_0}{60})} \times C_s \quad (C_s \geq 2)$$

Bremsauswahl:

Um die richtige Bremse auszuwählen, braucht man unten aufgelistete Variablen;

- I [kg . m] :Die Gesamtträgheit der rotierenden Teile(siehe Anwendungsbeispiele)

- n [U/min] : Die höchste Drehzahl desMotors

- t [s] :Die längste zulässige Bremszeit

- c : Reduktionskoeffizient der Tätigkeitszeit (gemittelt 0,995).

- M[Nm] : Vom system benötigtes, statisches drehmoment.

- C : Sicherheitskoeffizient (C ≥ 2)

Die benötigte Bremskraft wird wie folgt berechnet:

a) konstantes Belastungsmoment M, das die Motordrehung fördert (konstante Erhöhung der Motorgeschwindigkeit oder Herunterlassen der Last)

$$M_{fc} = \frac{(2\pi \times n_0 \div 60) \times I_{tot}}{t_f \times c_t} + M_L$$

b) konstantes Belastungsmoment M, das sich entgegen der Motordrehung widersetzt (konstante Verminderung der Motorgeschwindigkeit oder Aufheben der Last)

$$M_{fc} = \frac{(2\pi \times n_0 \div 60) \times I_{tot}}{t_f \times c_t} - M_L$$

Wenn die Bremskraft mit dem Sicherheitskoeffizient C (C ≥ 2) multipliziert wird, erhält man die erforderliche Bremskraft;

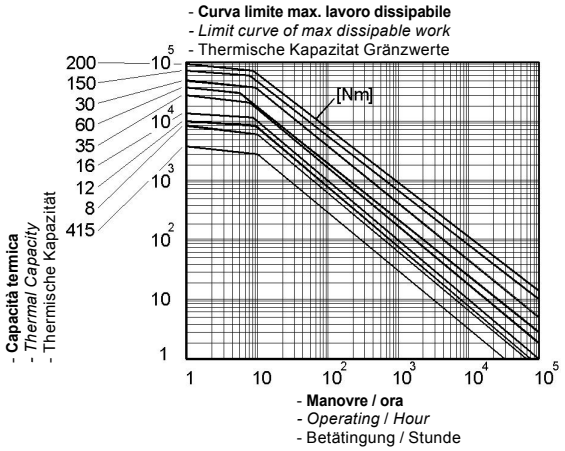
$$M_f = M_{fc} \times C_s$$

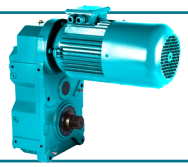
Abschätzung zur Bremswahl
Wenn man nur die Motorleistung und die höchste Drehzahl kennt, kann die Bremskraft mit der folgenden Formel annähernd berechnet werden:
W [Watt] : Nennleistung des Motors

$$M_f = \frac{W}{(\frac{2\pi \times n_0}{60})} \times C_s \quad (C_s \geq 2)$$

Freni standard / *Standard Brakes* / Standart Bremsen

Coppia frenante statica [Nm] *Brake Static Torque [Nm]* Statische Bremskraft [Nm]	4,5	8	12	16	35	60	80	150	200
Coppia frenante dinamica [Nm] *Brake Dynamic Torque [Nm]* Dynamische Bremskraft [Nm]	3,6	6,4	9,6	12,8	28	48	64	120	160
Velocità di rotazione massima del motore [giri/min.] *Maximum Motor Speed [rpm]* Maximale Motordrehzahl [U/min]	3000	3000	3000	3000	3000	3000	3000	1500	1500
Potenza in entrata [W] *Input Power [W]* Antriebsleistung [W]	15	20	25	30	45	50	55	60	65





Capacità termica dei freni

Dopo aver effettuato i calcoli suddetti occorre verificare anche la capacità termica dei freni. L'energia di dissipazione del calore L (joule) la si può calcolare utilizzando l'equazione seguente, e va verificata se il risultato si situa al di sotto della curva limite illustrata nel diagramma "Curva limite max. lavoro dissipabile".

a) La coppia di carico statica M, favorisce la rotazione del motore (riduzione del carico)

$$L = \frac{I_{tot} \times (2\pi \times n_0 \div 60)^2}{2} \times \left(\frac{M_f}{M_f - M_L}\right)$$

b) La coppia di carico statica M, resiste alla rotazione del motore (aumento del carico)

$$L = \frac{I_{tot} \times (2\pi \times n_0 \div 60)^2}{2} \times \frac{M_f}{M_f + M_L}$$

c) La coppia di carico statica M, è costante e resiste o favorisce la rotazione del motore (eccetto aumento del carico)

$$L = \frac{I_{tot} \times (2\pi \times n_0 \div 60)^2}{2}$$

Regolazione dell'air-gap:

Affinché le prestazioni dei freni rimangano inalterate per tutta la loro durata di vita è necessario che l'air-gap venga regolato dopo un certo numero di ore di lavoro. Vi invitiamo a contattarci per maggiori dati sull'air-gap e sull'intervallo di tempo tra una regolazione e l'altra.

Esempio di selezione:
Tempo massimo di frenata consentito 0,5 s
Velocità di rotazione del motore: 1400 giri/min.
Inerzia totale ridotta all'albero motore: 0,08 kgm^2

Coppia di lavoro richiesta: 50 Nm
Natura del carico: la direzione di carico è uguale alla direzione di rotazione del motore (processo di scarico: tempo di avvio-arresto per ora: 30)

$$M_{fc} = \frac{(2\pi \times 1400 \div 60)}{0,5 \times 0,995} + 50 = 73,6 \text{ Nm}$$

$$M_f = 73,6 \times 2 = 147,2 \text{ Nm}$$

In base alla tabella di selezione dei freni, la scelta si porta su un freno standard da 150 Nm.
Capacità termica necessaria

$$L = \frac{0,08 \times (2\pi \times 1400 \div 60)^2}{2} \times \left(\frac{147,2}{147,2 - 50}\right)$$

=1302,0<18000 Joule (dalla curva dei 150 Nm)
Il freno selezionato, da 150 Nm, è adeguato.

Brake Thermal Capacity

The thermal capacity of the brake must also be checked after the above mentioned calculations. The heat dissipation energy L (joule) can be calculated from the following equation and must be checked if the result is under the limit curve shown on ''Limit curve of possible dissipable work''.

a) The static load torque M , favors the motor rotation of the (load descent which favors the motor rotation)

$$L = \frac{I_{tot} \times (2\pi \times n_0 \div 60)^2}{2} \times \left(\frac{M_f}{M_f - M_L}\right)$$

b) The static load torque M , opposes the motor rotation (load lifting which opposes the motor rotation)

$$L = \frac{I_{tot} \times (2\pi \times n_0 \div 60)^2}{2} \times \frac{M_f}{M_f + M_L}$$

c) The static load torque M ,is constant and opposes or favors the motor rotation (except load lifting)

$$L = \frac{I_{tot} \times (2\pi \times n_0 \div 60)^2}{2}$$

Adjustment of the air-gap:

In order to obtain the same performance from the brake during its lifetime,the brake air-gap must be re-adjusted after a limited time of operation For the air-gap and the time interval of the adjustment please contact us.

Selection Example:
Maximum permitted braking time for 0.5 s
Motor speed: 1400 rpm
Total inertia reduced at motor shaft: 0.08 kgm^2

Required operating torque: 50 Nm
Nature of load: Load direction is same as motor direction (Unloading process: Start-stop time per hour: 30)

$$M_{fc} = \frac{(2\pi \times 1400 \div 60)}{0,5 \times 0,995} + 50 = 73,6 \text{ Nm}$$

$$M_f = 73,6 \times 2 = 147,2 \text{ Nm}$$

From the brake selection table a standard brake of 150 Nm is selected.
Necessary thermal capacity

$$L = \frac{0,08 \times (2\pi \times 1400 \div 60)^2}{2} \times \left(\frac{147,2}{147,2 - 50}\right)$$

=1302,0<18000 Joule (from 150 Nm curve)
The selected brake with 150 Nm is suitable.

Thermische Kapazität der Bremsen

Nach den oben genannten Berechnungen muss die Thermische Kapazität überprüft werden. Die Wärme, d.h. die gebrauchte Energie L, werden mit den folgenden Formeln berechnet. Die gerechnete Kapazitätswerte sollen unter dem Grenzkurve ''Thermische Kapazität Grenzwerte'' der gewählten Bremse liegen.

a) Konstantes Belastungsmoment M, das die Motordrehung fördert (Herunterlassen der Last)

$$L = \frac{I_{tot} \times (2\pi \times n_0 \div 60)^2}{2} \times \left(\frac{M_f}{M_f - M_L}\right)$$

b) Konstantes Belastungsmoment M , das sich entgegen der Motordrehung widersetzt (Aufheben der Last)

$$L = \frac{I_{tot} \times (2\pi \times n_0 \div 60)^2}{2} \times \frac{M_f}{M_f + M_L}$$

c) Konstantes Belastungsmoment M , das sich gegen der Motorbewegung widersetzt oder die Motorrotation fördert (Konstante Verminderung oder Erhöhung der Motorgeschwindigkeit, kein Herunterlassen oder Aufheben der Last)

$$L = \frac{I_{tot} \times (2\pi \times n_0 \div 60)^2}{2}$$

Einstellung des Luftspaltes:

Um eine immer konstant bleibende Bremsfähigkeit zu erhalten, muss das Luftspalt nach einer bestimmten Arbeitszeit neu eingestellt werden. Für die Bestimmung des Luftspaltes und die Einstellzeiten bitten wir Sie um Rückfrage.

Beispiel für eine Auswahl:
Die höchste zulässige Bremszeit: 0,5 s
Motordrehzahl: 1400 U/min
Gesamtträgheit der rotierenden Teile: 0,08 kgm^2

Das auf das System wirkende Drehmoment: 50 Nm
Belastungsart: Drehmoment, das die Motor-rotation fördert (Herunterlassen der Last)
Betätigungen pro Stunde:30

$$M_{fc} = \frac{(2\pi \times 1400 \div 60)}{0,5 \times 0,995} + 50 = 73,6 \text{ Nm}$$

$$M_f = 73,6 \times 2 = 147,2 \text{ Nm}$$

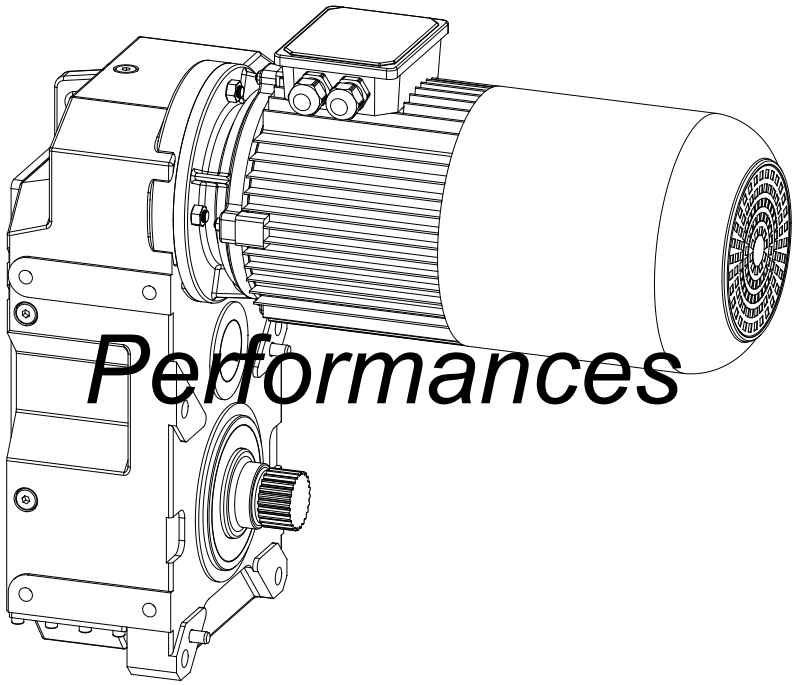
Eine Bremse von 150 Nm kann man auswählen.

Die thermische Kapazität;

$$L = \frac{0,08 \times (2\pi \times 1400 \div 60)^2}{2} \times \left(\frac{147,2}{147,2 - 50}\right)$$

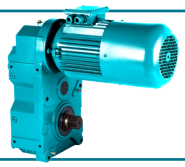
=1302,0<18000 Joule (von 150 Nm Kurve) Die ausgewählte 150 Nm Bremse ist ausreichend.

Prestazioni



Performances

Leistung und Drehzahlübersicht



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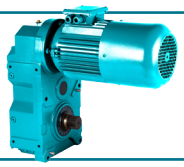
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø110	4,0	**M8 (5m)**	0,37	12	285	**121,67**	**VR373.1K-71/4b-L00**	23314	58	214	V001
	4,5	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	5,1	**M8 (5m)**	0,55	15	330	**94,32**	**VR373.1K-80/4a-L01**	21380	60		V002
	6,1	**M8 (5m)**	0,55	18	279	**79,34**	**VR373.1K-80/4a-L01**	20413	60		V002
	7,2	**M8 (5m)**	0,75	21	324	**67,45**	**VR373.1K-80/4b-L01**	19249	61		V003
	8,4	**M8 (5m)**	0,75	24	278	**57,79**	**VR373.1K-80/4b-L01**	18479	61		V003
	9,2	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	11,7	**M8 (5m)**	1,1	34	294	**41,42**	**VR373.1K-90S/4-L02**	16580	64		V004
	13,6	**M8 (5m)**	1,5	39	344	**35,49**	**VR373.1K-90L/4-L02**	15618	66		V005
	15,1	**M8 (5m)**	1,5	44	311	**32,11**	**VR373.1K-90L/4-L02**	15230	66		V005
	17,6	**M8 (5m)**	1,5	51	267	**27,53**	**VR373.1K-90L/4-L02**	14643	66		V005
	20,5	**M8 (5m)**	2,2	59	336	**23,58**	**VR373.1K-100L/4a-L04**	13709	70		V006
Ø120	4,3	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	4,9	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	5,6	**M8 (5m)**	0,55	15	330	**94,32**	**VR373.1K-80/4a-L01**	21380	60		V002
	6,6	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	7,8	**M8 (5m)**	0,75	21	324	**67,45**	**VR373.1K-80/4b-L01**	19249	61		V003
	9,1	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	10,1	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	12,7	**M8 (5m)**	1,1	34	294	**41,42**	**VR373.1K-90S/4-L02**	16580	64		V004
	14,9	**M8 (5m)**	1,5	39	344	**35,49**	**VR373.1K-90L/4-L02**	15618	66		V005
	16,4	**M8 (5m)**	1,5	44	311	**32,11**	**VR373.1K-90L/4-L02**	15230	66		V005
	19,2	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	22,4	**M8 (5m)**	2,2	59	336	**23,58**	**VR373.1K-100L/4a-L04**	13709	70		V006
Ø130	4,7	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	5,4	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	6,1	**M8 (5m)**	0,55	15	330	**94,32**	**VR373.1K-80/4a-L01**	21380	60		V002
	7,2	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	8,5	**M8 (5m)**	0,75	21	324	**67,45**	**VR373.1K-80/4b-L01**	19249	61		V003
	9,9	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	10,9	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	13,8	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	16,1	**M8 (5m)**	1,5	39	344	**35,49**	**VR373.1K-90L/4-L02**	15618	66		V005
	17,8	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	20,8	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	24,2	**M8 (5m)**	2,2	59	336	**23,58**	**VR373.1K-100L/4a-L04**	13709	70		V006
Ø140	5,1	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	5,8	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	6,5	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	7,8	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	9,1	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	10,6	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	11,8	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	14,9	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	17,3	**M8 (5m)**	1,5	39	344	**35,49**	**VR373.1K-90L/4-L02**	15618	66		V005
	19,2	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	22,4	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	26,1	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø150	5,4	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	6,2	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	7,0	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	8,3	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	9,8	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	11,4	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	12,6	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	15,9	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	18,6	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	20,5	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	23,9	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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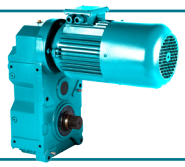
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø150	28,0	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73	214	V007
Ø160	5,8	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	6,6	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	7,5	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	8,9	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	10,4	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	12,2	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4 L02**	18050	64		V004
	13,4	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	17,0	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K- 90L/4-L02**	16227	66		V005
	19,8	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	21,9	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	25,5	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	29,8	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø170	6,1	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	7,0	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	7,9	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	9,4	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	11,1	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	12,9	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	14,3	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	18,0	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	21,1	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	23,3	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	27,1	**M8 (5m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	13760	73		V007
	31,7	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø180	6,5	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	7,4	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	8,4	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	10,0	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	11,7	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	13,7	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	15,1	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	19,1	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	22,3	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	24,6	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	28,7	**M8 (5m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	13760	73		V007
	33,6	**M7 (4m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	16691	73		V007

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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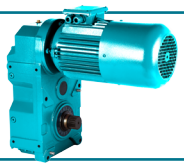
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø110	4,0	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	4,5	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	5,1	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	6,1	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	7,2	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	8,4	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	9,2	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	11,7	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	13,6	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	15,1	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	17,6	**M8 (5m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	13760	73		V007
	20,5	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø120	4,3	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	4,9	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	5,6	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	6,6	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	7,8	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	9,1	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	10,1	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	12,7	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	14,9	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	16,4	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	19,2	**M8 (5m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	13760	73		V007
	22,4	**M7 (4m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	16691	73		V007
Ø130	4,7	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	5,4	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	6,1	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	7,2	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	8,5	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	9,9	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	10,9	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	13,8	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	16,1	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	17,8	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	20,8	**M7 (4m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	17307	73		V007
	24,2	**M7 (4m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	16186	77		V008
Ø140	5,1	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	5,8	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	6,5	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	7,8	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	9,1	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	10,6	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	11,8	**M8 (5m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	16381	70		V006
	14,9	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	17,3	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	19,2	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	22,4	**M7 (4m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	17307	73		V007
	26,1	**M7 (4m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	16186	77		V008
Ø150	5,4	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	6,2	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	7,0	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	8,3	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	9,8	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	11,4	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	12,6	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	15,9	**M7 (4m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	19619	70		V006
	18,6	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	20,5	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	23,9	**M7 (4m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	16719	77		V008

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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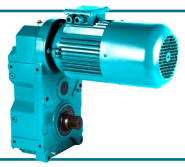
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø150	28,0	**M6 (3m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	20293	77	214	V008
Ø160	5,8	**M8 (5m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	21453	64	214	V004
	6,6	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	7,5	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	8,9	**M8 (5m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	18822	66		V005
	10,4	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	12,2	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70		V006
	13,4	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	17,0	**M7 (4m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	19619	70		V006
	19,8	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	21,9	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	25,5	**M6 (3m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	21021	77		V008
	29,8	**M6 (3m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	20293	77		V008
Ø170	6,1	**M8 (5m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	21453	64	214	V004
	7,0	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	7,9	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	9,4	**M8 (5m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	18822	66		V005
	11,1	**M7 (4m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	22820	66		V005
	12,9	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70		V006
	14,3	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	18,0	**M7 (4m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	18912	73		V007
	21,1	**M6 (3m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	22953	73		V007
	23,3	**M6 (3m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	22421	73		V007
	27,1	**M6 (3m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	21021	77		V008
	31,7	**M6 (3m)**	5,5	59	840	**23,58**	**VR373.1K-132S/4-L10**	19536	87		V009
Ø180	6,5	**M8 (5m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	21453	64	214	V004
	7,4	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	8,4	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	10,0	**M7 (4m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	23696	66		V005
	11,7	**M7 (4m)**	2,2	21	950	**67,45**	**VR373.1K-100L/4a-L04**	21821	70		V006
	13,7	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70		V006
	15,1	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	19,1	**M6 (3m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	23776	73		V007
	22,3	**M6 (3m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	22953	73		V007
	24,6	**M6 (3m)**	4,0	44	830	**32,11**	**VR373.1K-112M/4-L05**	21735	77		V008
	28,7	**M6 (3m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	21021	77		V008

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø170	5,4	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	6,2	**M8 (5m)**	1,1	12	850	**121,49**	**VR473.1K-90S/4-L02**	45356	99		V010
	7,4	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	7,8	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	9,2	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	10,6	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	12,1	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	13,8	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48035	107		V013
	15,8	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	108		V013
	18,0	**M8 (5m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	48314	114		V014
	21,8	**M8 (5m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	48823	114		V014
	26,3	**M7 (4m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	50314	124		V015
	26,4	**M8 (5m)**	5,5	50	1012	**28,30**	**VR573.1K-132S/4-L10**	80795	194	216	V022
Ø180	5,7	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	6,5	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	7,8	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	8,3	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	9,8	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	11,2	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	12,8	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	14,6	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48035	107		V013
	16,7	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107		V013
	19,1	**M8 (5m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	48314	114		V014
	23,1	**M7 (4m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	50778	114		V014
	27,8	**M7 (4m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	50314	124		V015
	21,0	**M8 (5m)**	4,0	37	975	**37,64**	**VR573.1K-112M/4-L05**	79711	184	216	V021
	23,7	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	28,0	**M8 (5m)**	5,5	50	1012	**28,30**	**VR573.1K-132S/4-L10**	80795	194		V022
Ø190	6,0	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	6,9	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	8,2	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	8,7	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	10,3	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	11,8	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	13,5	**M8 (5m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	47404	107		V013
	15,4	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48035	107		V013
	17,6	**M8 (5m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	47720	114		V014
	20,1	**M7 (4m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	50385	114		V014
	24,4	**M7 (4m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	49834	124		V015
	29,4	**M7 (4m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	50314	124		V015
	19,6	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184	216	V021
	22,2	**M8 (5m)**	4,0	37	975	**37,64**	**VR573.1K-112M/4-L05**	79711	184		V021
	25,0	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	29,5	**M8 (5m)**	5,5	49	1012	**28,30**	**VR573.1K-132S/4-L10**	80795	194		V022
Ø200	6,4	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	7,2	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	8,7	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	9,2	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	10,9	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	12,5	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	14,2	**M8 (5m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	47404	107		V013

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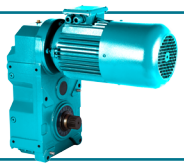
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø200	16,2	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48035	107	215	V013
	18,6	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	21,2	**M7 (4m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	50385	114		V014
	25,7	**M7 (4m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	49834	124		V015
	30,9	**M7 (4m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	50314	124		V015
	16,9	**M8 (5m)**	3,0	27	1007	**51,97**	**VR573.1K-100L/4b-L04**	78401	177	216	V020
	20,6	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184		V021
	23,4	**M8 (5m)**	4,0	37	975	**37,64**	**VR573.1K-112M/4-L05**	79711	184		V021
	26,3	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	31,1	**M8 (5m)**	5,5	49	1012	**28,30**	**VR573.1K-132S/4-L10**	80795	194		V022
Ø210	6,7	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	7,6	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	9,1	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	9,6	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	11,4	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	13,1	**M8 (5m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	46686	107		V013
	14,9	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	17,0	**M7 (4m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	50367	107		V013
	19,5	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	22,2	**M7 (4m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	50385	114		V014
	26,9	**M7 (4m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	49834	124		V015
	32,4	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	13,4	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177	216	V020
	15,8	**M8 (5m)**	3,0	24	1129	**58,36**	**VR573.1K-100L/4b-L04**	77055	177		V020
	17,8	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	21,7	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184		V021
	24,5	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	27,6	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	32,6	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø220	7,0	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	8,0	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	9,5	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	10,1	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	11,9	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	13,7	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	15,6	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	17,8	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	20,4	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	23,3	**M7 (4m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	50385	114		V014
	28,2	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	34,0	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	12,5	**M8 (5m)**	2,2	18	1098	**77,63**	**VR573.1K-100L/4a-L04**	72828	174	216	V019
	14,0	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	73688	177		V020
	16,6	**M8 (5m)**	3,0	24	1129	**58,36**	**VR573.1K-100L/4b-L04**	75281	177		V020
	18,6	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	75747	184		V021
	22,7	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	76951	184		V021
	25,7	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	77011	194		V022
	28,9	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	78232	194		V022
	34,2	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	78029	204		V023
Ø230	7,3	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	8,3	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	10,0	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	10,5	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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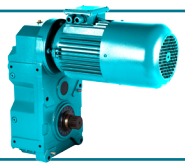
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø230	12,5	**M7 (4m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	49911	105	215	V012
	14,3	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	16,3	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	18,6	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	21,3	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	24,4	**M7 (4m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	49245	124		V015
	29,5	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	35,5	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	11,5	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174	216	V019
	13,0	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	14,7	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	17,3	**M8 (5m)**	3,0	24	1129	**58,36**	**VR573.1K-100L/4b-L04**	77055	177		V020
	19,5	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	23,7	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	26,9	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	30,2	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	35,7	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø240	7,6	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	8,7	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	10,4	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	11,0	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	13,0	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	14,9	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	17,1	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	19,4	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	22,3	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	25,4	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	30,8	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	37,1	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	12,0	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174	216	V019
	13,6	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	15,3	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	18,1	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	20,3	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	24,8	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	28,0	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	31,5	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	37,3	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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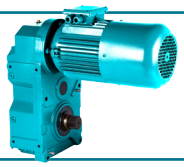

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø110	2,0	**M8 (5m)**	0,37	12	285	**121,67**	**VR373.1K-71/4b-L00**	23314	58	214	V001
	2,3	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	2,6	**M8 (5m)**	0,55	15	330	**94,32**	**VR373.1K-80/4a-L01**	21380	60		V002
	3,0	**M8 (5m)**	0,55	18	279	**79,34**	**VR373.1K-80/4a-L01**	20413	60		V002
	3,6	**M8 (5m)**	0,75	21	324	**67,45**	**VR373.1K-80/4b-L01**	19249	61		V003
	4,2	**M8 (5m)**	0,75	24	278	**57,79**	**VR373.1K-80/4b-L01**	18479	61		V003
	4,6	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	5,8	**M8 (5m)**	1,1	34	294	**41,42**	**VR373.1K-90S/4-L02**	16580	64		V004
	6,8	**M8 (5m)**	1,5	39	344	**35,49**	**VR373.1K-90L/4-L02**	15618	66		V005
	7,5	**M8 (5m)**	1,5	44	311	**32,11**	**VR373.1K-90L/4-L02**	15230	66		V005
	8,8	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	10,3	**M8 (5m)**	2,2	59	336	**23,58**	**VR373.1K-100L/4a-L04**	13709	70		V006
Ø120	2,2	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	2,5	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	2,8	**M8 (5m)**	0,55	15	330	**94,32**	**VR373.1K-80/4a-L01**	21380	60		V002
	3,3	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	3,9	**M8 (5m)**	0,75	21	324	**67,45**	**VR373.1K-80/4b-L01**	19249	61		V003
	4,6	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	5,0	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	6,4	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	7,4	**M8 (5m)**	1,5	39	344	**35,49**	**VR373.1K-90L/4-L02**	15618	66		V005
	8,2	**M8 (5m)**	1,5	44	311	**32,11**	**VR373.1K-90L/4-L02**	15230	66		V005
	9,6	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	11,2	**M8 (5m)**	2,2	59	336	**23,58**	**VR373.1K-100L/4a-L04**	13709	70		V006
Ø130	2,3	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	2,7	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	3,0	**M8 (5m)**	0,55	15	330	**94,32**	**VR373.1K-80/4a-L01**	21380	60		V002
	3,6	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	4,2	**M8 (5m)**	0,75	21	324	**67,45**	**VR373.1K-80/4b-L01**	19249	61		V003
	4,9	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	5,5	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	6,9	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	8,1	**M8 (5m)**	1,5	39	344	**35,49**	**VR373.1K-90L/4-L02**	15618	66		V005
	8,9	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	10,4	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	12,1	**M8 (5m)**	2,2	59	336	**23,58**	**VR373.1K-100L/4a-L04**	13709	70		V006
Ø140	2,5	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	2,9	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	3,3	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	3,9	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	4,6	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	5,3	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	5,9	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	7,4	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	8,7	**M8 (5m)**	1,5	39	344	**35,49**	**VR373.1K-90L/4-L02**	15618	66		V005
	9,6	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	11,2	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	13,0	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø150	2,7	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	3,1	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	3,5	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	4,2	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	4,9	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	5,7	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	6,3	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	8,0	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	9,3	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	10,3	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	12,0	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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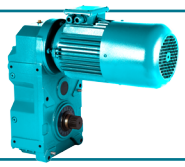
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer **D_T [mm]**	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit **V_h [m/min]**	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* **ISO (FEM)**	Potenza *Power* Leistung **[kW]**	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	Rapporto *Ratio* Übersetzung **i**	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	Peso *Weight* Gewicht ~ **[kg]**	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø150	14,0	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73	214	V007
Ø160	2,9	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	3,3	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	3,7	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	4,4	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	5,2	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	6,1	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	6,7	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	8,5	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	9,9	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	11,0	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	12,8	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	14,9	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø170	3,1	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	3,5	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	4,0	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	4,7	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	5,5	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	6,5	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	7,1	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	9,0	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	10,5	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	11,6	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	13,6	**M8 (5m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	13760	73		V007
	15,8	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø180	3,3	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	3,7	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	4,2	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	5,0	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	5,9	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	6,8	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	7,6	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	9,6	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	11,1	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	12,3	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	14,4	**M8 (5m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	13760	73		V007
	16,8	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	16691	73		V007

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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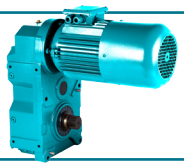

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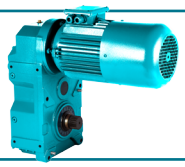
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø170	5,4	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	6,2	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	7,4	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	7,8	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	9,2	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	10,6	**M8 (5m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	46686	107		V013
	12,1	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	13,8	**M7 (4m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	50367	107		V013
	15,8	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	18,0	**M7 (4m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	50385	114		V014
	21,8	**M7 (4m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	49834	124		V015
	26,3	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	12,8	**M8 (5m)**	3,0	24	1129	**58,36**	**VR573.1K-100L/4b-L04**	77055	177	216	V020
	14,4	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	17,5	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184		V021
	19,9	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	22,3	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	26,4	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø180	5,7	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	6,5	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	7,8	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	8,3	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	9,8	**M7 (4m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	49911	105		V012
	11,2	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	12,8	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	14,6	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	16,7	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	19,1	**M7 (4m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	49245	124		V015
	23,1	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	27,8	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	9,0	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174	216	V019
	10,2	**M8 (5m)**	2,2	18	1098	**77,63**	**VR573.1K-100L/4a-L04**	74552	174		V019
	11,5	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	13,6	**M8 (5m)**	3,0	24	1129	**58,36**	**VR573.1K-100L/4b-L04**	77055	177		V020
	15,2	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	18,6	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184		V021
	21,0	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	23,7	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	28,0	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø190	6,0	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	6,9	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	8,2	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	8,7	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	10,3	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	11,8	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	13,5	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	15,4	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	17,6	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	20,1	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	24,4	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	29,4	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	9,5	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174	216	V019
	10,8	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	12,1	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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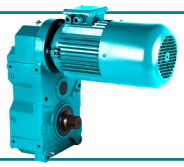
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø190	14,3	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184	216	V021
	16,1	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	19,6	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	22,2	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	25,0	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	29,5	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø200	6,4	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	7,2	**M8 (5m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	42949	105		V012
	8,7	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	9,2	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	10,9	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	12,5	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	14,2	**M7 (4m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	48765	114		V014
	16,2	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	18,6	**M6 (3m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	52174	114		V014
	21,2	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	25,7	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	30,9	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	8,2	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174	216	V019
	10,0	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174		V019
	11,3	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	12,7	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	15,1	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	16,9	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	20,6	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	23,4	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	26,3	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	31,1	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø210	6,7	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	7,6	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	9,1	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	9,6	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	11,4	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	13,1	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	14,9	**M7 (4m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	48765	114		V014
	17,0	**M6 (3m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	51785	114		V014
	19,5	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	22,2	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	26,9	**M6 (3m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	50582	134		V016
	32,4	**M5 (2m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	53176	134		V016
	7,3	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174	216	V019
	8,6	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	10,5	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	11,9	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	13,4	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	15,8	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	17,8	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	21,7	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	24,5	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	27,6	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	32,6	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø220	7,0	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	8,0	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	9,5	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	10,1	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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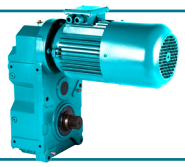
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø220	11,9	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107	215	V013
	13,7	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	15,6	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	17,8	**M6 (3m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	51785	114		V014
	20,4	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	23,3	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	28,2	**M6 (3m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	50582	134		V016
	34,0	**M5 (2m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	53176	134		V016
	5,9	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	6,7	**M8 (5m)**	1,5	9,8	1371	**143,35**	**VR573.1K-90L/4-L02**	63661	170		V018
	7,6	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	9,0	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	11,0	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	12,5	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	14,0	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	16,6	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	18,6	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	22,7	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	25,7	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	28,9	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	34,2	**M8 (5m)**	7,5	49	1380	28,30	**VR573.1K-132M/4-L10**	80199	204		V023
Ø230	7,3	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	8,3	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	10,0	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	10,5	**M7 (4m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	47241	107		V013
	12,5	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	14,3	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014
	16,3	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	18,6	**M6 (3m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	51785	114		V014
	21,3	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	24,4	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	29,5	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	6,2	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	7,1	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	8,0	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	9,4	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	11,5	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	13,0	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	14,7	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	17,3	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	19,5	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	23,7	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	26,9	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	30,2	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	35,7	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø240	7,6	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	8,7	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	10,4	**M7 (4m)**	3,0	14	1943	**101,48**	**VR473.1K-100L/4b-L04**	46336	107		V013
	11,0	**M7 (4m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	47241	107		V013
	13,0	**M6 (3m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	51737	107		V013
	14,9	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014
	17,1	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	19,4	**M6 (3m)**	5,5	26	1924	**54,35**	**VR473.1K-132S/4-L10**	50298	124		V015
	22,3	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	25,4	**M5 (2m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	53641	124		V015
	30,8	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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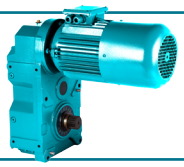
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer **D_T [mm]**	**Velocità di sollevamento** *Lifting Speed* Hubgesch-windigkeit **V_h [m/min]**	**Classe dell'app. di sollevamento** *Crane* Class* Kranklasse* **ISO (FEM)**	**Potenza** *Power* Leistung **[kW]**	**Velocità in uscita** *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	**Coppia in uscita** *Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	**Rapporto** *Ratio* Übersetzung **i**	**Tipo** *Type* Typ	**Carichi radiali ammessi (uscita)** *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	**Peso** *Weight* Gewicht ~ **[kg]**	**Tab. dimensioni** *Dim. Page* Maße Seite	**Rif. prezzo** *Price Ref.* Preis No.
Ø240	6,4	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	7,4	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	8,3	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	9,8	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	12,0	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	13,6	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	15,3	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	18,1	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	20,3	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	24,8	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	28,0	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	31,5	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	37,3	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø110	2,0	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	2,3	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	2,6	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	3,0	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	3,6	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	4,2	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	4,6	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	5,8	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	6,8	**M8 (5m)**	1,5	39	344	**35,49**	**VR373.1K-90L/4-L02**	15618	66		V005
	7,5	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	8,8	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	10,3	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø120	2,2	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	2,5	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	2,8	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	3,3	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	3,9	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	4,6	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	5,0	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	6,4	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	7,4	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	8,2	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	9,6	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	11,2	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø130	2,3	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	2,7	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	3,0	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	3,6	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	4,2	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	4,9	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	5,5	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	6,9	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	8,1	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	8,9	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	10,4	**M8 (5m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	13760	73		V007
	12,1	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø140	2,5	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	2,9	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	3,3	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	3,9	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	4,6	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	5,3	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	5,9	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	7,4	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	8,7	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	9,6	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	11,2	**M8 (5m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	13760	73		V007
	13,0	**M7 (4m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	16691	73		V007
Ø150	2,7	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	3,1	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	3,5	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	4,2	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	4,9	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	5,7	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	6,3	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	8,0	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	9,3	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	10,3	**M8 (5m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	14200	73		V007
	12,0	**M7 (4m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	17307	73		V007

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

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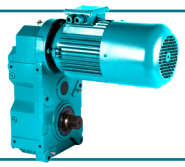
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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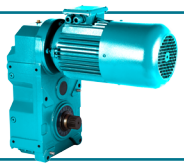
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø150	14,0	**M7 (4m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	16186	77	214	V008
Ø160	2,9	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	3,3	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	3,7	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	4,4	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	5,2	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	6,1	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	6,7	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	8,5	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	9,9	**M7 (4m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	18916	70		V006
	11,0	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	12,8	**M7 (4m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	17307	73		V007
	14,9	**M7 (4m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	16186	77		V008
Ø170	3,1	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	3,5	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	4,0	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	4,7	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	5,5	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	6,5	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	7,1	**M8 (5m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	16381	70		V006
	9,0	**M7 (4m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	19619	70		V006
	10,5	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	11,6	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	13,6	**M7 (4m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	17307	73		V007
	15,8	**M7 (4m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	16186	77		V008
Ø180	3,3	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	3,7	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	4,2	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	5,0	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	5,9	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	6,8	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	7,6	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	9,6	**M7 (4m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	19619	70		V006
	11,1	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	12,3	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	14,4	**M7 (4m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	16719	77		V008
	16,8	**M6 (3m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	20293	77		V008

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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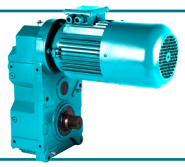
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø170	5,4	**M7 (4m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	47802	101	215	V011
	6,2	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	7,4	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	7,8	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	9,2	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	10,6	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	12,1	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	13,8	**M6 (3m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	51785	114		V014
	15,8	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	18,0	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	21,8	**M6 (3m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	50582	134		V016
	26,3	**M5 (2m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	53176	134		V016
	4,6	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	5,2	**M8 (5m)**	1,5	9,8	1371	**143,35**	**VR573.1K-90L/4-L02**	63661	170		V018
	5,9	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	7,0	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	8,5	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	9,6	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	10,8	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	12,8	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	14,4	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	17,5	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V015
	19,9	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V015
	22,3	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V016
	26,4	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V016
Ø180	5,7	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	6,5	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	7,8	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	8,3	**M7 (4m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	47241	107		V013
	9,8	**M6 (3m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	51737	107		V013
	11,2	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014
	12,8	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	14,6	**M6 (3m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	51785	114		V014
	16,7	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	19,1	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	23,1	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	27,8	**M5 (2m)**	11	49	2033	**28,45**	**VR473.1K-160M/4-L20**	51344	191		V017
	4,8	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	5,5	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	6,2	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	7,4	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	9,0	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	10,2	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	11,5	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	13,6	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	15,2	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	18,6	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	21,0	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	23,7	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	28,0	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø190	6,0	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	6,9	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	8,2	**M7 (4m)**	3,0	14	1943	**101,48**	**VR473.1K-100L/4b-L04**	46336	107		V013
	8,7	**M6 (3m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	50796	107		V013
	10,3	**M6 (3m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	51737	107		V013
	11,8	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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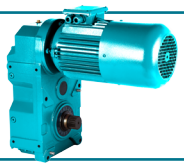
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø190	13,5	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114	215	V014
	15,4	**M6 (3m)**	5,5	26	1924	**54,35**	**VR473.1K-132S/4-L10**	50298	124		V015
	17,6	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	20,1	**M5 (2m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	53641	124		V015
	24,4	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	29,4	**M5 (2m)**	11	49	2033	**28,45**	**VR473.1K-160M/4-L20**	51344	191		V017
	5,1	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	5,8	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	6,6	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	7,8	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	9,5	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	10,8	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	12,1	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	14,3	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	16,1	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	19,6	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	22,2	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	25,0	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	29,5	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø200	6,4	**M4 (1Am)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	62819	105	215	V012
	7,2	**M4 (1Am)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	61623	105		V012
	8,7	**M4 (1Am)**	3,0	14	1943	**101,48**	**VR473.1K-100L/4b-L04**	59170	107		V013
	9,2	**M4 (1Am)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	58839	107		V013
	10,9	**M4 (1Am)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	58418	107		V013
	5,4	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	6,1	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	6,9	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	8,2	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	10,0	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	11,3	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	12,7	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	15,1	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	16,9	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	20,6	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	23,4	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	26,3	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	31,1	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø210	5,6	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	6,4	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	7,3	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	8,6	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	10,5	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	11,9	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	13,4	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	15,8	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	17,8	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	21,7	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	24,5	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	27,6	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	32,6	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø220	5,9	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	6,7	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	7,6	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	9,0	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	11,0	**M8 (5m)**	4,0	16	2256	**87,90**	**VR573.1K-112M/4-L05**	70739	184		V021
	12,5	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer **D_T [mm]**	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit **V_h [m/min]**	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* **ISO (FEM)**	Potenza *Power* Leistung **[kW]**	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	Rapporto *Ratio* Übersetzung **i**	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	Peso *Weight* Gewicht ~ **[kg]**	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø220	14,0	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184	216	V021
	16,6	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	18,6	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	22,7	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	25,7	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	28,9	**M8 (5m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	78174	261		V024
	34,2	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø230	6,2	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	7,1	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	8,0	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	9,4	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	11,5	**M8 (5m)**	4,0	16	2256	**87,90**	**VR573.1K-112M/4-L05**	70739	184		V021
	13,0	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	14,7	**M8 (5m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	73984	194		V022
	17,3	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	19,5	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	23,7	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	26,9	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	30,2	**M8 (5m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	78174	261		V024
	35,7	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø240	6,4	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	7,4	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	8,3	**M8 (5m)**	3,0	11	2431	**126,81**	**VR573.1K-100L/4b-L04**	66248	177		V020
	9,8	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	12,0	**M8 (5m)**	4,0	16	2256	**87,90**	**VR573.1K-112M/4-L05**	70739	184		V021
	13,6	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	15,3	**M8 (5m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	73984	194		V022
	18,1	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	20,3	**M8 (5m)**	7,5	27	2517	**51,97**	**VR573.1K-132M/4-L10**	75954	204		V023
	24,8	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	28,0	**M8 (5m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	76946	261		V024
	31,5	**M8 (5m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	78174	261		V024
	37,3	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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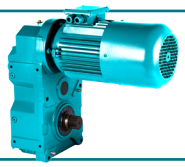
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø130	2,3	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	2,7	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	3,0	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	3,6	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	4,2	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	4,9	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	5,5	**M8 (5m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	16381	70		V006
	6,9	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	8,1	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	8,9	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	10,4	**M7 (4m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	17307	73		V007
	12,1	**M7 (4m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	16186	77		V008
	8,3	**M8 (5m)**	3,0	41	666	**34,28**	**VR473.1K-100L/4b-L04**	49452	107	215	V013
	10,0	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø140	2,5	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	2,9	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	3,3	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	3,9	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	4,6	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	5,3	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	5,9	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	7,4	**M7 (4m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	19619	70		V006
	8,7	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	9,6	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	11,2	**M7 (4m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	16719	77		V008
	13,0	**M6 (3m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	20293	77		V008
	5,7	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105	215	V012
	6,5	**M8 (5m)**	2,2	30	672	**47,37**	**VR473.1K-100L/4a-L04**	49278	105		V012
	7,4	**M8 (5m)**	2,2	34	590	**41,50**	**VR473.1K-100L/4a-L04**	49682	105		V012
	9,0	**M8 (5m)**	3,0	41	666	**34,28**	**VR473.1K-100L/4b-L04**	49452	107		V013
	10,8	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø150	2,7	**M8 (5m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	21453	64	214	V004
	3,1	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	3,5	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	4,2	**M8 (5m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	18822	66		V005
	4,9	**M7 (4m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	22820	66		V005
	5,7	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70		V006
	6,3	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	8,0	**M7 (4m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	19619	70		V006
	9,3	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	10,3	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	12,0	**M6 (3m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	21021	77		V008
	14,0	**M6 (3m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	20293	77		V008
	4,7	**M8 (5m)**	2,2	20	995	**70,59**	**VR473.1K-100L/4a-L04**	47712	105	215	V012
	5,3	**M8 (5m)**	2,2	23	874	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	6,1	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105		V012
	7,0	**M8 (5m)**	2,2	30	672	**47,37**	**VR473.1K-100L/4a-L04**	49278	105		V012
	7,9	**M8 (5m)**	2,2	34	590	**41,50**	**VR473.1K-100L/4a-L04**	49682	105		V012
	9,6	**M8 (5m)**	3,0	41	666	**34,28**	**VR473.1K-100L/4b-L04**	49452	107		V013
	11,6	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø160	2,9	**M8 (5m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	21453	64	214	V004
	3,3	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	3,7	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	4,4	**M7 (4m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	23696	66		V005
	5,2	**M7 (4m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	22820	66		V005

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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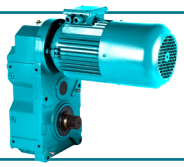
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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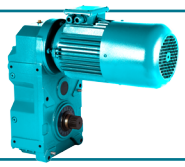
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø160	6,1	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70	214	V006
	6,7	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	8,5	**M7 (4m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	18912	73		V007
	9,9	**M6 (3m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	22953	73		V007
	11,0	**M6 (3m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	22421	73		V007
	12,8	**M6 (3m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	21021	77		V008
	14,9	**M6 (3m)**	5,5	59	840	**23,58**	**VR373.1K-132S/4-L10**	19536	87		V009
	4,3	**M8 (5m)**	2,2	17	1139	**81,00**	**VR473.1K-100L/4a-L04**	47038	105	215	V012
	5,0	**M8 (5m)**	2,2	20	995	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	5,7	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	6,5	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105		V012
	7,4	**M8 (5m)**	2,2	30	672	**47,37**	**VR473.1K-100L/4a-L04**	49278	105		V012
	8,5	**M8 (5m)**	3,0	34	805	**41,50**	**VR473.1K-100L/4b-L04**	49074	107		V013
	10,3	**M8 (5m)**	3,0	41	666	**34,28**	**VR473.1K-100L/4b-L04**	49452	107		V013
	12,4	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø170	3,1	**M8 (5m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	21453	64	214	V004
	3,5	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	4,0	**M7 (4m)**	1,5	15	901	**94,32**	**VR373.1K-90L/4-L02**	24628	66		V004
	4,7	**M7 (4m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	23696	66		V005
	5,5	**M7 (4m)**	2,2	21	950	**67,45**	**VR373.1K-100L/4a-L04**	21821	70		V006
	6,5	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70		V006
	7,1	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	9,0	**M6 (3m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	23776	73		V007
	10,5	**M6 (3m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	22953	73		V007
	11,6	**M6 (3m)**	4,0	44	830	**32,11**	**VR373.1K-112M/4-L05**	21735	77		V008
	13,6	**M6 (3m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	21021	77		V008
	15,8	**M5 (2m)**	5,5	59	840	**23,58**	**VR373.1K-132S/4-L10**	24699	87		V009
	3,7	**M8 (5m)**	1,1	14	712	**101,48**	**VR473.1K-90S/4-L02**	46151	99	215	V010
	3,9	**M8 (5m)**	1,1	15	674	**95,87**	**VR473.1K-90S/4-L02**	47172	99		V010
	4,6	**M8 (5m)**	2,2	17	1139	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	5,3	**M8 (5m)**	2,2	20	995	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	6,0	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	6,9	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105		V012
	7,9	**M8 (5m)**	2,2	30	672	**47,37**	**VR473.1K-100L/4a-L04**	49278	105		V012
	9,0	**M8 (5m)**	3,0	34	805	**41,50**	**VR473.1K-100L/4b-L04**	49074	107		V013
	10,9	**M8 (5m)**	3,0	41	666	**34,28**	**VR473.1K-100L/4b-L04**	49452	107		V013
	13,1	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø180	3,3	**M8 (5m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	21453	64	214	V004
	3,7	**M7 (4m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	26182	64		V004
	4,2	**M7 (4m)**	1,5	15	901	**94,32**	**VR373.1K-90L/4-L02**	24628	66		V005
	5,0	**M7 (4m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	23696	66		V005
	5,9	**M7 (4m)**	2,2	21	950	**67,45**	**VR373.1K-100L/4a-L04**	21821	70		V006
	6,8	**M6 (3m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	26509	70		V006
	7,6	**M6 (3m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	25899	70		V006
	9,6	**M6 (3m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	23776	73		V007
	11,1	**M6 (3m)**	4,0	39	916	**35,49**	**VR373.1K-112M/4-L05**	22195	77		V008
	12,3	**M6 (3m)**	4,0	44	830	**32,11**	**VR373.1K-112M/4-L05**	21735	77		V008
	14,4	**M5 (2m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	26431	77		V008
	3,9	**M8 (5m)**	1,1	14	712	**101,48**	**VR473.1K-90S/4-L02**	46151	99	215	V010
	4,1	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	4,9	**M8 (5m)**	2,2	17	1139	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	5,6	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	6,4	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	7,3	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105		V012

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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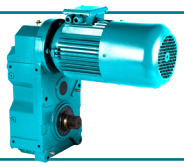
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø180	8,4	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107	215	V013
	9,5	**M8 (5m)**	3,0	34	805	**41,50**	**VR473.1K-100L/4b-L04**	49074	107		V013
	11,5	**M8 (5m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	48823	114		V014
	13,9	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø190	3,4	**M7 (4m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	26995	64	214	V004
	3,9	**M7 (4m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	26182	64		V004
	4,4	**M7 (4m)**	1,5	15	901	**94,32**	**VR373.1K-90L/4-L02**	24628	66		V005
	5,3	**M7 (4m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	23696	66		V005
	6,2	**M6 (3m)**	2,2	21	950	**67,45**	**VR373.1K-100L/4a-L04**	27452	70		V006
	7,2	**M6 (3m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	26509	70		V006
	8,0	**M6 (3m)**	3,0	27	1007	**52,30**	**VR373.1K-100L/4b-L04**	25010	73		V007
	10,1	**M6 (3m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	23776	73		V007
	11,8	**M6 (3m)**	4,0	39	916	**35,49**	**VR373.1K-112M/4-L05**	22195	77		V008
	13,0	**M5 (2m)**	4,0	44	830	**32,11**	**VR373.1K-112M/4-L05**	27400	77		V008
	3,0	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	3,4	**M8 (5m)**	1,1	12	850	**121,49**	**VR473.1K-90S/4-L02**	45356	99		V010
	4,1	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	4,4	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	5,2	**M8 (5m)**	2,2	17	1139	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	5,9	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	6,8	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	7,7	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105		V012
	8,8	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107		V013
	10,1	**M8 (5m)**	3,0	34	805	**41,50**	**VR473.1K-100L/4b-L04**	49074	107		V013
	12,2	**M8 (5m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	48823	114		V014
	14,7	**M8 (5m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	48462	124		V015
Ø200	3,6	**M6 (3m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	33718	64	214	V004
	4,1	**M6 (3m)**	1,5	13	1017	**106,69**	**VR373.1K-90L/4-L02**	31748	66		V005
	4,7	**M5 (2m)**	1,5	15	901	**94,32**	**VR373.1K-90L/4-L02**	38685	66		V005
	5,5	**M5 (2m)**	2,2	18	1114	**79,34**	**VR373.1K-100L/4a-L04**	35869	70		V006
	6,5	**M5 (2m)**	2,2	21	950	**67,45**	**VR373.1K-100L/4a-L04**	34531	70		V006
	7,6	**M5 (2m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	33267	70		V006
	8,4	**M5 (2m)**	3,0	27	1007	**52,30**	**VR373.1K-100L/4b-L04**	31569	73		V007
	10,6	**M4 (1Am)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	37421	73		V007
	12,4	**M4 (1Am)**	4,0	39	916	**35,49**	**VR373.1K-112M/4-L05**	35220	77		V008
	13,7	**M4 (1Am)**	4,0	44	830	**32,11**	**VR373.1K-112M/4-L05**	34375	77		V008
	3,2	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	3,6	**M8 (5m)**	1,1	12	850	**121,49**	**VR473.1K-90S/4-L02**	45356	99		V010
	4,3	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	4,6	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	5,4	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	6,2	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	7,1	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	8,1	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48035	107		V013
	9,3	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107		V013
	10,6	**M8 (5m)**	3,0	34	805	**41,50**	**VR473.1K-100L/4b-L04**	49074	107		V013
	12,8	**M8 (5m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	48823	114		V014
	15,5	**M8 (5m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	48462	124		V015

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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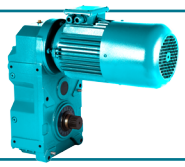
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø230	6,2	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	7,1	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177		V020
	8,0	**M8 (5m)**	3,0	11	2431	**126,81**	**VR573.1K-100L/4b-L04**	66248	177		V020
	9,4	**M8 (5m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	68315	184		V021
	11,5	**M8 (5m)**	4,0	16	2256	**87,90**	**VR573.1K-112M/4-L05**	70739	184		V021
	13,0	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	14,7	**M7 (4m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	79923	194		V022
	17,3	**M7 (4m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	79721	204		V023
	19,5	**M7 (4m)**	7,5	27	2517	**51,97**	**VR573.1K-132M/4-L10**	80944	204		V023
	23,7	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	26,9	**M6 (3m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	85695	261		V024
	30,2	**M6 (3m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	86358	261		V024
	35,7	**M6 (3m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	85625	281		V025
	13,3	**M8 (5m)**	5,5	18	2691	**76,17**	**VR673.1K-132S/4-L10**	114219	292	217	V031
	15,2	**M8 (5m)**	5,5	21	2356	**66,59**	**VR673.1K-132S/4-L10**	115907	292		V031
	17,3	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø240	6,4	**M8 (5m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	54663	177	216	V020
	7,4	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177		V020
	8,3	**M8 (5m)**	3,0	11	2431	**126,81**	**VR573.1K-100L/4b-L04**	66248	177		V020
	9,8	**M8 (5m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	68315	184		V021
	12,0	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	13,6	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	15,3	**M7 (4m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	79923	194		V022
	18,1	**M7 (4m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	79721	204		V023
	20,3	**M7 (4m)**	7,5	27	2517	**51,97**	**VR573.1K-132M/4-L10**	80944	204		V023
	24,8	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	28,0	**M6 (3m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	85695	261		V024
	31,5	**M6 (3m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	86358	261		V024
	37,3	**M6 (3m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	85625	281		V025
	10,3	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292	217	V031
	12,0	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	13,9	**M8 (5m)**	5,5	18	2691	**76,17**	**VR673.1K-132S/4-L10**	114219	292		V031
	15,8	**M8 (5m)**	5,5	21	2356	**66,59**	**VR673.1K-132S/4-L10**	115907	292		V031
	18,0	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø250	6,7	**M8 (5m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	54663	177	216	V020
	7,7	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177		V020
	8,7	**M8 (5m)**	3,0	11	2431	**126,81**	**VR573.1K-100L/4b-L04**	66248	177		V020
	10,3	**M8 (5m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	68315	184		V021
	12,5	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	14,2	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	15,9	**M7 (4m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	79923	194		V022
	18,8	**M7 (4m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	79721	204		V023
	21,1	**M6 (3m)**	7,5	27	2517	**51,97**	**VR573.1K-132M/4-L10**	86182	204		V023
	25,8	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	29,2	**M6 (3m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	85695	261		V024
	32,8	**M6 (3m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	84951	281		V025
	38,8	**M5 (2m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	89793	281		V025
	10,8	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292	217	V031
	12,5	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	14,4	**M8 (5m)**	5,5	18	2691	**76,17**	**VR673.1K-132S/4-L10**	114219	292		V031
	16,5	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	18,8	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø260	7,0	**M8 (5m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	54663	177	216	V020
	8,0	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177		V020
	9,0	**M8 (5m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	64935	184		V021

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø260	10,7	**M7 (4m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	76634	184	216	V021
	13,0	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	14,7	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	16,6	**M7 (4m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	78484	204		V023
	19,6	**M6 (3m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	85434	204		V023
	22,0	**M6 (3m)**	7,5	27	2517	**51,97**	**VR573.1K-132M/4-L10**	86182	204		V023
	26,8	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	30,4	**M6 (3m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	85695	261		V024
	34,2	**M6 (3m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	84951	281		V025
	40,4	**M5 (2m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	89793	281		V025
	9,5	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282	217	V030
	11,2	**M8 (5m)**	4,0	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	13,0	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	15,0	**M8 (5m)**	5,5	18	2691	**76,17**	**VR673.1K-132S/4-L10**	114219	292		V031
	17,2	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	19,5	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø270	7,2	**M8 (5m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	54663	177	216	V020
	8,3	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177		V020
	9,4	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	11,1	**M7 (4m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	76634	184		V021
	13,5	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	15,3	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	17,2	**M7 (4m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	78484	204		V023
	20,3	**M6 (3m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	85434	204		V023
	22,8	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	27,8	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	31,5	**M6 (3m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	85695	261		V024
	35,5	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	41,9	**M5 (2m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	89793	281		V025
	8,8	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282	217	V030
	9,9	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282		V030
	11,6	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	13,5	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	15,6	**M8 (5m)**	5,5	18	2691	**76,17**	**VR673.1K-132S/4-L10**	114219	292		V031
	17,8	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	20,3	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø280	7,5	**M8 (5m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	54663	177	216	V020
	8,6	**M7 (4m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	72735	177		V020
	9,7	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	11,5	**M7 (4m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	76634	184		V021
	14,0	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	15,9	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	17,8	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	21,1	**M6 (3m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	85434	204		V023
	23,7	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	28,9	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	32,7	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	36,8	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	43,5	**M5 (2m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	89793	281		V025
	7,6	**M8 (5m)**	3,0	8,7	3094	**161,66**	**VR673.1K-100L/4b-L04**	102796	275	217	V029
	9,2	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282		V030
	10,3	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282		V030
	12,1	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	14,0	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	16,2	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	18,5	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	21,0	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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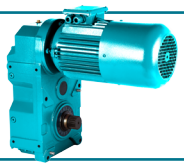
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø290	7,8	**M7 (4m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	68308	177	216	V020
	8,9	**M7 (4m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	71254	184		V021
	10,1	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	11,9	**M7 (4m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	74965	194		V022
	14,5	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	16,4	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	18,5	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	21,8	**M6 (3m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	85434	204		V023
	24,5	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	29,9	**M5 (2m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	90156	261		V024
	33,9	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	38,1	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	45,0	**M5 (2m)**	18,5	49	3404	**28,30**	**VR573.1K-180M/4-L30**	88749	311		V026
	6,0	**M8 (5m)**	2,2	6,6	2979	**213,15**	**VR673.1K-100L/4a-L04**	90128	272	217	V028
	6,7	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	7,9	**M8 (5m)**	3,0	8,7	3094	**161,66**	**VR673.1K-100L/4b-L04**	102796	275		V029
	9,5	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282		V030
	10,6	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282		V030
	12,5	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	14,5	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	16,7	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	19,1	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	21,8	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø300	8,1	**M7 (4m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	68308	177	216	V020
	9,2	**M7 (4m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	71254	184		V021
	10,4	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	12,3	**M7 (4m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	74965	194		V022
	15,0	**M6 (3m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	84567	194		V022
	17,0	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	19,1	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	22,6	**M6 (3m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	83300	261		V024
	25,4	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	30,9	**M5 (2m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	90156	261		V024
	35,0	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	39,4	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	46,6	**M5 (2m)**	18,5	49	3404	**28,30**	**VR573.1K-180M/4-L30**	88749	311		V026
	6,2	**M8 (5m)**	2,2	6,6	2979	**213,15**	**VR673.1K-100L/4a-L04**	90128	272	217	V028
	7,0	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	8,2	**M8 (5m)**	3,0	8,7	3094	**161,66**	**VR673.1K-100L/4b-L04**	102796	275		V029
	9,8	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282		V030
	11,0	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282		V030
	12,9	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	15,0	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	17,3	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	19,8	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	22,5	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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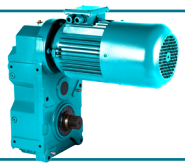

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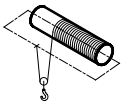

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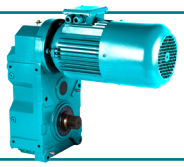
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø170	2,7	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	3,1	**M8 (5m)**	1,1	12	850	**121,49**	**VR473.1K-90S/4-L02**	45356	99		V010
	3,7	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	3,9	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	4,6	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	5,3	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	6,0	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	6,9	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48035	107		V013
	7,9	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107		V013
	9,0	**M8 (5m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	48314	114		V014
	10,9	**M8 (5m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	48823	114		V014
	13,1	**M7 (4m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	50314	124		V015
	11,2	**M8 (5m)**	4,0	42	868	**33,46**	**VR573.1K-112M/4-L05**	80636	184	216	V021
	13,2	**M8 (5m)**	5,5	49	1012	**28,30**	**VR573.1K-132S/4-L10**	80795	194		V022
Ø180	2,9	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	3,3	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	3,9	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	4,1	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	4,9	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	5,6	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	6,4	**M8 (5m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	47404	107		V013
	7,3	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48035	107		V013
	8,4	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107		V013
	9,5	**M8 (5m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	48314	114		V014
	11,5	**M7 (4m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	50778	114		V014
	13,9	**M7 (4m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	50314	124		V015
	10,5	**M8 (5m)**	4,0	37	975	**37,64**	**VR573.1K-112M/4-L05**	79711	184	216	V021
	11,8	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	14,0	**M8 (5m)**	5,5	49	1012	**28,30**	**VR573.1K-132S/4-L10**	80795	194		V022
Ø190	3,0	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	3,4	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	4,1	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	4,4	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	5,2	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	5,9	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	6,8	**M8 (5m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	47404	107		V013
	7,7	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48035	107		V013
	8,8	**M8 (5m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	47720	114		V014
	10,1	**M7 (4m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	50385	114		V014
	12,2	**M7 (4m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	49834	124		V015
	14,7	**M7 (4m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	50314	124		V015
	9,8	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184	216	V021
	11,1	**M8 (5m)**	4,0	37	975	**37,64**	**VR573.1K-112M/4-L05**	79711	184		V021
	12,5	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	14,8	**M8 (5m)**	5,5	49	1012	**28,30**	**VR573.1K-132S/4-L10**	80795	194		V022
Ø200	3,2	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	3,6	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	4,3	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	4,6	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	5,4	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	6,2	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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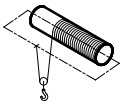

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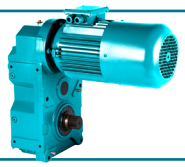
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø200	7,1	**M8 (5m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	47404	107	215	V013
	8,1	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48035	107		V013
	9,3	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	10,6	**M7 (4m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	50385	114		V014
	12,8	**M7 (4m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	49834	124		V015
	15,5	**M7 (4m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	50314	124		V015
	8,5	**M8 (5m)**	3,0	27	1007	**51,97**	**VR573.1K-100L/4b-L04**	78401	177	216	V020
	10,3	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184		V021
	11,7	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	13,1	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	15,5	**M8 (5m)**	5,5	49	1012	**28,30**	**VR573.1K-132S/4-L10**	80795	194		V022
Ø210	3,3	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	3,8	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	4,5	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	4,8	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	5,7	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	6,5	**M8 (5m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	46686	107		V013
	7,5	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	8,5	**M7 (4m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	50367	107		V013
	9,7	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	11,1	**M7 (4m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	50385	114		V014
	13,5	**M7 (4m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	49834	124		V015
	16,2	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	6,7	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177	216	V020
	7,9	**M8 (5m)**	3,0	24	1129	**58,36**	**VR573.1K-100L/4b-L04**	77055	177		V020
	8,9	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	10,8	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184		V021
	12,3	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	13,8	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	16,3	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø220	3,5	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	4,0	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	4,8	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	5,0	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	6,0	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	6,9	**M7 (4m)**	3	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	7,8	**M7 (4m)**	3	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	8,9	**M7 (4m)**	4	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	10,2	**M7 (4m)**	4	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	11,7	**M7 (4m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	49245	124		V015
	14,1	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	17,0	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	7,0	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	73688	177	216	V020
	8,3	**M8 (5m)**	3,0	24	1129	**58,36**	**VR573.1K-100L/4b-L04**	75281	177		V020
	9,3	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	75747	184		V021
	11,3	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	76951	184		V021
	12,8	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	77011	194		V022
	14,5	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	78232	194		V022
	17,1	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	78029	204		V023
Ø230	3,7	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	4,2	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	5,0	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	5,3	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø230	6,2	**M7 (4m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	49911	105	215	V012
	7,2	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	8,2	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	9,3	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	10,7	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	12,2	**M7 (4m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	49245	124		V015
	14,7	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	17,8	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	5,8	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174	216	V019
	6,5	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	7,3	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	8,7	**M8 (5m)**	3,0	24	1129	**58,36**	**VR573.1K-100L/4b-L04**	77055	177		V020
	9,7	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	11,9	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	13,4	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	15,1	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	17,9	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø240	3,8	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	4,3	**M8 (5m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	42949	105		V012
	5,2	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	5,5	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	6,5	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	7,5	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	8,5	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	9,7	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	11,1	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	12,7	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	15,4	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	18,5	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	4,9	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174	216	V019
	6,0	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174		V019
	6,8	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	7,6	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	9,0	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	10,2	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	12,4	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	14,0	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	15,8	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	18,6	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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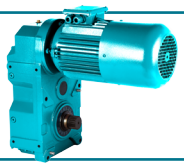
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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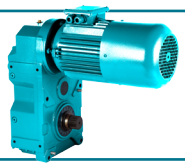
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø110	1,0	**M8 (5m)**	0,37	12	285	**121,67**	**VR373.1K-71/4b-L00**	23314	58	214	V001
	1,1	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	1,3	**M8 (5m)**	0,55	15	330	**94,32**	**VR373.1K-80/4a-L01**	21380	60		V002
	1,5	**M8 (5m)**	0,55	18	279	**79,34**	**VR373.1K-80/4a-L01**	20413	60		V002
	1,8	**M8 (5m)**	0,75	21	324	**67,45**	**VR373.1K-80/4b-L01**	19249	61		V003
	2,1	**M8 (5m)**	0,75	24	278	**57,79**	**VR373.1K-80/4b-L01**	18479	61		V003
	2,3	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	2,9	**M8 (5m)**	1,1	34	294	**41,42**	**VR373.1K-90S/4-L02**	16580	64		V004
	3,4	**M8 (5m)**	1,5	39	344	**35,49**	**VR373.1K-90L/4-L02**	15618	66		V005
	3,8	**M8 (5m)**	1,5	44	311	**32,11**	**VR373.1K-90L/4-L02**	15230	66		V005
	4,4	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	5,1	**M8 (5m)**	2,2	59	336	**23,58**	**VR373.1K-100L/4a-L04**	13709	70		V006
Ø120	1,1	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	1,2	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	1,4	**M8 (5m)**	0,55	15	330	**94,32**	**VR373.1K-80/4a-L01**	21380	60		V002
	1,7	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	2,0	**M8 (5m)**	0,75	21	324	**67,45**	**VR373.1K-80/4b-L01**	19249	61		V003
	2,3	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	2,5	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	3,2	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	3,7	**M8 (5m)**	1,5	39	344	**35,49**	**VR373.1K-90L/4-L02**	15618	66		V005
	4,1	**M8 (5m)**	1,5	44	311	**32,11**	**VR373.1K-90L/4-L02**	15230	66		V005
	4,8	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	5,6	**M8 (5m)**	2,2	59	336	**23,58**	**VR373.1K-100L/4a-L04**	13709	70		V006
Ø130	1,2	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	1,3	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	1,5	**M8 (5m)**	0,55	15	330	**94,32**	**VR373.1K-80/4a-L01**	21380	60		V002
	1,8	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	2,1	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	2,5	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	2,7	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	3,4	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	4,0	**M8 (5m)**	1,5	39	344	**35,49**	**VR373.1K-90L/4-L02**	15618	66		V005
	4,4	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	5,2	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	6,1	**M8 (5m)**	2,2	59	336	**23,58**	**VR373.1K-100L/4a-L04**	13709	70		V006
Ø140	1,3	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	1,4	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	1,6	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	1,9	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	2,3	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	2,7	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	2,9	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	3,7	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	4,3	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	4,8	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	5,6	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	6,5	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø150	1,4	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	1,5	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	1,7	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	2,1	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	2,4	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	2,9	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	3,2	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	4,0	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	4,6	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	5,1	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	6,0	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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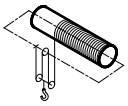

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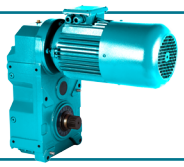
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer **D_T [mm]**	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit **V_h [m/min]**	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* **ISO (FEM)**	Potenza *Power* Leistung **[kW]**	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	Rapporto *Ratio* Übersetzung **i**	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	Peso *Weight* Gewicht ~ **[kg]**	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø150	7,0	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73	214	V007
Ø160	1,4	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	1,6	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	1,9	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	2,2	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	2,6	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	3,0	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	3,4	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	4,2	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	5,0	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	5,5	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	6,4	**M8 (5m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	13760	73		V007
	7,5	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø170	1,5	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	1,8	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	2,0	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	2,4	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	2,8	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	3,2	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	3,6	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	4,5	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	5,3	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	5,8	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	6,8	**M8 (5m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	13760	73		V007
	7,9	**M7 (4m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	16691	73		V007
Ø180	1,6	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	1,9	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	2,1	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	2,5	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	2,9	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	3,4	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	3,8	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	4,8	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	5,6	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	6,2	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	7,2	**M7 (4m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	17307	73		V007
	8,4	**M7 (4m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	16691	73		V007

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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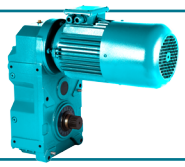
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø270	8,3	**M7 (4m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	71254	184	216	V021
	9,4	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	11,1	**M6 (3m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	84124	194		V022
	13,5	**M6 (3m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	82740	204		V023
	15,3	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	17,2	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	20,3	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	22,8	**M5 (2m**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	89973	261		V024
	27,8	**M5 (2m**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	88370	281		V025
	31,5	**M5 (2m**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	35,5	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	41,9	**M4 (1Am)**	18,5	49	3404	**28,30**	**VR573.1K-180M/4-L30**	93109	311		V026
	5,6	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	6,3	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	7,3	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	8,8	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282		V030
	9,9	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	11,6	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	13,5	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	15,6	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	17,8	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	20,3	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø280	8,6	**M6 (3m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	84324	184	216	V021
	9,7	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	11,5	**M6 (3m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	84124	194		V022
	14,0	**M6 (3m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	82740	204		V023
	15,9	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	17,8	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	21,1	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	23,7	**M5 (2m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	89973	261		V024
	28,9	**M5 (2m)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	88370	281		V025
	32,7	**M4 (1Am)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	93983	281		V025
	36,8	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	43,5	**M4 (1Am)**	18,5	49	3404	**28,30**	**VR573.1K-180M/4-L30**	93109	311		V026
	5,8	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	6,5	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	7,6	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	9,2	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282		V030
	10,3	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	12,1	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	14,0	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	16,2	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	18,5	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	21,0	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø290	8,9	**M6 (3m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	84324	184	216	V021
	10,1	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	11,9	**M6 (3m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	84124	194		V022
	14,5	**M6 (3m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	82740	204		V023
	16,4	**M5 (2m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	91634	204		V023
	18,5	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	21,8	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	24,5	**M5 (2m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	89973	261		V024
	29,9	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	33,9	**M4 (1Am)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	93983	281		V025
	38,1	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	45,0	**M4 (1Am)**	22	49	4048	**28,30**	**VR573.1K-180L/4-L30**	92065	320		V027

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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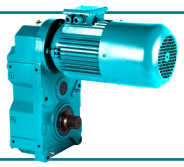
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø290	6,0	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	6,7	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	7,9	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	9,5	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	10,6	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	12,5	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	14,5	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	16,7	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	19,1	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	21,8	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø300	9,2	**M6 (3m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	84324	184	216	V021
	10,4	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	12,3	**M6 (3m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	84124	194		V022
	15,0	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	17,0	**M5 (2m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	91634	204		V023
	19,1	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	22,6	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	25,4	**M5 (2m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	89973	261		V024
	30,9	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	35,0	**M4 (1Am)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	93983	281		V025
	39,4	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	46,6	**M4 (1Am)**	22	49	4048	**28,30**	**VR573.1K-180L/4-L30**	92065	320		V027
	6,2	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	7,0	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	8,2	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	9,8	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	11,0	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	12,9	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	15,0	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	17,3	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	19,8	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	22,5	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø310	9,5	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	10,7	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	12,7	**M6 (3m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	84124	194		V022
	15,5	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	17,6	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	19,8	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	23,4	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	26,2	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	32,0	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	36,2	**M4 (1Am)**	18,5	37	4511	**37,64**	**VR573.1K-180M/4-L30**	92600	311		V026
	40,7	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	48,2	**M4 (1Am)**	22	49	4048	**28,30**	**VR573.1K-180L/4-L30**	92065	320		V027
	6,4	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	7,2	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	8,4	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	10,1	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	11,4	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	13,3	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	15,5	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	17,9	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	20,5	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	23,3	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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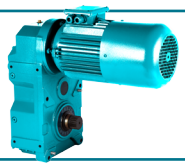
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø320	9,8	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	11,1	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	13,1	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	16,0	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	18,1	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	20,4	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	24,1	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	27,1	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	33,0	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	6,6	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	7,4	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	8,7	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	10,5	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	11,7	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	13,8	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	16,0	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	18,5	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	21,1	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	24,0	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø330	10,1	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194		V022
	11,4	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	13,5	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	16,5	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	18,7	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	21,0	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	24,9	**M4 (1Am)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	96227	261		V024
	27,9	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	34,0	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	6,8	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	7,7	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	9,0	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	10,8	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	12,1	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	14,2	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	16,5	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	19,0	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	21,8	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	24,8	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø340	10,4	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	11,8	**M5 (2m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	95998	194		V022
	13,9	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	17,0	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	19,3	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	21,7	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	25,6	**M4 (1Am)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	96227	261		V024
	28,8	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	35,1	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	7,0	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	7,9	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	9,2	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	11,1	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	12,5	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	14,6	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	17,0	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	19,6	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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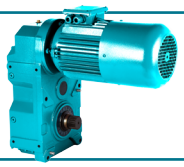
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer **D_T [mm]**	**Velocità di sollevamento** *Lifting Speed* Hubgesch-windigkeit **V_h [m/min]**	**Classe dell'app. di sollevamento** *Crane* Class* Kranklasse* **ISO (FEM)**	**Potenza** *Power* Leistung **[kW]**	**Velocità in uscita** *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	**Coppia in uscita** *Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	**Rapporto** *Ratio* Übersetzung **i**	**Tipo** *Type* Typ	**Carichi radiali ammessi (uscita)** *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	**Peso** *Weight* Gewicht ~ **[kg]**	**Tab. dimensioni** *Dim. Page* Maße Seite	**Rif. prezzo** *Price Ref.* Preis No.
Ø340	22,4	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359	217	V033
	25,5	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø170	2,7	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	3,1	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	3,7	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	3,9	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	4,6	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	5,3	**M8 (5m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	46686	107		V013
	6,0	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	6,9	**M7 (4m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	50367	107		V013
	7,9	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	9,0	**M7 (4m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	50385	114		V014
	10,9	**M7 (4m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	49834	124		V015
	13,1	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	5,4	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177	216	V020
	6,4	**M8 (5m)**	3,0	24	1129	**58,36**	**VR573.1K-100L/4b-L04**	77055	177		V020
	7,2	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	8,8	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184		V021
	9,9	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	11,2	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	13,2	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø180	2,9	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	3,3	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	3,9	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	4,1	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	4,9	**M7 (4m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	49911	105		V012
	5,6	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	6,4	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	7,3	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	8,4	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	9,5	**M7 (4m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	49245	124		V015
	11,5	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	13,9	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	4,5	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174	216	V019
	5,1	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	5,7	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	6,8	**M8 (5m)**	3,0	24	1129	**58,36**	**VR573.1K-100L/4b-L04**	77055	177		V020
	7,6	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	9,3	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184		V021
	10,5	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	11,8	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	14,0	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø190	3,0	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	3,4	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	4,1	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	4,4	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	5,2	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	5,9	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	6,8	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	7,7	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	8,8	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	10,1	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	12,2	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	14,7	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	4,8	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174	216	V019
	5,4	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

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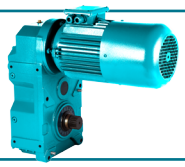
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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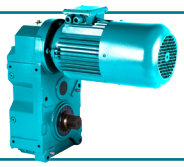
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø190	6,1	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177	216	V020
	7,2	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	8,0	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	9,8	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	11,1	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	12,5	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	14,8	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø200	3,2	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	42949	101	215	V011
	3,6	**M8 (5m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47804	105		V012
	4,3	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	48629	105		V012
	4,6	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	50480	105		V012
	5,4	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	6,2	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	7,1	**M7 (4m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	48765	114		V014
	8,1	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	9,3	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	10,6	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	12,8	**M6 (3m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	50582	134		V016
	15,5	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	5,0	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174	216	V019
	5,7	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	6,4	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	7,5	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	8,5	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	10,3	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	11,7	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	13,1	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	15,5	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø210	3,3	**M7 (4m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	47802	101	215	V011
	3,8	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	4,5	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	4,8	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	5,7	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	6,5	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	7,5	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	8,5	**M6 (3m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	51785	114		V014
	9,7	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	11,1	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	13,5	**M6 (3m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	50582	134		V016
	16,2	**M5 (2m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	53176	134		V016
	2,8	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	3,2	**M8 (5m)**	1,5	9,8	1371	**143,35**	**VR573.1K-90L/4-L02**	63661	170		V018
	3,6	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	4,3	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	5,3	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	5,9	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	6,7	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	7,9	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	8,9	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	10,8	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	12,3	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	13,8	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	16,3	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø220	3,5	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	4,0	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø220	4,8	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105	215	V012
	5,0	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	6,0	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	6,9	**M6 (3m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	52125	107		V013
	7,8	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	8,9	**M6 (3m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	51785	114		V014
	10,2	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	11,7	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	14,1	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	17,0	**M5 (2m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	53176	134		V016
	3,0	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	3,4	**M8 (5m)**	1,5	9,8	1371	**143,35**	**VR573.1K-90L/4-L02**	63661	170	216	V018
	3,8	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	4,5	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	5,5	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	6,2	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	7,0	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	8,3	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	9,3	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	11,3	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	12,8	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	14,5	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	17,1	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø230	3,7	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	4,2	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	5,0	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	5,3	**M7 (4m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	47241	107		V013
	6,2	**M6 (3m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	51737	107		V013
	7,2	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014
	8,2	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	9,3	**M6 (3m)**	5,5	26	1924	**54,35**	**VR473.1K-132S/4-L10**	50298	124		V015
	10,7	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	12,2	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	14,7	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	3,1	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	3,5	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	4,0	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	4,7	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	5,8	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	6,5	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	7,3	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	8,7	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	9,7	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	11,9	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	13,4	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	15,1	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	17,9	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø240	3,8	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	4,3	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	5,2	**M7 (4m)**	3,0	14	1943	**101,48**	**VR473.1K-100L/4b-L04**	46336	107		V013
	5,5	**M6 (3m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	50796	107		V013
	6,5	**M6 (3m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	51737	107		V013
	7,5	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014
	8,5	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	9,7	**M6 (3m)**	5,5	26	1924	**54,35**	**VR473.1K-132S/4-L10**	50298	124		V015
	11,1	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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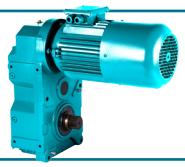

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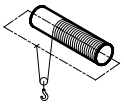

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer **D_T [mm]**	**Velocità di sollevamento** *Lifting Speed* Hubgesch-windigkeit **V_h [m/min]**	**Classe dell'app. di sollevamento** *Crane* Class* Kranklasse* **ISO (FEM)**	**Potenza** *Power* Leistung **[kW]**	**Velocità in uscita** *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	**Coppia in uscita** *Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	**Rapporto** *Ratio* Übersetzung **i**	**Tipo** *Type* Typ	**Carichi radiali ammessi (uscita)** *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	**Peso** *Weight* Gewicht ~ **[kg]**	**Tab. dimensioni** *Dim. Page* Maße Seite	**Rif. prezzo** *Price Ref.* Preis No.
Ø240	12,7	**M5 (2m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	53641	124	215	V015
	15,4	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	3,7	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174	216	V019
	4,2	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	4,9	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	6,0	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	6,8	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	7,6	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	9,0	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	10,2	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	12,4	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	14,0	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	15,8	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	18,6	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024

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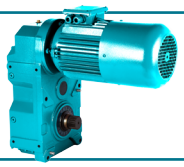

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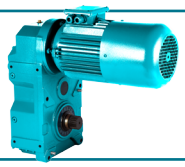
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø110	1,0	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	1,1	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	1,3	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	1,5	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	1,8	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	2,1	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	2,3	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	2,9	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	3,4	**M8 (5m)**	1,5	39	344	**35,49**	**VR373.1K-90L/4-L02**	15618	66		V005
	3,8	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	4,4	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	5,1	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø120	1,1	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	1,2	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	1,4	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	1,7	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	2,0	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	2,3	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	2,5	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	3,2	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	3,7	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	4,1	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	4,8	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	5,6	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø130	1,2	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	1,3	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	1,5	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	1,8	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	2,1	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	2,5	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	2,7	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	3,4	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	4,0	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	4,4	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	5,2	**M8 (5m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	13760	73		V007
	6,1	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø140	1,3	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	1,4	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	1,6	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	1,9	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	2,3	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	2,7	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	2,9	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	3,7	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	4,3	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	4,8	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	5,6	**M8 (5m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	13760	73		V007
	6,5	**M7 (4m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	16691	73		V007
Ø150	1,4	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	1,5	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	1,7	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	2,1	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	2,4	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	2,9	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	3,2	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	4,0	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	4,6	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	5,1	**M8 (5m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	14200	73		V007
	6,0	**M7 (4m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	17307	73		V007

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer **D_T [mm]**	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit **V_h [m/min]**	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* **ISO (FEM)**	Potenza *Power* Leistung **[kW]**	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	Rapporto *Ratio* Übersetzung **i**	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	Peso *Weight* Gewicht ~ **[kg]**	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø150	7,0	**M7 (4m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	16186	77	214	V008
Ø160	1,4	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	1,6	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	1,9	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	2,2	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	2,6	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	3,0	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	3,4	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	4,2	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	5,0	**M7 (4m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	18916	70		V006
	5,5	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	6,4	**M7 (4m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	17307	73		V007
	7,5	**M7 (4m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	16186	77		V008
Ø170	1,5	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	1,8	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	2,0	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	2,4	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	2,8	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	3,2	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	3,6	**M8 (5m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	16381	70		V006
	4,5	**M7 (4m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	19619	70		V006
	5,3	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	5,8	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	6,8	**M7 (4m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	17307	73		V007
	7,9	**M6 (3m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	20293	77		V008
Ø180	1,6	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	1,9	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	2,1	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	2,5	**M8 (5m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	18822	66		V005
	2,9	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	3,4	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70		V006
	3,8	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	4,8	**M7 (4m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	19619	70		V006
	5,6	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	6,2	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	7,2	**M6 (3m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	21021	77		V008
	8,4	**M6 (3m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	20293	77		V008

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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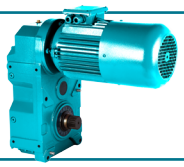
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø270	8,3	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	9,4	**M5 (2m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	95998	194		V022
	11,1	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	13,5	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	15,3	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	17,2	**M4 (1Am)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	96732	261		V024
	20,3	**M4 (1Am)**	15	24	5646	**58,36**	**VR573.1K-160L/4-L20**	93788	281		V025
	22,8	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	27,8	**M4 (1Am)**	18,5	33	5099	**42,62**	**VR573.1K-180M/4-L30**	92304	311		V026
	31,5	**M4 (1Am)**	18,5	37	4511	**37,64**	**VR573.1K-180M/4-L30**	92600	311		V026
	5,6	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	6,3	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	7,3	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	8,8	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	9,9	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	11,6	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	13,5	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	15,6	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	17,8	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	20,3	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø280	8,6	**M5 (2m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	97770	194	216	V022
	9,7	**M5 (2m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	95998	194		V022
	11,5	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	14,0	**M5 (2m)**	11	16	6203	**87,90**	**VR573.1K-160M/4-L20**	88428	261		V024
	15,9	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	17,8	**M4 (1Am)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	96732	261		V024
	21,1	**M4 (1Am)**	15	24	5646	**58,36**	**VR573.1K-160L/4-L20**	93788	281		V025
	23,7	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	28,9	**M4 (1Am)**	18,5	33	5099	**42,62**	**VR573.1K-180M/4-L30**	92304	311		V026
	5,8	**M8 (5m)**	4,0	8,5	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	6,5	**M8 (5m)**	4,0	9,8	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	7,6	**M8 (5m)**	5,5	11	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	9,2	**M8 (5m)**	5,5	13	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	10,3	**M8 (5m)**	7,5	16	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	12,1	**M8 (5m)**	7,5	18	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	14,0	**M8 (5m)**	11	20	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	16,2	**M8 (5m)**	11	24	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	18,5	**M8 (5m)**	11	27	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	21,0	**M8 (5m)**	15	33	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø290	6,0	**M8 (5m)**	4,0	8,5	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	6,7	**M8 (5m)**	4,0	9,8	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	7,9	**M8 (5m)**	5,5	11	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	9,5	**M8 (5m)**	5,5	13	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	10,6	**M8 (5m)**	7,5	16	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	12,5	**M8 (5m)**	7,5	18	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	14,5	**M8 (5m)**	11	20	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	16,7	**M8 (5m)**	11	24	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	19,1	**M8 (5m)**	11	27	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	21,8	**M8 (5m)**	15	33	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø300	6,2	**M8 (5m)**	4,0	8,5	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	7,0	**M8 (5m)**	4,0	9,8	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	8,2	**M8 (5m)**	5,5	11	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	9,8	**M8 (5m)**	5,5	13	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	11,0	**M8 (5m)**	7,5	16	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	12,9	**M8 (5m)**	7,5	18	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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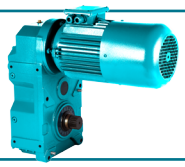
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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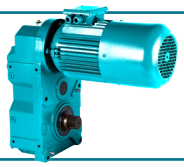
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø300	15,0	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359	217	V033
	17,3	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	19,8	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	22,5	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø320	6,6	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	7,4	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	8,7	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	10,5	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	11,7	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	13,8	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	16,0	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	18,5	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	21,1	**M8 (5m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	110559	379		V034
	24,0	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø340	7,0	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	7,9	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	9,2	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	11,1	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	12,5	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	14,6	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	17,0	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	19,6	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	22,4	**M8 (5m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	110559	379		V034
	25,5	**M7 (4m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	119544	379		V034
Ø360	7,4	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	8,3	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	9,8	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	11,8	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	13,2	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	15,5	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	18,0	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	20,8	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	23,8	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	27,0	**M7 (4m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	119544	379		V034
Ø380	7,8	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	8,8	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	10,3	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	12,4	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	13,9	**M8 (5m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	101816	359		V033
	16,4	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	19,0	**M7 (4m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	117080	359		V033
	21,9	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	25,1	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	28,5	**M7 (4m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	117809	408		V035

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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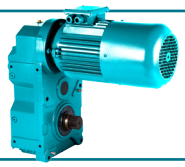
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø170	2,7	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	3,1	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	3,7	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	3,9	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	4,6	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	5,3	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	6,0	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	6,9	**M6 (3m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	51785	114		V014
	7,9	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	9,0	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	10,9	**M6 (3m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	50582	134		V016
	13,1	**M5 (2m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	53176	134		V016
	2,3	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	2,6	**M8 (5m)**	1,5	9,8	1371	**143,35**	**VR573.1K-90L/4-L02**	63661	170		V018
	2,9	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	3,5	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	4,3	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	4,8	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	5,4	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	6,4	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	7,2	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	8,8	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	9,9	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	11,2	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	13,2	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø180	2,9	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	3,3	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	3,9	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	4,1	**M7 (4m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	47241	107		V013
	4,9	**M6 (3m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	51737	107		V013
	5,6	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014
	6,4	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	7,3	**M6 (3m)**	5,5	26	1924	**54,35**	**VR473.1K-132S/4-L10**	50298	124		V015
	8,4	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	9,5	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	11,5	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	13,9	**M5 (2m)**	11	49	2033	**28,45**	**VR473.1K-160M/4-L20**	51344	191		V017
	2,4	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	2,8	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	3,1	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	3,7	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	4,5	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	5,1	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	5,7	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	6,8	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	7,6	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	9,3	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	10,5	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	11,8	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	14,0	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø190	3,0	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	3,4	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	4,1	**M7 (4m)**	3,0	14	1943	**101,48**	**VR473.1K-100L/4b-L04**	46336	107		V013
	4,4	**M6 (3m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	50796	107		V013
	5,2	**M6 (3m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	51737	107		V013
	5,9	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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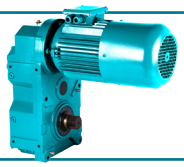
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø190	6,8	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114	215	V014
	7,7	**M6 (3m)**	5,5	26	1924	**54,35**	**VR473.1K-132S/4-L10**	50298	124		V015
	8,8	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	10,1	**M5 (2m)**	7,5	34	2012	**41,50**	**VR473.1K-132M/4-L10**	52121	134		V016
	12,2	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	14,7	**M5 (2m)**	11	49	2033	**28,45**	**VR473.1K-160M/4-L20**	51344	191		V017
	2,6	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	2,9	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	3,3	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	3,9	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	4,8	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	5,4	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	6,1	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	7,2	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	8,0	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	9,8	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	11,1	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	12,5	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	14,8	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø200	3,2	**M4 (1Am)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	62819	105	215	V012
	2,7	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	3,1	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	3,5	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	4,1	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	5,0	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	5,7	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	6,4	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	7,5	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	8,5	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	10,3	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	11,7	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	13,1	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	15,5	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø210	2,8	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	3,2	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	3,6	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	4,3	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	5,3	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	5,9	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	6,7	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	7,9	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	8,9	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	10,8	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	12,3	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	13,8	**M8 (5m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	78174	261		V024
	16,3	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø220	3,0	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	3,4	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	3,8	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	4,5	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	5,5	**M8 (5m)**	4,0	16	2256	**87,90**	**VR573.1K-112M/4-L05**	70739	184		V021
	6,2	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	7,0	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	8,3	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	9,3	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	11,3	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	12,8	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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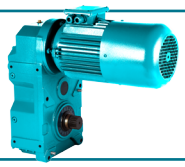
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø220	14,5	**M8 (5m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	78174	261	216	V024
	17,1	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø230	3,1	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	3,5	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	4,0	**M8 (5m)**	3,0	11	2431	**126,81**	**VR573.1K-100L/4b-L04**	66248	177		V020
	4,7	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	5,8	**M8 (5m)**	4,0	16	2256	**87,90**	**VR573.1K-112M/4-L05**	70739	184		V021
	6,5	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	7,3	**M8 (5m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	73984	194		V022
	8,7	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	9,7	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	11,9	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	13,4	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	15,1	**M8 (5m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	78174	261		V024
	17,9	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø240	3,2	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	3,7	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	4,2	**M8 (5m)**	3,0	11	2431	**126,81**	**VR573.1K-100L/4b-L04**	66248	177		V020
	4,9	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	6,0	**M8 (5m)**	4,0	16	2256	**87,90**	**VR573.1K-112M/4-L05**	70739	184		V021
	6,8	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	7,6	**M8 (5m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	73984	194		V022
	9,0	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	10,2	**M8 (5m)**	7,5	27	2517	**51,97**	**VR573.1K-132M/4-L10**	75954	204		V023
	12,4	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	14,0	**M8 (5m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	76946	261		V024
	15,8	**M8 (5m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	78174	261		V024
	18,6	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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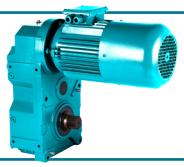
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø130	1,2	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	1,3	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	1,5	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	1,8	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	2,1	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	2,5	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	2,7	**M8 (5m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	16381	70		V006
	3,4	**M7 (4m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	19619	70		V006
	4,0	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	4,4	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	5,2	**M7 (4m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	17307	73		V007
	6,1	**M7 (4m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	16186	77		V008
	3,0	**M8 (5m)**	2,2	30	672	**47,37**	**VR473.1K-100L/4a-L04**	49278	105	215	V012
	3,4	**M8 (5m)**	2,2	34	590	**41,50**	**VR473.1K-100L/4a-L04**	49682	105		V012
	4,2	**M8 (5m)**	3,0	41	666	**34,28**	**VR473.1K-100L/4b-L04**	49452	107		V013
	5,0	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø140	1,3	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	1,4	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	1,6	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	1,9	**M8 (5m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	18822	66		V005
	2,3	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	2,7	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70		V006
	2,9	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	3,7	**M7 (4m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	19619	70		V006
	4,3	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	4,8	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	5,6	**M7 (4m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	16719	77		V008
	6,5	**M6 (3m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	20293	77		V008
	2,5	**M8 (5m)**	2,2	23	874	**61,85**	**VR473.1K-100L/4a-L04**	48305	105	215	V012
	2,8	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105		V012
	3,2	**M8 (5m)**	2,2	30	672	**47,37**	**VR473.1K-100L/4a-L04**	49278	105		V012
	3,7	**M8 (5m)**	2,2	34	590	**41,50**	**VR473.1K-100L/4a-L04**	49682	105		V012
	4,5	**M8 (5m)**	3,0	41	666	**34,28**	**VR473.1K-100L/4b-L04**	49452	107		V013
	5,4	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø150	1,4	**M8 (5m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	21453	64	214	V004
	1,5	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	1,7	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	2,1	**M8 (5m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	18822	66		V005
	2,4	**M7 (4m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	22820	66		V005
	2,9	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70		V006
	3,2	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	4,0	**M7 (4m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	18912	73		V007
	4,6	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	5,1	**M6 (3m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	22421	73		V007
	6,0	**M6 (3m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	21021	77		V008
	7,0	**M6 (3m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	20293	77		V008
	2,3	**M8 (5m)**	2,2	20	995	**70,59**	**VR473.1K-100L/4a-L04**	47712	105	215	V012
	2,7	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	3,0	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105		V012
	3,5	**M8 (5m)**	2,2	30	672	**47,37**	**VR473.1K-100L/4a-L04**	49278	105		V012
	4,0	**M8 (5m)**	3,0	34	805	**41,50**	**VR473.1K-100L/4b-L04**	49074	107		V013
	4,8	**M8 (5m)**	3,0	41	666	**34,28**	**VR473.1K-100L/4b-L04**	49452	107		V013
	5,8	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø160	1,4	**M8 (5m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	21453	64	214	V004
	1,6	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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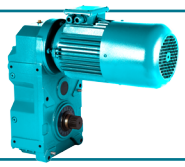
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø160	1,9	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64	214	V004
	2,2	**M7 (4m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	23696	66		V005
	2,6	**M7 (4m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	22820	66		V005
	3,0	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70		V006
	3,4	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	4,2	**M7 (4m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	18912	73		V007
	5,0	**M6 (3m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	22953	73		V007
	5,5	**M6 (3m)**	4,0	44	830	**32,11**	**VR373.1K-112M/4-L05**	21735	77		V008
	6,4	**M6 (3m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	21021	77		V008
	7,5	**M6 (3m)**	5,5	59	840	**23,58**	**VR373.1K-132S/4-L10**	19536	87		V009
	2,2	**M8 (5m)**	2,2	17	1139	**81,00**	**VR473.1K-100L/4a-L04**	47038	105	215	V012
	2,5	**M8 (5m)**	2,2	20	995	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	2,8	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	3,2	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105		V012
	3,7	**M8 (5m)**	2,2	30	672	**47,37**	**VR473.1K-100L/4a-L04**	49278	105		V012
	4,2	**M8 (5m)**	3,0	34	805	**41,50**	**VR473.1K-100L/4b-L04**	49074	107		V013
	5,1	**M8 (5m)**	3,0	41	666	**34,28**	**VR473.1K-100L/4b-L04**	49452	107		V013
	6,2	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø170	1,5	**M8 (5m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	21453	64	214	V004
	1,8	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	2,0	**M7 (4m)**	1,5	15	901	**94,32**	**VR373.1K-90L/4-L02**	24628	66		V005
	2,4	**M7 (4m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	23696	66		V005
	2,8	**M7 (4m)**	2,2	21	950	**67,45**	**VR373.1K-100L/4a-L04**	21821	70		V006
	3,2	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70		V006
	3,6	**M6 (3m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	25899	70		V006
	4,5	**M6 (3m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	23776	73		V007
	5,3	**M6 (3m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	22953	73		V007
	5,8	**M6 (3m)**	4,0	44	830	**32,11**	**VR373.1K-112M/4-L05**	21735	77		V008
	6,8	**M6 (3m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	21021	77		V008
	7,9	**M5 (2m)**	5,5	59	840	**23,58**	**VR373.1K-132S/4-L10**	24699	87		V009
	1,9	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101	215	V011
	2,3	**M8 (5m)**	2,2	17	1139	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	2,6	**M8 (5m)**	2,2	20	995	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	3,0	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	3,4	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105		V012
	3,9	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107		V013
	4,5	**M8 (5m)**	3,0	34	805	**41,50**	**VR473.1K-100L/4b-L04**	49074	107		V013
	5,5	**M8 (5m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	48823	114		V014
	6,6	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø180	1,6	**M8 (5m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	21453	64	214	V004
	1,9	**M7 (4m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	26182	64		V004
	2,1	**M7 (4m)**	1,5	15	901	**94,32**	**VR373.1K-90L/4-L02**	24628	66		V005
	2,5	**M7 (4m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	23696	66		V005
	2,9	**M7 (4m)**	2,2	21	950	**67,45**	**VR373.1K-100L/4a-L04**	21821	70		V006
	3,4	**M6 (3m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	26509	70		V006
	3,8	**M6 (3m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	25899	70		V006
	4,8	**M6 (3m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	23776	73		V007
	5,6	**M6 (3m)**	4,0	39	916	**35,49**	**VR373.1K-112M/4-L05**	22195	77		V008
	6,2	**M6 (3m)**	4,0	44	830	**32,11**	**VR373.1K-112M/4-L05**	21735	77		V008
	1,9	**M8 (5m)**	1,1	14	712	**101,48**	**VR473.1K-90S/4-L02**	46151	99	215	V010
	2,1	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	2,4	**M8 (5m)**	2,2	17	1139	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	2,8	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	3,2	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	3,6	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105		V012

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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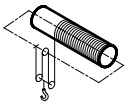

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø180	4,2	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107	215	V013
	4,8	**M8 (5m)**	3,0	34	805	**41,50**	**VR473.1K-100L/4b-L04**	49074	107		V013
	5,8	**M8 (5m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	48823	114		V014
	7,0	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø190	1,7	**M7 (4m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	26995	64	214	V004
	2,0	**M7 (4m)**	1,5	13	1017	**106,69**	**VR373.1K-90L/4-L02**	25285	66		V005
	2,2	**M7 (4m)**	1,5	15	901	**94,32**	**VR373.1K-90L/4-L02**	24628	66		V005
	2,6	**M6 (3m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	29608	66		V005
	3,1	**M6 (3m)**	2,2	21	950	**67,45**	**VR373.1K-100L/4a-L04**	27452	70		V006
	3,6	**M6 (3m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	26509	70		V006
	4,0	**M6 (3m)**	3,0	27	1007	**52,30**	**VR373.1K-100L/4b-L04**	25010	73		V007
	5,0	**M5 (2m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	29891	73		V007
	5,9	**M5 (2m)**	4,0	39	916	**35,49**	**VR373.1K-112M/4-L05**	28032	77		V008
	6,5	**M5 (2m)**	4,0	44	830	**32,11**	**VR373.1K-112M/4-L05**	27400	77		V008
	1,5	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	1,7	**M8 (5m)**	1,1	12	850	**121,49**	**VR473.1K-90S/4-L02**	45356	99		V010
	2,1	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	2,2	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	2,6	**M8 (5m)**	2,2	17	1139	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	3,0	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	3,4	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	3,8	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105		V012
	4,4	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107		V013
	5,0	**M8 (5m)**	3,0	34	805	**41,50**	**VR473.1K-100L/4b-L04**	49074	107		V013
	6,1	**M8 (5m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	48823	114		V014
	7,3	**M8 (5m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	48462	124		V015
Ø200	1,8	**M6 (3m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	33718	64	214	V004
	2,1	**M5 (2m)**	1,5	13	1017	**106,69**	**VR373.1K-90L/4-L02**	39872	66		V005
	2,3	**M5 (2m)**	1,5	15	901	**94,32**	**VR373.1K-90L/4-L02**	38685	66		V005
	2,8	**M5 (2m)**	2,2	18	1114	**79,34**	**VR373.1K-100L/4a-L04**	35869	70		V006
	3,3	**M5 (2m)**	2,2	21	950	**67,45**	**VR373.1K-100L/4a-L04**	34531	70		V006
	3,8	**M4 (1Am)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	41589	70		V006
	4,2	**M4 (1Am)**	3,0	27	1007	**52,30**	**VR373.1K-100L/4b-L04**	39645	73		V007
	5,3	**M4 (1Am)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	37421	73		V007
	6,2	**M4 (1Am)**	4,0	39	916	**35,49**	**VR373.1K-112M/4-L05**	35220	77		V008
	6,8	**M4 (1Am)**	4,0	44	830	**32,11**	**VR373.1K-112M/4-L05**	34375	77		V008
	1,6	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	1,8	**M8 (5m)**	1,1	12	850	**121,49**	**VR473.1K-90S/4-L02**	45356	99		V010
	2,2	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	2,3	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	2,7	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	3,1	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	3,6	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	4,0	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48035	107		V013
	4,6	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107		V013
	5,3	**M8 (5m)**	3,0	34	805	**41,50**	**VR473.1K-100L/4b-L04**	49074	107		V013
	6,4	**M8 (5m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	48823	114		V014
	7,7	**M7 (4m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	50314	124		V015

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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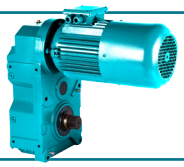
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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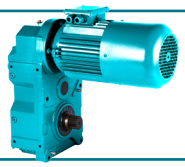
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø110	0,7	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	0,8	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	0,9	**M8 (5m)**	0,55	15	330	**94,32**	**VR373.1K-80/4a-L01**	21380	60		V002
	1,0	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	1,2	**M8 (5m)**	0,75	21	324	**67,45**	**VR373.1K-80/4b-L01**	19249	61		V003
	1,4	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	1,5	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	1,9	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	2,3	**M8 (5m)**	1,5	39	344	**35,49**	**VR373.1K-90L/4-L02**	15618	66		V005
	2,5	**M8 (5m)**	1,5	44	311	**32,11**	**VR373.1K-90L/4-L02**	15230	66		V005
	2,9	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	3,4	**M8 (5m)**	2,2	59	336	**23,58**	**VR373.1K-100L/4a-L04**	13709	70		V006
Ø120	0,7	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	0,8	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	0,9	**M8 (5m)**	0,55	15	330	**94,32**	**VR373.1K-80/4a-L01**	21380	60		V002
	1,1	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	1,3	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	1,5	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	1,7	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	2,1	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	2,5	**M8 (5m)**	1,5	39	344	**35,49**	**VR373.1K-90L/4-L02**	15618	66		V005
	2,7	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	3,2	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	3,7	**M8 (5m)**	2,2	59	336	**23,58**	**VR373.1K-100L/4a-L04**	13709	70		V006
Ø130	0,8	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	0,9	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	1,0	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	1,2	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	1,4	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	1,6	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	1,8	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	2,3	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	2,7	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	3,0	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	3,5	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	4,0	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø140	0,8	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	1,0	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	1,1	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	1,3	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,5	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	1,8	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	2,0	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	2,5	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	2,9	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	3,2	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	3,7	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	4,3	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø150	0,9	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	1,0	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	1,2	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	1,4	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,6	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	1,9	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	2,1	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	2,7	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	3,1	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	3,4	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	4,0	**M8 (5m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	13760	73		V007

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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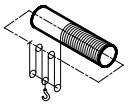

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer **D_T [mm]**	**Velocità di sollevamento** *Lifting Speed* Hubgesch-windigkeit **V_h [m/min]**	**Classe dell'app. di sollevamento** *Crane* Class* Kranklasse* **ISO (FEM)**	**Potenza** *Power* Leistung **[kW]**	**Velocità in uscita** *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	**Coppia in uscita** *Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	**Rapporto** *Ratio* Übersetzung **i**	**Tipo** *Type* Typ	**Carichi radiali ammessi (uscita)** *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	**Peso** *Weight* Gewicht ~ **[kg]**	**Tab. dimensioni** *Dim. Page* Maße Seite	**Rif. prezzo** *Price Ref.* Preis No.
Ø150	4,7	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73	214	V007
Ø160	1,0	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	1,1	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	1,2	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	1,5	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,7	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	2,0	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	2,2	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	2,8	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	3,3	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	3,7	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	4,3	**M8 (5m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	13760	73		V007
	5,0	**M7 (4m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	16691	73		V007
Ø170	1,0	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	1,2	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	1,3	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	1,6	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,8	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	2,2	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	2,4	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	3,0	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	3,5	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	3,9	**M8 (5m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	14200	73		V007
	4,5	**M7 (4m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	17307	73		V007
	5,3	**M7 (4m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	16186	77		V008
Ø180	1,1	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	1,2	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	1,4	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	1,7	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	2,0	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	2,3	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	2,5	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	3,2	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	3,7	**M7 (4m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	18916	70		V006
	4,1	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	4,8	**M7 (4m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	17307	73		V007
	5,6	**M7 (4m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	16186	77		V008

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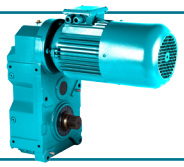
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø280	5,8	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	6,5	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	7,6	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	9,2	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	10,3	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	12,1	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	14,0	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	16,2	**M8 (5m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	108112	379		V034
	18,5	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	21,0	**M7 (4m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	119544	379		V034
	18,1	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500	218	V041
	18,8	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	21,7	**M8 (5m)**	15	25	5508	**56,82**	**VR773.1K-160L/4-L20**	148954	500		V041
	24,9	**M8 (5m)**	18,5	28	5922	**49,45**	**VR773.1K-180M/4-L30**	146772	529		V042
Ø300	6,2	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	7,0	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	8,2	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	9,8	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	11,0	**M8 (5m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	101816	359		V033
	12,9	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	15,0	**M7 (4m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	117080	359		V033
	17,3	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	19,8	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	22,5	**M7 (4m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	117809	408		V035
	13,5	**M8 (5m)**	11	14	6898	**97,55**	**VR773.1K-160M/4-L20**	144673	480	218	V040
	15,3	**M8 (5m)**	11	16	6091	**85,99**	**VR773.1K-160M/4-L20**	147449	480		V040
	17,3	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	19,4	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	20,1	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	23,2	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	26,7	**M8 (5m)**	18,5	28	5922	**49,45**	**VR773.1K-180M/4-L30**	146772	529		V042
Ø320	6,6	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	7,4	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	8,7	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	10,5	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	11,7	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	13,8	**M7 (4m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	115154	359		V033
	16,0	**M7 (4m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	114123	379		V034
	18,5	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	21,1	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	24,0	**M7 (4m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	117809	408		V035
	10,9	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480	218	V040
	12,6	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	14,4	**M8 (5m)**	11	14	6898	**97,55**	**VR773.1K-160M/4-L20**	144673	480		V040
	16,4	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	18,4	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	20,7	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	21,4	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	24,8	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	28,4	**M8 (5m)**	22	28	7043	**49,45**	**VR773.1K-180L/4-L30**	145565	539		V043
Ø340	7,0	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	7,9	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	9,2	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	11,1	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	12,5	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

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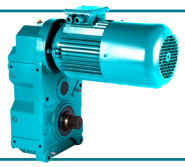
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø340	14,6	**M7 (4m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	115154	359	217	V033
	17,0	**M7 (4m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	114123	379		V034
	19,6	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	22,4	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	25,5	**M6 (3m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	124980	408		V035
	10,0	**M8 (5m)**	7,5	9,4	7157	**148,95**	**VR773.1K-132M/4-L10**	136422	423	218	V039
	11,6	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	13,4	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	15,3	**M8 (5m)**	11	14	6898	**97,55**	**VR773.1K-160M/4-L20**	144673	480		V040
	17,4	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	19,6	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	22,0	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	22,8	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	26,3	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	30,2	**M8 (5m)**	22	28	7043	**49,45**	**VR773.1K-180L/4-L30**	145565	539		V043
Ø360	7,4	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	8,3	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	9,8	**M7 (4m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	111358	302		V032
	11,8	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	13,2	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	15,5	**M7 (4m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	115154	359		V033
	18,0	**M7 (4m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	114123	379		V034
	20,8	**M6 (3m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	124716	379		V034
	23,8	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	27,0	**M6 (3m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	124980	408		V035
	7,9	**M8 (5m)**	5,5	7,0	7033	**200,14**	**VR773.1K-132S/4-L10**	126236	413	218	V038
	9,5	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423		V039
	10,6	**M8 (5m)**	7,5	9,4	7157	**148,95**	**VR773.1K-132M/4-L10**	136422	423		V039
	12,3	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	14,2	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	16,2	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	18,4	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	20,7	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	23,3	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	24,1	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	27,9	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	32,0	**M8 (5m)**	22	28	7043	**49,45**	**VR773.1K-180L/4-L30**	145565	539		V043
Ø380	7,8	**M7 (4m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	105741	292	217	V031
	8,8	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	10,3	**M7 (4m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	111358	302		V032
	12,4	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	13,9	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	16,4	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	19,0	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	21,9	**M6 (3m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	122466	408		V035
	25,1	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	28,5	**M6 (3m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	123245	418		V036
	7,1	**M8 (5m)**	5,5	6,0	8197	**233,77**	**VR773.1K-132S/4-L10**	116146	413	218	V038
	8,3	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	10,0	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423		V039
	11,2	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	13,0	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	15,0	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	17,1	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	19,4	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	21,9	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	24,6	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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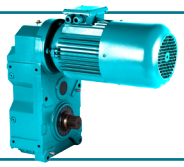
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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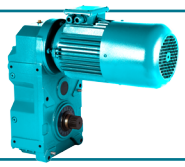
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø380	25,5	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529	218	V042
	29,4	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	33,8	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø400	8,2	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	9,3	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	10,9	**M7 (4m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	106615	359		V033
	13,1	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	14,7	**M6 (3m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	124880	359		V033
	17,2	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	20,0	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	23,1	**M6 (3m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	122466	408		V035
	26,4	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	30,0	**M5 (2m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	131003	418		V036
	7,5	**M8 (5m)**	5,5	6,0	8197	**233,77**	**VR773.1K-132S/4-L10**	116146	413	218	V038
	8,8	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	10,6	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423		V039
	11,8	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	13,7	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	15,8	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	18,0	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	20,4	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	23,0	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	25,9	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	26,8	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	30,9	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	35,6	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø420	8,7	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	9,7	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	11,4	**M7 (4m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	106615	359		V033
	13,7	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	15,4	**M6 (3m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	124880	359		V033
	18,1	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	21,0	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	24,2	**M6 (3m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	122466	408		V035
	27,7	**M5 (2m)**	22	21	9425	**66,59**	**VR673.1K-180L/4-L30**	130294	418		V036
	31,5	**M5 (2m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	131003	418		V036
	7,9	**M8 (5m)**	5,5	6,0	8197	**233,77**	**VR773.1K-132S/4-L10**	116146	413	218	V038
	9,2	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	11,1	**M8 (5m)**	7,5	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	12,4	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	14,3	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	16,6	**M8 (5m)**	11	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	18,9	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	21,5	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	24,2	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	27,1	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	28,1	**M8 (5m)**	18,5	21	9310	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	32,5	**M8 (5m)**	22	25	11017	**56,82**	**VR773.1K-200L/4-L40**	143016	585		V044
	37,3	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø230	3,1	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	3,5	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177		V020
	4,0	**M8 (5m)**	3,0	11	2431	**126,81**	**VR573.1K-100L/4b-L04**	66248	177		V020
	4,7	**M8 (5m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	68315	184		V021
	5,8	**M8 (5m)**	4,0	16	2256	**87,90**	**VR573.1K-112M/4-L05**	70739	184		V021
	6,5	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	7,3	**M7 (4m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	79923	194		V022
	8,7	**M7 (4m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	79721	204		V023
	9,7	**M7 (4m)**	7,5	27	2517	**51,97**	**VR573.1K-132M/4-L10**	80944	204		V023
	11,9	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	13,4	**M6 (3m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	85695	261		V024
	15,1	**M6 (3m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	86358	261		V024
	17,9	**M6 (3m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	85625	281		V025
	6,6	**M8 (5m)**	5,5	18	2691	**76,17**	**VR673.1K-132S/4-L10**	114219	292	217	V031
	7,6	**M8 (5m)**	5,5	21	2356	**66,59**	**VR673.1K-132S/4-L10**	115907	292		V031
	8,6	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø240	3,2	**M8 (5m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	54663	177	216	V020
	3,7	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177		V020
	4,2	**M8 (5m)**	3,0	11	2431	**126,81**	**VR573.1K-100L/4b-L04**	66248	177		V020
	4,9	**M8 (5m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	68315	184		V021
	6,0	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	6,8	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	7,6	**M7 (4m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	79923	194		V022
	9,0	**M7 (4m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	79721	204		V023
	10,2	**M7 (4m)**	7,5	27	2517	**51,97**	**VR573.1K-132M/4-L10**	80944	204		V023
	12,4	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	14,0	**M6 (3m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	85695	261		V024
	15,8	**M6 (3m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	86358	261		V024
	18,6	**M6 (3m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	85625	281		V025
	5,2	**M8 (5m)**	4,0	14	2612	**102,10**	**VR673.1K-112M/4-L05**	111322	282	217	V030
	6,0	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	6,9	**M8 (5m)**	5,5	18	2691	**76,17**	**VR673.1K-132S/4-L10**	114219	292		V031
	7,9	**M8 (5m)**	5,5	21	2356	**66,59**	**VR673.1K-132S/4-L10**	115907	292		V031
	9,0	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø250	3,4	**M8 (5m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	54663	177	216	V020
	3,8	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177		V020
	4,3	**M8 (5m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	64935	184		V021
	5,1	**M7 (4m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	76634	184		V021
	6,3	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	7,1	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	8,0	**M7 (4m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	79923	194		V022
	9,4	**M7 (4m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	79721	204		V023
	10,6	**M6 (3m)**	7,5	27	2517	**51,97**	**VR573.1K-132M/4-L10**	86182	204		V023
	12,9	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	14,6	**M6 (3m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	85695	261		V024
	16,4	**M6 (3m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	84951	281		V025
	19,4	**M5 (2m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	89793	281		V025
	4,6	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282	217	V030
	5,4	**M8 (5m)**	4,0	14	2612	**102,10**	**VR673.1K-112M/4-L05**	111322	282		V030
	6,3	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	7,2	**M8 (5m)**	5,5	18	2691	**76,17**	**VR673.1K-132S/4-L10**	114219	292		V031
	8,3	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	9,4	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø260	4,0	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177	216	V020

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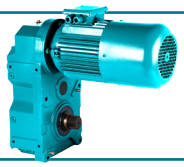
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø260	4,5	**M8 (5m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	64935	184	216	V021
	5,3	**M7 (4m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	76634	184		V021
	6,5	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	7,4	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	8,3	**M7 (4m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	78484	204		V023
	9,8	**M6 (3m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	85434	204		V023
	11,0	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	13,4	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	15,2	**M6 (3m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	85695	261		V024
	17,1	**M6 (3m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	84951	281		V025
	20,2	**M5 (2m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	89793	281		V025
	4,8	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282	217	V030
	5,6	**M8 (5m)**	4,0	14	2612	**102,10**	**VR673.1K-112M/4-L05**	111322	282		V030
	6,5	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	7,5	**M8 (5m)**	5,5	18	2691	**76,17**	**VR673.1K-132S/4-L10**	114219	292		V031
	8,6	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	9,8	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø270	3,6	**M8 (5m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	54663	177	216	V020
	4,1	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177		V020
	4,7	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	5,5	**M7 (4m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	76634	184		V021
	6,8	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	7,6	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	8,6	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	10,2	**M6 (3m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	85434	204		V023
	11,4	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	13,9	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	15,8	**M6 (3m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	85695	261		V024
	17,7	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	21,0	**M5 (2m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	89793	281		V025
	4,4	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282	217	V030
	5,0	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282		V030
	5,8	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	6,8	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	7,8	**M8 (5m)**	5,5	18	2691	**76,17**	**VR673.1K-132S/4-L10**	114219	292		V031
	8,9	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	10,1	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø280	4,3	**M7 (4m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	72735	177	216	V020
	4,9	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	5,7	**M7 (4m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	76634	184		V021
	7,0	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	7,9	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	8,9	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	10,5	**M6 (3m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	85434	204		V023
	11,8	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	14,4	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	16,4	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	18,4	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	21,7	**M5 (2m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	89793	281		V025
	4,6	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282	217	V030
	5,1	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282		V030
	6,0	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	7,0	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	8,1	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	9,2	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	10,5	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032

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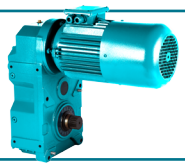
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø290	4,4	**M7 (4m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	71254	184	216	V021
	5,0	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	5,9	**M7 (4m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	74965	194		V022
	7,3	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	8,2	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	9,2	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	10,9	**M6 (3m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	83300	261		V024
	12,3	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	15,0	**M5 (2m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	90156	261		V024
	16,9	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	19,1	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	22,5	**M5 (2m)**	18,5	49	3404	**28,30**	**VR573.1K-180M/4-L30**	88749	311		V026
	3,0	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	3,4	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	3,9	**M8 (5m)**	3,0	8,7	3094	**161,66**	**VR673.1K-100L/4b-L04**	102796	275		V029
	4,7	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282		V030
	5,3	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282		V030
	6,2	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	7,3	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	8,4	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	9,6	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	10,9	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø300	4,0	**M7 (4m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	68308	177		V020
	4,6	**M7 (4m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	71254	184	216	V021
	5,2	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	6,2	**M7 (4m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	74965	194		V022
	7,5	**M6 (3m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	84567	194		V022
	8,5	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	9,6	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	11,3	**M6 (3m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	83300	261		V024
	12,7	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	15,5	**M5 (2m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	90156	261		V024
	17,5	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	19,7	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	23,3	**M5 (2m)**	18,5	49	3404	**28,30**	**VR573.1K-180M/4-L30**	88749	311		V026
	3,1	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	3,5	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	4,1	**M8 (5m)**	3,0	8,7	3094	**161,66**	**VR673.1K-100L/4b-L04**	102796	275		V029
	4,9	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282		V030
	5,5	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282		V030
	6,5	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	7,5	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	8,7	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	9,9	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	11,3	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033

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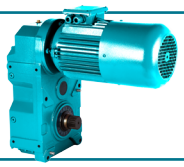

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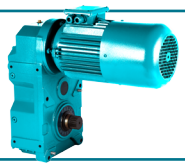
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø170	1,4	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	1,5	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	1,8	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	1,9	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	2,3	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	2,6	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	3,0	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	3,4	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48035	107		V013
	3,9	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107		V013
	4,5	**M8 (5m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	48314	114		V014
	5,5	**M7 (4m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	50778	114		V014
	6,6	**M7 (4m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	50314	124		V015
	5,0	**M8 (5m)**	4,0	37	975	**37,64**	**VR573.1K-112M/4-L05**	79711	184	216	V021
	5,6	**M8 (5m)**	4,0	42	868	**33,46**	**VR573.1K-112M/4-L05**	80636	184		V021
	6,6	**M8 (5m)**	5,5	49	1012	**28,30**	**VR573.1K-132S/4-L10**	80795	194		V022
Ø180	1,4	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	1,6	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	1,9	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	2,1	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	2,4	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	2,8	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	3,2	**M8 (5m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	47404	107		V013
	3,6	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48035	107		V013
	4,2	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107		V013
	4,8	**M8 (5m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	48314	114		V014
	5,8	**M7 (4m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	49834	124		V015
	7,0	**M7 (4m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	50314	124		V015
	5,3	**M8 (5m)**	4,0	37	975	**37,64**	**VR573.1K-112M/4-L05**	79711	184	216	V021
	5,9	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	7,0	**M8 (5m)**	5,5	49	1012	**28,30**	**VR573.1K-132S/4-L10**	80795	194		V022
Ø190	1,5	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	1,7	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	2,1	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	2,2	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	2,6	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	3,0	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	3,4	**M8 (5m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	47404	107		V013
	3,8	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48035	107		V013
	4,4	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	5,0	**M7 (4m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	50385	114		V014
	6,1	**M7 (4m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	49834	124		V015
	7,3	**M7 (4m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	50314	124		V015
	4,0	**M8 (5m)**	3,0	27	1007	**51,97**	**VR573.1K-100L/4b-L04**	78401	177	216	V020
	4,9	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184		V021
	5,5	**M8 (5m)**	4,0	37	975	**37,64**	**VR573.1K-112M/4-L05**	79711	184		V021
	6,2	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	7,4	**M8 (5m)**	5,5	49	1012	**28,30**	**VR573.1K-132S/4-L10**	80795	194		V022
Ø200	1,6	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	1,8	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	2,2	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	2,3	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø200	2,7	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105	215	V012
	3,1	**M8 (5m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	46686	107		V013
	3,6	**M8 (5m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	47404	107		V013
	4,0	**M7 (4m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	50367	107		V013
	4,6	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	5,3	**M7 (4m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	50385	114		V014
	6,4	**M7 (4m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	49834	124		V015
	7,7	**M6 (3m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	52211	124		V015
	4,2	**M8 (5m)**	3,0	27	1007	**51,97**	**VR573.1K-100L/4b-L04**	78401	177	216	V020
	5,2	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184		V021
	5,8	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	6,6	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	7,8	**M8 (5m)**	5,5	49	1012	**28,30**	**VR573.1K-132S/4-L10**	80795	194		V022
Ø210	1,7	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	1,9	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	2,3	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	2,4	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	2,8	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	3,3	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	3,7	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	4,2	**M7 (4m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	50367	107		V013
	4,9	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	5,6	**M7 (4m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	50385	114		V014
	6,7	**M7 (4m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	49834	124		V015
	8,1	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	3,0	**M8 (5m)**	2,2	18	1098	**77,63**	**VR573.1K-100L/4a-L04**	74552	174	216	V019
	3,3	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	4,0	**M8 (5m)**	3,0	24	1129	**58,36**	**VR573.1K-100L/4b-L04**	77055	177		V020
	4,4	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	5,4	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184		V021
	6,1	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	6,9	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	8,2	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø220	1,7	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	2,0	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	2,4	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	2,5	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	3,0	**M7 (4m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	49911	105		V012
	3,4	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	3,9	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	4,4	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	5,1	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	5,8	**M7 (4m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	49245	124		V015
	7,1	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	8,5	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	2,8	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	70434	174	216	V019
	3,1	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	71552	177		V020
	3,5	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	73688	177		V020
	4,1	**M8 (5m)**	3,0	24	1129	**58,36**	**VR573.1K-100L/4b-L04**	75281	177		V020
	4,7	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	75747	184		V021
	5,7	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	76951	184		V021
	6,4	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	77011	194		V022
	7,2	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	78232	194		V022
	8,5	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	78029	204		V023

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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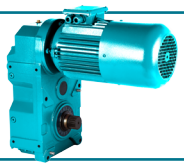
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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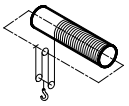

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø230	1,8	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	2,1	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	2,5	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	2,6	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	3,1	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	3,6	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	4,1	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	4,7	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	5,3	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	6,1	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	7,4	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	8,9	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	2,9	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174	216	V019
	3,3	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	3,7	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	4,3	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	4,9	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	5,9	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	6,7	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	7,6	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	8,9	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø240	1,9	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	2,2	**M8 (5m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	42949	105		V012
	2,6	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	2,8	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	3,3	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	3,7	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	4,3	**M7 (4m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	48765	114		V014
	4,9	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	5,6	**M6 (3m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	52174	114		V014
	6,4	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	7,7	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	9,3	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	2,5	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174	216	V019
	3,0	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174		V019
	3,4	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	3,8	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	4,5	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	5,1	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	6,2	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	7,0	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	7,9	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	9,3	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023

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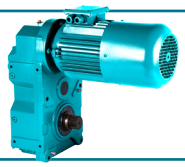
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø110	0,7	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	0,8	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	0,9	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	1,0	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	1,2	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	1,4	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	1,5	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	1,9	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	2,3	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	2,5	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	2,9	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	3,4	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø120	0,7	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	0,8	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	0,9	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	1,1	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,3	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	1,5	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	1,7	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	2,1	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	2,5	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	2,7	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	3,2	**M8 (5m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	13760	73		V007
	3,7	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø130	0,8	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	0,9	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	1,0	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	1,2	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,4	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	1,6	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	1,8	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	2,3	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	2,7	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	3,0	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	3,5	**M8 (5m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	13760	73		V007
	4,0	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	16691	73		V007
Ø140	0,8	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	1,0	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	1,1	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	1,3	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,5	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	1,8	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	2,0	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	2,5	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	2,9	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	3,2	**M8 (5m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	3,7	**M8 (5m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	17307	73		V007
	4,3	**M8 (5m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	16186	77		V008
Ø150	0,9	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	1,0	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	1,2	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	1,4	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,6	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	1,9	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	2,1	**M8 (5m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	16381	70		V006
	2,7	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	3,1	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	3,4	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	4,0	**M7 (4m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	17307	73		V007

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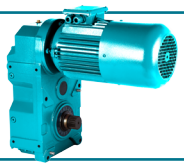
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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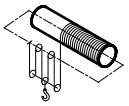

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer **D_T [mm]**	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit **V_h [m/min]**	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* **ISO (FEM)**	Potenza *Power* Leistung **[kW]**	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	Rapporto *Ratio* Übersetzung **i**	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	Peso *Weight* Gewicht ~ **[kg]**	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø150	4,7	**M7 (4m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	16186	77	214	V008
Ø160	1,0	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	1,1	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	1,2	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	1,5	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,7	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	2,0	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	2,2	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	2,8	**M7 (4m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	19619	70		V006
	3,3	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	3,7	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	4,3	**M7 (4m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	16719	77		V008
	5,0	**M6 (3m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	20293	77		V008
Ø170	1,0	**M8 (5m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	21453	64	214	V004
	1,2	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	1,3	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	1,6	**M8 (5m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	18822	66		V005
	1,8	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	2,2	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70		V006
	2,4	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	3,0	**M7 (4m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	19619	70		V006
	3,5	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	3,9	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	4,5	**M6 (3m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	21021	77		V008
	5,3	**M6 (3m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	20293	77		V008
Ø180	1,1	**M8 (5m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	21453	64	214	V004
	1,2	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	1,4	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	1,7	**M8 (5m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	18822	66		V005
	2,0	**M7 (4m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	22820	66		V005
	2,3	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70		V006
	2,5	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	3,2	**M7 (4m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	18912	73		V007
	3,7	**M6 (3m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	22953	73		V007
	4,1	**M6 (3m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	22421	73		V007
	4,8	**M6 (3m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	21021	77		V008
	5,6	**M6 (3m)**	5,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	20293	77		V008

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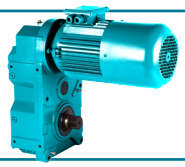
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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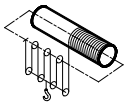

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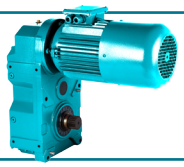
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø110	0,5	**M8 (5m)**	0,37	12	285	**121,67**	**VR373.1K-71/4b-L00**	23314	58	214	V001
	0,6	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	0,6	**M8 (5m)**	0,55	15	330	**94,32**	**VR373.1K-80/4a-L01**	21380	60		V002
	0,8	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	0,9	**M8 (5m)**	0,75	21	324	**67,45**	**VR373.1K-80/4b-L01**	19249	61		V003
	1,0	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	1,2	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	1,5	**M8 (5m)**	1,1	34	294	**41,42**	**VR373.1K-90S/4-L02**	16580	64		V004
	1,7	**M8 (5m)**	1,5	39	344	**35,49**	**VR373.1K-90L/4-L02**	15618	66		V005
	1,9	**M8 (5m)**	1,5	44	311	**32,11**	**VR373.1K-90L/4-L02**	15230	66		V005
	2,2	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	2,6	**M8 (5m)**	2,2	59	336	**23,58**	**VR373.1K-100L/4a-L04**	13709	70		V006
Ø120	0,5	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	0,6	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	0,7	**M8 (5m)**	0,55	15	330	**94,32**	**VR373.1K-80/4a-L01**	21380	60		V002
	0,8	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	1,0	**M8 (5m)**	0,75	21	324	**67,45**	**VR373.1K-80/4b-L01**	19249	61		V003
	1,1	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	1,3	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	1,6	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	1,9	**M8 (5m)**	1,5	39	344	**35,49**	**VR373.1K-90L/4-L02**	15618	66		V005
	2,1	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	2,4	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	2,8	**M8 (5m)**	2,2	59	336	**23,58**	**VR373.1K-100L/4a-L04**	13709	70		V006
Ø130	0,6	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	0,7	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	0,8	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	0,9	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	1,1	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	1,2	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	1,4	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	1,7	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	2,0	**M8 (5m)**	1,5	39	344	**35,49**	**VR373.1K-90L/4-L02**	15618	66		V005
	2,2	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	2,6	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	3,0	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	70		V007
Ø140	0,6	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	0,7	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	0,8	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	1,0	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	1,1	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	1,3	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	1,5	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	1,9	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	2,2	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	2,4	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	2,8	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	3,3	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	70		V007
Ø150	0,7	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	0,8	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	0,9	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	1,0	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,2	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	1,4	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	1,6	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	2,0	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	2,3	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	2,6	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	3,0	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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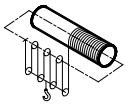

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø150	3,5	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73	214	V007
Ø160	0,7	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	0,8	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	0,9	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	1,1	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,3	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	1,5	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	1,7	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	2,1	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	2,5	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	2,7	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	3,2	**M8 (5m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	13760	73		V007
	3,7	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø170	0,8	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	0,9	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	1,0	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	1,2	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,4	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	1,6	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	1,8	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	2,3	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	2,6	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	2,9	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	3,4	**M8 (5m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	13760	73		V007
	4,0	**M7 (4m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	16691	73		V007
Ø180	0,8	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	0,9	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	1,0	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	1,2	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,5	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	1,7	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	1,9	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	2,4	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	2,8	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	3,1	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	3,6	**M7 (4m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	17307	73		V007
	4,2	**M7 (4m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	16186	77		V008

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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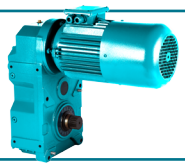

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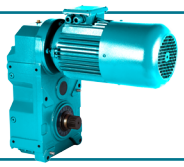
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø300	6,2	**M7 (4m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	105741	292	217	V031
	7,0	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	8,2	**M7 (4m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	111358	302		V032
	9,8	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	11,0	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	12,9	**M7 (4m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	111721	379		V034
	15,0	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	17,3	**M6 (3m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	124716	379		V034
	19,8	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	22,5	**M6 (3m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	123245	418		V036
	5,6	**M8 (5m)**	5,5	6,0	8197	**233,77**	**VR773.1K-132S/4-L10**	116146	413	218	V038
	6,6	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	7,9	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423		V039
	8,9	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	10,2	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	11,8	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	13,5	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	15,3	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	17,3	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	19,4	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	20,1	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	23,2	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	26,7	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø320	6,6	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	7,4	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	8,7	**M7 (4m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	106615	359		V033
	10,5	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	11,7	**M6 (3m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	124880	359		V033
	13,8	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	16,0	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	18,5	**M6 (3m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	122466	408		V035
	21,1	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	24,0	**M5 (2m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	131003	418		V036
	6,0	**M8 (5m)**	5,5	6,0	8197	**233,77**	**VR773.1K-132S/4-L10**	116146	413	218	V038
	7,0	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	8,4	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423		V039
	9,4	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	10,9	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	12,6	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	14,4	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	16,4	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	18,4	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	20,7	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	21,4	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	24,8	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	28,4	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø340	7,0	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	7,9	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	9,2	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	11,1	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	12,5	**M6 (3m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	124880	359		V033
	14,6	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	17,0	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	19,6	**M6 (3m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	122466	408		V035
	22,4	**M5 (2m)**	22	21	9425	**66,59**	**VR673.1K-180L/4-L30**	130294	418		V036
	25,5	**M5 (2m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	131003	418		V036
	6,4	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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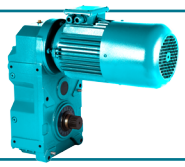
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø340	7,5	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423	218	V039
	9,0	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	10,0	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	11,6	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	13,4	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	15,3	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	17,4	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	19,6	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	22,0	**M8 (5m)**	22	21	9664	**68,02**	**VR773.1K-180L/4-L30**	146752	539		V043
	22,8	**M8 (5m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	26,3	**M8 (5m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	143016	585		V044
	30,2	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø360	7,4	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	8,3	**M6 (3m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	128155	302		V032
	9,8	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	11,8	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	13,2	**M6 (3m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	120850	379		V034
	15,5	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	18,0	**M5 (2m)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	131349	408		V035
	20,8	**M5 (2m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	131791	408		V035
	23,8	**M5 (2m)**	22	21	9425	**66,59**	**VR673.1K-180L/4-L30**	130294	418		V036
	27,0	**M5 (2m)**	30	24	11316	**58,54**	**VR673.1K-200L/4-L40**	127038	464		V037
	6,8	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	7,9	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	9,5	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	10,6	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	12,3	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	14,2	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	16,2	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	18,4	**M8 (5m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	142972	529		V042
	20,7	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	23,3	**M8 (5m)**	22	21	9664	**68,02**	**VR773.1K-180L/4-L30**	146752	539		V043
	24,1	**M8 (5m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	27,9	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	32,0	**M7 (4m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	151556	585		V044
Ø380	7,8	**M6 (3m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	128244	302	217	V032
	8,8	**M6 (3m)**	11	7,4	13274	**189,61**	**VR673.1K-160M/4-L20**	122605	359		V033
	10,3	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	12,4	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	13,9	**M6 (3m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	120850	379		V034
	16,4	**M5 (2m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	134003	379		V034
	19,0	**M5 (2m)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	131349	408		V035
	21,9	**M5 (2m)**	22	18	10763	**76,17**	**VR673.1K-180L/4-L30**	129541	418		V036
	25,1	**M5 (2m)**	22	21	9425	**66,59**	**VR673.1K-180L/4-L30**	130294	418		V036
	28,5	**M5 (2m)**	30	24	11316	**58,54**	**VR673.1K-200L/4-L40**	127038	464		V037
	7,1	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	8,3	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	10,0	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	11,2	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	13,0	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	15,0	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	17,1	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	19,4	**M8 (5m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	142972	529		V042
	21,9	**M8 (5m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	144021	539		V043
	24,6	**M7 (4m)**	22	21	9664	**68,02**	**VR773.1K-180L/4-L30**	155733	539		V043
	25,5	**M7 (4m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	155625	539		V043
	29,4	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	33,8	**M7 (4m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	151556	585		V044

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø400	8,2	**M6 (3m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	128244	302	217	V032
	9,3	**M6 (3m)**	11	7,4	13274	**189,61**	**VR673.1K-160M/4-L20**	122605	359		V033
	10,9	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	13,1	**M5 (2m)**	15	10	12888	**134,51**	**VR673.1K-160L/4-L20**	134888	379		V034
	14,7	**M5 (2m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	134335	379		V034
	17,2	**M5 (2m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	134003	379		V034
	20,0	**M5 (2m)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	131349	408		V035
	23,1	**M5 (2m)**	22	18	10763	**76,17**	**VR673.1K-180L/4-L30**	129541	418		V036
	7,5	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	8,8	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	10,6	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	11,8	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	13,7	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	15,8	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	18,0	**M8 (5m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	139603	529		V042
	20,4	**M8 (5m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	142972	529		V042
	23,0	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	25,9	**M7 (4m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	151945	585		V044
	26,8	**M7 (4m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	151975	585		V044
	30,9	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	35,6	**M7 (4m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	149140	621		V045
Ø420	8,7	**M6 (3m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	128244	302	217	V032
	9,7	**M5 (2m)**	11	7,4	13274	**189,61**	**VR673.1K-160M/4-L20**	146918	359		V033
	11,4	**M5 (2m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	142248	359		V033
	13,7	**M5 (2m)**	15	10	12888	**134,51**	**VR673.1K-160L/4-L20**	134888	379		V034
	15,4	**M5 (2m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	134335	379		V034
	18,1	**M4 (1Am)**	18,5	14	12082	**102,10**	**VR673.1K-180M/4-L30**	143744	408		V035
	21,0	**M4 (1Am)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	142533	408		V035
	24,2	**M4 (1Am)**	22	18	10763	**76,17**	**VR673.1K-180L/4-L30**	139513	418		V036
	7,9	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	9,2	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	11,1	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	12,4	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	14,3	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	16,6	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	18,9	**M7 (4m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	151194	529		V042
	21,5	**M7 (4m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	153534	529		V042
	24,2	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	27,1	**M7 (4m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	151945	585		V044
	28,1	**M7 (4m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	151975	585		V044
	32,5	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	37,3	**M7 (4m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	149140	621		V045
Ø440	8,3	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	9,7	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	11,6	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	13,0	**M8 (5m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	128707	500		V041
	15,0	**M7 (4m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	148486	500		V041
	17,3	**M7 (4m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	151201	500		V041
	19,8	**M7 (4m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	151194	529		V042
	22,5	**M7 (4m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	151445	539		V043
	25,4	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	28,4	**M6 (3m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	161329	585		V044
	29,5	**M6 (3m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	161331	585		V044
	34,0	**M6 (3m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	161114	585		V044

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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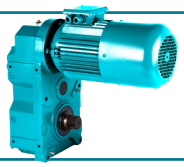
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø270	4,1	**M7 (4m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	71254	184	216	V021
	4,7	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	5,5	**M6 (3m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	84124	194		V022
	6,8	**M6 (3m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	82740	204		V023
	7,6	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	8,6	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	10,2	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	11,4	**M5 (2m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	89973	261		V024
	13,9	**M5 (2m)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	88370	281		V025
	15,8	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	17,7	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	21,0	**M4 (1Am)**	18,5	49	3404	**28,30**	**VR573.1K-180M/4-L30**	93109	311		V026
	2,8	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	3,1	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	3,7	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	4,4	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282		V030
	5,0	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	5,8	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	6,8	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	7,8	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	8,9	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	10,1	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø280	4,3	**M6 (3m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	84324	184	216	V021
	4,9	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	5,7	**M6 (3m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	84124	194		V022
	7,0	**M6 (3m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	82740	204		V023
	7,9	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	8,9	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	10,5	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	11,8	**M5 (2m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	89973	261		V024
	14,4	**M5 (2m)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	88370	281		V025
	16,4	**M4 (1Am)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	93983	281		V025
	18,4	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	21,7	**M4 (1Am)**	22	49	4048	**28,30**	**VR573.1K-180L/4-L30**	92065	320		V027
	2,9	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	3,2	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	3,8	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	4,6	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282		V030
	5,1	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	6,0	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	7,0	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	8,1	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	9,2	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	10,5	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø290	4,4	**M6 (3m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	84324	184	216	V021
	5,0	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	5,9	**M6 (3m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	84124	194		V022
	7,3	**M6 (3m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	82740	204		V023
	8,2	**M5 (2m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	91634	204		V023
	9,2	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	10,9	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	12,3	**M5 (2m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	89973	261		V024
	15,0	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	16,9	**M4 (1Am)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	93983	281		V025
	19,1	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	22,5	**M4 (1Am)**	22	49	4048	**28,30**	**VR573.1K-180L/4-L30**	92065	320		V027

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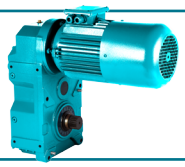
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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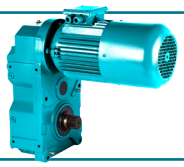
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø290	3,0	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	3,4	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	3,9	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	4,7	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	5,3	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	6,2	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	7,3	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	8,4	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	9,6	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	10,9	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø300	4,6	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	5,2	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	6,2	**M6 (3m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	84124	194		V022
	7,5	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	8,5	**M5 (2m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	91634	204		V023
	9,6	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	11,3	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	12,7	**M5 (2m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	89973	261		V024
	15,5	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	17,5	**M4 (1Am)**	18,5	37	4511	**37,64**	**VR573.1K-180M/4-L30**	92600	311		V026
	19,7	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	23,3	**M4 (1Am)**	22	49	4048	**28,30**	**VR573.1K-180L/4-L30**	92065	320		V027
	3,1	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	3,5	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	4,1	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	4,9	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	5,5	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	6,5	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	7,5	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	8,7	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	9,9	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	11,3	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø310	4,8	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	5,4	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	6,4	**M6 (3m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	81899	204		V023
	7,8	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	8,8	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	9,9	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	11,7	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	13,1	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	16,0	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	18,1	**M4 (1Am)**	18,5	37	4511	**37,64**	**VR573.1K-180M/4-L30**	92600	311		V026
	20,4	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	24,1	**M4 (1Am)**	22	49	4048	**28,30**	**VR573.1K-180L/4-L30**	92065	320		V027
	3,2	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	3,6	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	4,2	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	5,1	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	5,7	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	6,7	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	7,8	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	8,9	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	10,2	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	11,6	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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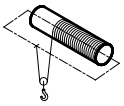

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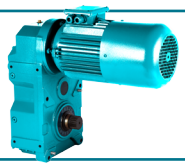
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø320	4,9	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	5,5	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	6,6	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	8,0	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	9,1	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	10,2	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	12,1	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	13,5	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	16,5	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	3,3	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	3,7	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	4,4	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	5,2	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	5,9	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	6,9	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	8,0	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	9,2	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	10,6	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	12,0	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø330	5,1	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	5,7	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	6,8	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	8,3	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	9,3	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	10,5	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	12,4	**M4 (1Am)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	96227	261		V024
	14,0	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	17,0	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	3,4	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	3,8	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	4,5	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	5,4	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	6,1	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	7,1	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	8,3	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	9,5	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	10,9	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	12,4	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø340	5,2	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	5,9	**M5 (2m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	95998	194		V022
	7,0	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	8,5	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	9,6	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	10,8	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	12,8	**M4 (1Am)**	15	24	5646	**58,36**	**VR573.1K-160L/4-L20**	93788	281		V025
	14,4	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	3,5	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	3,9	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	4,6	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	5,6	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	6,2	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	7,3	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	8,5	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	9,8	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	11,2	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	12,8	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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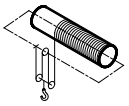

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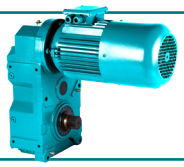
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø170	1,4	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	1,5	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	1,8	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	1,9	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	2,3	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	2,6	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	3,0	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	3,4	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	3,9	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	4,5	**M7 (4m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	50385	114		V014
	5,5	**M7 (4m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	49834	124		V015
	6,6	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	2,7	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177	216	V020
	3,2	**M8 (5m)**	3,0	24	1129	**58,36**	**VR573.1K-100L/4b-L04**	77055	177		V020
	3,6	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	4,4	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184		V021
	5,0	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	5,6	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	6,6	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø180	1,4	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	1,6	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	1,9	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	2,1	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	2,4	**M7 (4m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	49911	105		V012
	2,8	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	3,2	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	3,6	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	4,2	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	4,8	**M7 (4m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	49245	124		V015
	5,8	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	7,0	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	2,3	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174	216	V019
	2,5	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	2,9	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	3,4	**M8 (5m)**	3,0	24	1129	**58,36**	**VR573.1K-100L/4b-L04**	77055	177		V020
	3,8	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	4,6	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	5,3	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	5,9	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	7,0	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø190	1,5	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	1,7	**M8 (5m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	42949	105		V012
	2,1	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	2,2	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	2,6	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	3,0	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	3,4	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	3,8	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	4,4	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	5,0	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	6,1	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	7,3	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	1,9	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174	216	V019
	2,4	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174		V019
	2,7	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	3,0	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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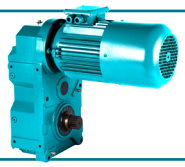
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø190	3,6	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184	216	V021
	4,0	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	4,9	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	5,5	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	6,2	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	7,4	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø200	1,6	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	1,8	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	2,2	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	2,3	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	2,7	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	3,1	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	3,6	**M7 (4m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	48765	114		V014
	4,0	**M6 (3m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	51785	114		V014
	4,6	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	5,3	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	6,4	**M6 (3m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	50582	134		V016
	7,7	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	1,7	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174	216	V019
	2,1	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	2,5	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	2,8	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	3,2	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	3,8	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	4,2	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	5,2	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	5,8	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	6,6	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	7,8	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø210	1,7	**M7 (4m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	47802	101	215	V011
	1,9	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	2,3	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	2,4	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	2,8	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	3,3	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	3,7	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	4,2	**M6 (3m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	51785	114		V014
	4,9	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	5,6	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	6,7	**M6 (3m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	50582	134		V016
	8,1	**M5 (2m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	53176	134		V016
	1,6	**M8 (5m)**	1,5	9,8	1371	**143,35**	**VR573.1K-90L/4-L02**	63661	170	216	V018
	1,8	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	2,2	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	2,6	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	3,0	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	3,3	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	4,0	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	4,4	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	5,4	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	6,1	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	6,9	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	8,2	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø220	1,7	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	2,0	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	2,4	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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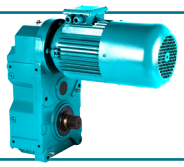
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø220	2,5	**M7 (4m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	47241	107	215	V013
	3,0	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	3,4	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014
	3,9	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	4,4	**M6 (3m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	51785	114		V014
	5,1	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	5,8	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	7,1	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	8,5	**M5 (2m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	53176	134		V016
	1,5	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	1,7	**M8 (5m)**	1,5	9,8	1371	**143,35**	**VR573.1K-90L/4-L02**	63661	170		V018
	1,9	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	2,3	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	2,8	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	3,1	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	3,5	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	4,1	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	4,7	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	5,7	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	6,4	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	7,2	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	8,5	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø230	1,8	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	2,1	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	2,5	**M7 (4m)**	3,0	14	1943	**101,48**	**VR473.1K-100L/4b-L04**	46336	107		V013
	2,6	**M7 (4m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	47241	107		V013
	3,1	**M6 (3m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	51737	107		V013
	3,6	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014
	4,1	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	4,7	**M6 (3m)**	5,5	26	1924	**54,35**	**VR473.1K-132S/4-L10**	50298	124		V015
	5,3	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	6,1	**M5 (2m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	53641	124		V015
	7,4	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	1,8	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174	216	V019
	2,0	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	2,4	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	2,9	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	3,3	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	3,7	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	4,3	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	4,9	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	5,9	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	6,7	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	7,6	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	8,9	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø240	1,9	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	2,2	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	2,6	**M6 (3m)**	3,0	14	1943	**101,48**	**VR473.1K-100L/4b-L04**	50240	107		V013
	2,8	**M6 (3m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	50796	107		V013
	3,3	**M6 (3m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	51737	107		V013
	3,7	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014
	4,3	**M5 (2m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	54111	114		V014
	4,9	**M5 (2m)**	5,5	26	1924	**54,35**	**VR473.1K-132S/4-L10**	52877	124		V015
	5,6	**M5 (2m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	53287	124		V015
	6,4	**M5 (2m)**	7,5	34	2012	**41,50**	**VR473.1K-132M/4-L10**	52121	134		V016
	7,7	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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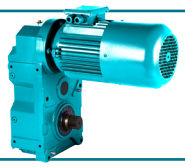
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer **D_T [mm]**	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit **V_h [m/min]**	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* **ISO (FEM)**	Potenza *Power* Leistung **[kW]**	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	Rapporto *Ratio* Übersetzung **i**	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	Peso *Weight* Gewicht ~ **[kg]**	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø240	1,6	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	1,8	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	2,1	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	2,5	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	3,0	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	3,4	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	3,8	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	4,5	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	5,1	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	6,2	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	7,0	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	7,9	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	9,3	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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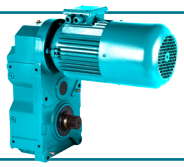
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø130	0,8	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	0,9	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	1,0	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	1,2	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,4	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	1,6	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	1,8	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	2,3	**M7 (4m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	19619	70		V006
	2,7	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	3,0	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	3,5	**M7 (4m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	16719	77		V008
	4,0	**M6 (3m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	20293	77		V008
	1,8	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105	215	V012
	2,0	**M8 (5m)**	2,2	30	672	**47,37**	**VR473.1K-100L/4a-L04**	49278	105		V012
	2,3	**M8 (5m)**	2,2	34	590	**41,50**	**VR473.1K-100L/4a-L04**	49682	105		V012
	2,8	**M8 (5m)**	3,0	41	666	**34,28**	**VR473.1K-100L/4b-L04**	49452	107		V013
	3,3	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø140	0,8	**M8 (5m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	21453	64	214	V004
	1,0	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	1,1	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	1,3	**M8 (5m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	18822	66		V005
	1,5	**M7 (4m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	22820	66		V005
	1,8	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70		V006
	2,0	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	2,5	**M7 (4m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	18912	73		V007
	2,9	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	3,2	**M6 (3m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	22421	73		V007
	3,7	**M6 (3m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	21021	77		V008
	4,3	**M6 (3m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	20293	77		V008
	1,5	**M8 (5m)**	2,2	20	995	**70,59**	**VR473.1K-100L/4a-L04**	47712	105	215	V012
	1,7	**M8 (5m)**	2,2	23	874	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	1,9	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105		V012
	2,2	**M8 (5m)**	2,2	30	672	**47,37**	**VR473.1K-100L/4a-L04**	49278	105		V012
	2,5	**M8 (5m)**	3,0	34	805	**41,50**	**VR473.1K-100L/4b-L04**	49074	107		V013
	3,0	**M8 (5m)**	3,0	41	666	**34,28**	**VR473.1K-100L/4b-L04**	49452	107		V013
	3,6	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø150	0,9	**M8 (5m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	21453	64	214	V004
	1,0	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	1,2	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	1,4	**M7 (4m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	23696	66		V005
	1,6	**M7 (4m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	22820	66		V005
	1,9	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70		V006
	2,1	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	2,7	**M7 (4m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	18912	73		V007
	3,1	**M6 (3m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	22953	73		V007
	3,4	**M6 (3m)**	4,0	44	830	**32,11**	**VR373.1K-112M/4-L05**	21735	77		V008
	4,0	**M6 (3m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	21021	77		V008
	4,7	**M6 (3m)**	5,5	59	840	**23,58**	**VR373.1K-132S/4-L10**	19536	87		V009
	1,4	**M8 (5m)**	2,2	17	1139	**81,00**	**VR473.1K-100L/4a-L04**	47038	105	215	V012
	1,6	**M8 (5m)**	2,2	20	995	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	1,8	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	2,0	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105		V012
	2,3	**M8 (5m)**	2,2	30	672	**47,37**	**VR473.1K-100L/4a-L04**	49278	105		V012
	2,6	**M8 (5m)**	3,0	34	805	**41,50**	**VR473.1K-100L/4b-L04**	49074	107		V013
	3,2	**M8 (5m)**	3,0	41	666	**34,28**	**VR473.1K-100L/4b-L04**	49452	107		V013
	3,9	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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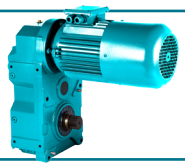
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø160	1,0	**M8 (5m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	21453	64	214	V004
	1,1	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	1,2	**M7 (4m)**	1,5	15	901	**94,32**	**VR373.1K-90L/4-L02**	24628	66		V005
	1,5	**M7 (4m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	23696	66		V005
	1,7	**M7 (4m)**	2,2	21	950	**67,45**	**VR373.1K-100L/4a-L04**	21821	70		V006
	2,0	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70		V006
	2,2	**M6 (3m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	25899	70		V006
	2,8	**M6 (3m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	23776	73		V007
	3,3	**M6 (3m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	22953	73		V007
	3,7	**M6 (3m)**	4,0	44	830	**32,11**	**VR373.1K-112M/4-L05**	21735	77		V008
	4,3	**M6 (3m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	21021	77		V008
	5,0	**M5 (2m)**	5,5	59	840	**23,58**	**VR373.1K-132S/4-L10**	24699	87		V009
	1,2	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101	215	V011
	1,4	**M8 (5m)**	2,2	17	1139	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	1,7	**M8 (5m)**	2,2	20	995	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	1,9	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	2,2	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105		V012
	2,5	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107		V013
	2,8	**M8 (5m)**	3,0	34	805	**41,50**	**VR473.1K-100L/4b-L04**	49074	107		V013
	3,4	**M8 (5m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	48823	114		V014
	4,1	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø170	1,0	**M7 (4m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	26995	64	214	V004
	1,2	**M7 (4m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	26182	64		V004
	1,3	**M7 (4m)**	1,5	15	901	**94,32**	**VR373.1K-90L/4-L02**	24628	66		V005
	1,6	**M7 (4m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	23696	66		V005
	1,8	**M7 (4m)**	2,2	21	950	**67,45**	**VR373.1K-100L/4a-L04**	21821	70		V006
	2,2	**M6 (3m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	26509	70		V006
	2,4	**M6 (3m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	25899	70		V006
	3,0	**M6 (3m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	23776	73		V007
	3,5	**M6 (3m)**	4,0	39	916	**35,49**	**VR373.1K-112M/4-L05**	22195	77		V008
	3,9	**M6 (3m)**	4,0	44	830	**32,11**	**VR373.1K-112M/4-L05**	21735	77		V008
	4,5	**M5 (2m)**	5,5	51	979	**27,53**	**VR373.1K-132S/4-L10**	25548	87		V009
	5,3	**M5 (2m)**	5,5	59	840	**23,58**	**VR373.1K-132S/4-L10**	24699	87		V009
	0,9	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	1,0	**M8 (5m)**	1,1	12	850	**121,49**	**VR473.1K-90S/4-L02**	45356	99		V010
	1,2	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	1,3	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	1,5	**M8 (5m)**	2,2	17	1139	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	1,8	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	2,0	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	2,3	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105		V012
	2,6	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107		V013
	3,0	**M8 (5m)**	3,0	34	805	**41,50**	**VR473.1K-100L/4b-L04**	49074	107		V013
	3,6	**M8 (5m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	48823	114		V014
	4,4	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø180	1,1	**M6 (3m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	33718	64	214	V004
	1,2	**M6 (3m)**	1,5	13	1017	**106,69**	**VR373.1K-90L/4-L02**	31748	66		V005
	1,4	**M6 (3m)**	1,5	15	901	**94,32**	**VR373.1K-90L/4-L02**	30855	66		V005
	1,7	**M6 (3m)**	2,2	18	1114	**79,34**	**VR373.1K-100L/4a-L04**	28436	70		V006
	2,0	**M5 (2m)**	2,2	21	950	**67,45**	**VR373.1K-100L/4a-L04**	34531	70		V006
	2,3	**M5 (2m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	33267	70		V006
	2,5	**M5 (2m)**	3,0	27	1007	**52,30**	**VR373.1K-100L/4b-L04**	31569	73		V007
	3,2	**M5 (2m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	29891	73		V007
	3,7	**M4 (1Am)**	4,0	39	916	**35,49**	**VR373.1K-112M/4-L05**	35220	77		V008
	4,1	**M4 (1Am)**	4,0	44	830	**32,11**	**VR373.1K-112M/4-L05**	34375	77		V008
	1,0	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	1,1	**M8 (5m)**	1,1	12	850	**121,49**	**VR473.1K-90S/4-L02**	45356	99		V010

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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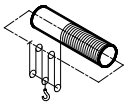

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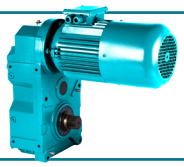
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø180	1,3	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101	215	V011
	1,4	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	1,6	**M8 (5m)**	2,2	17	1139	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	1,9	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	2,1	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	2,4	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105		V012
	2,8	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107		V013
	3,2	**M8 (5m)**	3,0	34	805	**41,50**	**VR473.1K-100L/4b-L04**	49074	107		V013
	3,8	**M8 (5m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	48823	114		V014
	4,6	**M8 (5m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	48462	124		V015
Ø190	1,1	**M5 (2m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	42169	64	214	V004
	1,3	**M5 (2m)**	1,5	13	1017	**106,69**	**VR373.1K-90L/4-L02**	39872	66		V005
	1,5	**M5 (2m)**	1,5	15	901	**94,32**	**VR373.1K-90L/4-L02**	38685	66		V005
	1,8	**M5 (2m)**	2,2	18	1114	**79,34**	**VR373.1K-100L/4a-L04**	35869	70		V006
	2,1	**M5 (2m)**	2,2	21	950	**67,45**	**VR373.1K-100L/4a-L04**	34531	70		V006
	2,4	**M4 (1Am)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	41589	70		V006
	2,7	**M4 (1Am)**	3,0	27	1007	**52,30**	**VR373.1K-100L/4b-L04**	39645	73		V007
	3,4	**M4 (1Am)**	4,0	34	1067	**41,42**	**VR373.1K-112M/4-L05**	36538	77		V008
	3,9	**M4 (1Am)**	4,0	39	916	**35,49**	**VR373.1K-112M/4-L05**	35220	77		V008
	4,3	**M4 (1Am)**	4,0	44	830	**32,11**	**VR373.1K-112M/4-L05**	34375	77		V008
	1,0	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	1,1	**M8 (5m)**	1,1	12	850	**121,49**	**VR473.1K-90S/4-L02**	45356	99		V010
	1,4	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	1,5	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	1,7	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	2,0	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	2,3	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	2,6	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48035	107		V013
	2,9	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107		V013
	3,4	**M8 (5m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	48314	114		V014
	4,1	**M8 (5m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	48823	114		V014
	4,9	**M7 (4m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	50314	124		V015
	4,9	**M8 (5m)**	5,5	49	1012	**28,30**	**VR573.1K-132S/4-L10**	80795	194	216	V022
Ø200	1,1	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	55059	99	215	V010
	1,2	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	52856	101		V011
	1,4	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	52253	101		V011
	1,5	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	51344	101		V011
	1,8	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	48915	105		V012
	2,1	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	48782	105		V012
	2,4	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	49025	105		V012
	2,7	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48563	107		V013
	3,1	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48539	107		V013
	3,5	**M8 (5m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	48040	114		V014
	4,3	**M7 (4m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	50497	114		V014
	5,2	**M7 (4m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	50009	124		V015
	3,9	**M8 (5m)**	4,0	37	975	**37,64**	**VR573.1K-112M/4-L05**	79711	184	216	V021
	4,4	**M8 (5m)**	4,0	42	868	**33,46**	**VR573.1K-112M/4-L05**	80636	184		V021
	5,2	**M8 (5m)**	5,5	49	1012	**28,30**	**VR573.1K-132S/4-L10**	80795	194		V022

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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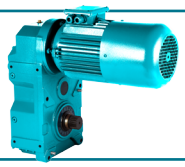
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø110	0,5	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	0,6	**M8 (5m)**	0,55	13	373	**106,69**	**VR373.1K-80/4a-L01**	22087	60		V002
	0,6	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	0,8	**M8 (5m)**	0,75	18	380	**79,34**	**VR373.1K-80/4b-L01**	20078	61		V003
	0,9	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	1,0	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	1,2	**M8 (5m)**	1,1	27	369	**52,30**	**VR373.1K-90S/4-L02**	17603	64		V004
	1,5	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	1,7	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	1,9	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	2,2	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	2,6	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø120	0,5	**M8 (5m)**	0,55	12	424	**121,67**	**VR373.1K-80/4a-L01**	22855	60	214	V002
	0,6	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	0,7	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	0,8	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,0	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	1,1	**M8 (5m)**	1,1	24	408	**57,79**	**VR373.1K-90S/4-L02**	18050	64		V004
	1,3	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	1,6	**M8 (5m)**	1,5	34	400	**41,42**	**VR373.1K-90L/4-L02**	16227	66		V005
	1,9	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	2,1	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	2,4	**M8 (5m)**	2,2	51	392	**27,53**	**VR373.1K-100L/4a-L04**	14231	70		V006
	2,8	**M8 (5m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	13305	73		V007
Ø130	0,6	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	0,7	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	0,8	**M8 (5m)**	0,75	15	450	**94,32**	**VR373.1K-80/4b-L01**	20983	61		V003
	0,9	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,1	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	1,2	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	1,4	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	1,7	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	2,0	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	2,2	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	2,6	**M8 (5m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	13760	73		V007
	3,0	**M7 (4m)**	3,0	59	458	**23,58**	**VR373.1K-100L/4b-L04**	16691	73		V007
Ø140	0,6	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	0,7	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	0,8	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	1,0	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,1	**M8 (5m)**	1,1	21	475	**67,45**	**VR373.1K-90S/4-L02**	18749	64		V004
	1,3	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	1,5	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	1,9	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	2,2	**M8 (5m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	15088	70		V006
	2,4	**M8 (5m)**	2,2	44	457	**32,11**	**VR373.1K-100L/4a-L04**	14750	70		V006
	2,8	**M7 (4m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	17307	73		V007
	3,3	**M7 (4m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	16186	77		V008
Ø150	0,7	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	0,8	**M8 (5m)**	0,75	13	508	**106,69**	**VR373.1K-80/4b-L01**	21639	61		V003
	0,9	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	1,0	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,2	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	1,4	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	1,6	**M8 (5m)**	1,5	27	504	**52,30**	**VR373.1K-90L/4-L02**	17159	66		V005
	2,0	**M8 (5m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	15609	70		V006
	2,3	**M7 (4m)**	2,2	39	504	**35,49**	**VR373.1K-100L/4a-L04**	18916	70		V006
	2,6	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	3,0	**M7 (4m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	17307	73		V007

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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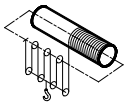

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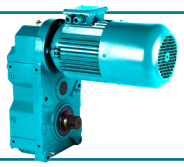
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer **D_T [mm]**	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit **V_h [m/min]**	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* **ISO (FEM)**	Potenza *Power* Leistung **[kW]**	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	Rapporto *Ratio* Übersetzung **i**	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	Peso *Weight* Gewicht ~ **[kg]**	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø150	3,5	**M7 (4m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	16186	77	214	V008
Ø160	0,7	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	0,8	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	0,9	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	1,1	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,3	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	1,5	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	1,7	**M8 (5m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	16381	70		V006
	2,1	**M7 (4m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	19619	70		V006
	2,5	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	2,7	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	3,2	**M7 (4m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	17307	73		V007
	3,7	**M7 (4m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	16186	77		V008
Ø170	0,8	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	0,9	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	1,0	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	1,2	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,4	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	1,6	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	1,8	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	2,3	**M7 (4m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	19619	70		V006
	2,6	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	2,9	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	3,4	**M7 (4m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	16719	77		V008
	4,0	**M6 (3m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	20293	77		V008
Ø180	0,8	**M8 (5m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	21453	64	214	V004
	0,9	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	1,0	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	1,2	**M8 (5m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	18822	66		V005
	1,5	**M7 (4m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	22820	66		V005
	1,7	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70		V006
	1,9	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	2,4	**M7 (4m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	19619	70		V006
	2,8	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	3,1	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	3,6	**M6 (3m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	21021	77		V008
	4,2	**M6 (3m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	20293	77		V008

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø320	6,6	**M6 (3m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	128244	302	217	V032
	7,4	**M6 (3m)**	11	7,4	13274	**189,61**	**VR673.1K-160M/4-L20**	122605	359		V033
	8,7	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	10,5	**M5 (2m)**	15	10	12888	**134,51**	**VR673.1K-160L/4-L20**	134888	379		V034
	11,7	**M5 (2m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	134335	379		V034
	13,8	**M5 (2m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	134003	379		V034
	16,0	**M5 (2m)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	131349	408		V035
	18,5	**M4 (1Am)**	22	18	10763	**76,17**	**VR673.1K-180L/4-L30**	139513	418		V036
	21,1	**M4 (1Am)**	30	21	12853	**66,59**	**VR673.1K-200L/4-L40**	134792	464		V037
	24,0	**M4 (1Am)**	30	24	11316	**58,54**	**VR673.1K-200L/4-L40**	135244	464		V037
	6,0	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	7,0	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	8,4	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	9,4	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	10,9	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	12,6	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	14,4	**M8 (5m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	139603	529		V042
	16,4	**M8 (5m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	142972	529		V042
	18,4	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	20,7	**M7 (4m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	151945	585		V044
	21,4	**M7 (4m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	151975	585		V044
	24,8	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	28,4	**M7 (4m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	149140	621		V045
Ø340	7,0	**M5 (2m)**	11	6,6	14895	**213,15**	**VR673.1K-160M/4-L20**	154780	359	217	V033
	7,9	**M5 (2m)**	11	7,4	13274	**189,61**	**VR673.1K-160M/4-L20**	146918	359		V033
	9,2	**M5 (2m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	142248	359		V033
	11,1	**M5 (2m)**	15	10	12888	**134,51**	**VR673.1K-160L/4-L20**	134888	379		V034
	12,5	**M4 (1Am)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	149157	379		V034
	14,6	**M4 (1Am)**	18,5	14	12082	**102,10**	**VR673.1K-180M/4-L30**	143744	408		V035
	17,0	**M4 (1Am)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	142533	408		V035
	19,6	**M4 (1Am)**	22	18	10763	**76,17**	**VR673.1K-180L/4-L30**	139513	418		V036
	22,4	**M4 (1Am)**	30	21	12853	**66,59**	**VR673.1K-200L/4-L40**	134792	464		V037
	6,4	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	7,5	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	9,0	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	10,0	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	11,6	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	13,4	**M7 (4m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	151201	500		V041
	15,3	**M7 (4m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	151194	529		V042
	17,4	**M7 (4m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	151445	539		V043
	19,6	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	22,0	**M7 (4m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	151945	585		V044
	22,8	**M7 (4m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	151975	585		V044
	26,3	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	30,2	**M6 (3m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	158284	621		V045
Ø360	6,8	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	7,9	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	9,5	**M7 (4m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	145330	480		V040
	10,6	**M7 (4m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	145184	500		V041
	12,3	**M7 (4m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	148486	500		V041
	14,2	**M7 (4m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	148501	529		V042
	16,2	**M7 (4m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	151194	529		V042
	18,4	**M7 (4m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	151445	539		V043
	20,7	**M6 (3m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	159674	585		V044
	23,3	**M6 (3m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	161329	585		V044
	24,1	**M6 (3m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	161331	585		V044
	27,9	**M6 (3m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	161114	585		V044
	32,0	**M6 (3m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	158284	621		V045

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

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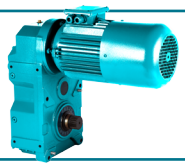
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø380	7,1	**M7 (4m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	135863	480	218	V040
	8,3	**M7 (4m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	141597	480		V040
	10,0	**M7 (4m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	145330	480		V040
	11,2	**M7 (4m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	145184	500		V041
	13,0	**M7 (4m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	148486	500		V041
	15,0	**M6 (3m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	162291	529		V042
	17,1	**M6 (3m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	163521	529		V042
	19,4	**M6 (3m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	162599	539		V043
	21,9	**M6 (3m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	159674	585		V044
	24,6	**M6 (3m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	161329	585		V044
	25,5	**M6 (3m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	161331	585		V044
	29,4	**M6 (3m)**	37	25	13588	**56,82**	**VR773.1K-225S/4-L50**	158343	621		V045
	33,8	**M5 (2m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	168175	621		V045
Ø400	7,5	**M7 (4m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	135863	480	218	V040
	8,8	**M7 (4m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	141597	480		V040
	10,6	**M6 (3m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	162144	500		V041
	11,8	**M6 (3m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	163326	500		V041
	13,7	**M6 (3m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	164154	500		V041
	15,8	**M6 (3m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	162291	529		V042
	18,0	**M6 (3m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	161155	539		V043
	20,4	**M6 (3m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	162599	539		V043
	23,0	**M5 (2m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	170752	585		V044
	25,9	**M5 (2m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	171479	585		V044
	26,8	**M5 (2m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	171452	585		V044
	30,9	**M5 (2m)**	37	25	13588	**56,82**	**VR773.1K-225S/4-L50**	168347	621		V045
	35,6	**M5 (2m)**	45	28	14405	**49,45**	**VR773.1K-225M/4-L50**	165414	645		V046
Ø420	7,9	**M7 (4m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	135863	480	218	V040
	9,2	**M6 (3m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	168144	480		V040
	11,1	**M6 (3m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	162144	500		V041
	12,4	**M6 (3m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	163326	500		V041
	14,3	**M6 (3m)**	18,5	11	15259	**128,81**	**VR773.1K-180M/4-L30**	161042	529		V042
	16,6	**M5 (2m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	177612	529		V042
	18,9	**M5 (2m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	174731	539		V043
	21,5	**M5 (2m)**	30	16	16611	**85,99**	**VR773.1K-200L/4-L40**	170019	585		V044
	24,2	**M5 (2m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	170752	585		V044
	27,1	**M5 (2m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	171479	585		V044
	28,1	**M5 (2m)**	37	21	15658	**65,59**	**VR773.1K-225S/4-L50**	168258	621		V045
	32,5	**M5 (2m)**	37	25	13588	**56,82**	**VR773.1K-225S/4-L50**	168347	621		V045
	37,3	**M4 (1Am)**	45	28	14405	**49,45**	**VR773.1K-225M/4-L50**	175878	645		V046
Ø440	8,3	**M6 (3m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	170499	480	218	V040
	9,7	**M6 (3m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	168144	480		V040
	11,6	**M6 (3m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	162144	500		V041
	13,0	**M5 (2m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	184012	500		V041
	15,0	**M5 (2m)**	18,5	11	15259	**128,81**	**VR773.1K-180M/4-L30**	178645	529		V042
	17,3	**M5 (2m)**	22	13	15745	**111,53**	**VR773.1K-180L/4-L30**	174911	539		V043
	19,8	**M5 (2m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	174731	539		V043
	22,5	**M5 (2m)**	30	16	16611	**85,99**	**VR773.1K-200L/4-L40**	170019	585		V044
	25,4	**M5 (2m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	170752	585		V044
Ø450	8,5	**M6 (3m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	170499	480	218	V040
	9,9	**M6 (3m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	168144	480		V040
	11,9	**M5 (2m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	187054	500		V041
	13,3	**M5 (2m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	184012	500		V041
	15,4	**M5 (2m)**	18,5	11	15259	**128,81**	**VR773.1K-180M/4-L30**	178645	529		V042
	17,7	**M5 (2m)**	22	13	15745	**111,53**	**VR773.1K-180L/4-L30**	174911	539		V043
	20,3	**M5 (2m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	174731	539		V043
	23,0	**M5 (2m)**	30	16	16611	**85,99**	**VR773.1K-200L/4-L40**	170019	585		V044
	25,9	**M4 (1Am)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	182528	585		V044

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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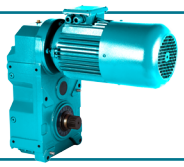

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø270	4,1	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	4,7	**M5 (2m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	95998	194		V022
	5,5	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	6,8	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	7,6	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	8,6	**M4 (1Am)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	96732	261		V024
	10,2	**M4 (1Am)**	15	24	5646	**58,36**	**VR573.1K-160L/4-L20**	93788	281		V025
	11,4	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	13,9	**M4 (1Am)**	18,5	33	5099	**42,62**	**VR573.1K-180M/4-L30**	92304	311		V026
	15,8	**M4 (1Am)**	18,5	37	4511	**37,64**	**VR573.1K-180M/4-L30**	92600	311		V026
	2,8	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	3,1	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	3,7	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	4,4	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	5,0	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	5,8	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	6,8	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	7,8	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	8,9	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	10,1	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø280	4,3	**M5 (2m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	97770	194	216	V022
	4,9	**M5 (2m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	95998	194		V022
	5,7	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	7,0	**M5 (2m)**	11	16	6203	**87,90**	**VR573.1K-160M/4-L20**	88428	261		V024
	7,9	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	8,9	**M4 (1Am)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	96732	261		V024
	10,5	**M4 (1Am)**	15	24	5646	**58,36**	**VR573.1K-160L/4-L20**	93788	281		V025
	11,8	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	14,4	**M4 (1Am)**	18,5	33	5099	**42,62**	**VR573.1K-180M/4-L30**	92304	311		V026
	2,9	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	3,2	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	3,8	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	4,6	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	5,1	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	6,0	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	7,0	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	8,1	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	9,2	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	10,5	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø290	3,0	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	3,4	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	3,9	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	4,7	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	5,3	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	6,2	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	7,3	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	8,4	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	9,6	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	10,9	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø300	3,1	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	3,5	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	4,1	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	4,9	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	5,5	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	6,5	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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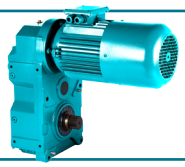
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø300	7,5	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359	217	V033
	8,7	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	9,9	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	11,3	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø320	3,3	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	3,7	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	4,4	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	5,2	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	5,9	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	6,9	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	8,0	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	9,2	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	10,6	**M8 (5m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	110559	379		V034
	12,0	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø340	3,5	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	3,9	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	4,6	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	5,6	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	6,2	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	7,3	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	8,5	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	9,8	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	11,2	**M8 (5m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	110559	379		V034
	12,8	**M7 (4m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	119544	379		V034
	13,2	**M8 (5m)**	15	25	5508	**56,82**	**VR773.1K-160L/4-L20**	148954	500	218	V041
	15,1	**M8 (5m)**	18,5	28	5922	**49,45**	**VR773.1K-180M/4-L30**	146772	529		V042
Ø360	3,7	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	4,2	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	4,9	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	5,9	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	6,6	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	7,8	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	9,0	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	10,4	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	11,9	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	13,5	**M7 (4m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	119544	379		V034
	10,4	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500	218	V041
	11,6	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	12,1	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	13,9	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	16,0	**M8 (5m)**	18,5	28	5922	**49,45**	**VR773.1K-180M/4-L30**	146772	529		V042
Ø380	3,9	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	4,4	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	5,2	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	6,2	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	7,0	**M8 (5m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	101816	359		V033
	8,2	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	9,5	**M7 (4m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	117080	359		V033
	11,0	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	12,5	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	14,3	**M7 (4m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	117809	408		V035

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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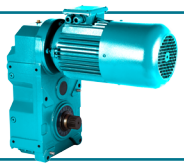
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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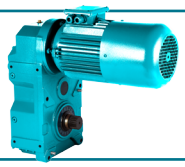
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer **D_T [mm]**	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit **V_h [m/min]**	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* **ISO (FEM)**	Potenza *Power* Leistung **[kW]**	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	Rapporto *Ratio* Übersetzung **i**	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	Peso *Weight* Gewicht ~ **[kg]**	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø380	8,6	**M8 (5m)**	11	14	6898	**97,55**	**VR773.1K-160M/4-L20**	144673	480	218	V040
	9,7	**M8 (5m)**	11	16	6091	**85,99**	**VR773.1K-160M/4-L20**	147449	480		V040
	10,9	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	12,3	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	12,7	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	14,7	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	16,9	**M8 (5m)**	18,5	28	5922	**49,45**	**VR773.1K-180M/4-L30**	146772	529		V042

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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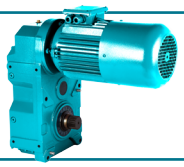
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø170	1,4	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	1,5	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	1,8	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	1,9	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	2,3	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	2,6	**M6 (3m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	52125	107		V013
	3,0	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	3,4	**M6 (3m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	51785	114		V014
	3,9	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	4,5	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	5,5	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	6,6	**M5 (2m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	53176	134		V016
	1,1	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	1,3	**M8 (5m)**	1,5	9,8	1371	**143,35**	**VR573.1K-90L/4-L02**	63661	170		V018
	1,5	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	1,7	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	2,1	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	2,4	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	2,7	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	3,2	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	3,6	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	4,4	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	5,0	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	5,6	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	6,6	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø180	1,4	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	1,6	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	1,9	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	2,1	**M7 (4m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	47241	107		V013
	2,4	**M6 (3m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	51737	107		V013
	2,8	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014
	3,2	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	3,6	**M6 (3m)**	5,5	26	1924	**54,35**	**VR473.1K-132S/4-L10**	50298	124		V015
	4,2	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	4,8	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	5,8	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	7,0	**M5 (2m)**	11	49	2033	**28,45**	**VR473.1K-160M/4-L20**	51344	191		V017
	1,2	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	1,4	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,6	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	1,8	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	2,3	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	2,5	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	2,9	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	3,4	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	3,8	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	4,6	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	5,3	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	5,9	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	7,0	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø190	1,5	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	1,7	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	2,1	**M6 (3m)**	3,0	14	1943	**101,48**	**VR473.1K-100L/4b-L04**	50240	107		V013
	2,2	**M6 (3m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	50796	107		V013
	2,6	**M6 (3m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	51737	107		V013
	3,0	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014
	3,4	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	3,8	**M5 (2m)**	5,5	26	1924	**54,35**	**VR473.1K-132S/4-L10**	52877	124		V015
	4,4	**M5 (2m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	53287	124		V015

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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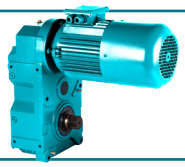
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø190	5,0	**M5 (2m)**	7,5	34	2012	**41,50**	**VR473.1K-132M/4-L10**	52121	134	215	V016
	6,1	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	7,3	**M4 (1Am)**	11	49	2033	**28,45**	**VR473.1K-160M/4-L20**	53428	191		V017
	1,3	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	1,5	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,6	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	1,9	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	2,4	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	2,7	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	3,0	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	3,6	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	4,0	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	4,9	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	5,5	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	6,2	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	7,4	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø200	1,6	**M4 (1Am)**	2,2	49	1930	**28,45**	**VR473.1K-100L/4a-L04**	62819	105	215	V012
	1,3	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	1,5	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,7	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	2,1	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	2,5	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	2,8	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	3,2	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	3,8	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	4,2	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	5,2	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	5,8	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	6,6	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	7,8	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø210	1,4	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	1,6	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,8	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	2,2	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	2,6	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	3,0	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	3,3	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	4,0	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	4,4	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	5,4	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	6,1	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	6,9	**M8 (5m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	78174	261		V024
	8,2	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø220	1,5	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	1,7	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,9	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	2,3	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	2,8	**M8 (5m)**	4,0	16	2256	**87,90**	**VR573.1K-112M/4-L05**	70739	184		V021
	3,1	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	3,5	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	4,1	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	4,7	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	5,7	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	6,4	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	7,2	**M8 (5m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	78174	261		V024
	8,5	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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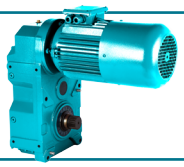
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer **D_T [mm]**	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit **V_h [m/min]**	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* **ISO (FEM)**	Potenza *Power* Leistung **[kW]**	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	Rapporto *Ratio* Übersetzung **i**	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	Peso *Weight* Gewicht ~ **[kg]**	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø230	1,5	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	1,8	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	2,0	**M8 (5m)**	3,0	11	2431	**126,81**	**VR573.1K-100L/4b-L04**	66248	177		V020
	2,4	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	2,9	**M8 (5m)**	4,0	16	2256	**87,90**	**VR573.1K-112M/4-L05**	70739	184		V021
	3,3	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	3,7	**M8 (5m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	73984	194		V022
	4,3	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	4,9	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	5,9	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	6,7	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	7,6	**M8 (5m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	78174	261		V024
	8,9	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø240	1,6	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	1,8	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	2,1	**M8 (5m)**	3,0	11	2431	**126,81**	**VR573.1K-100L/4b-L04**	66248	177		V020
	2,5	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	3,0	**M8 (5m)**	4,0	16	2256	**87,90**	**VR573.1K-112M/4-L05**	70739	184		V021
	3,4	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	3,8	**M8 (5m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	73984	194		V022
	4,5	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	5,1	**M8 (5m)**	7,5	27	2517	**51,97**	**VR573.1K-132M/4-L10**	75954	204		V023
	6,2	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	7,0	**M8 (5m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	76946	261		V024
	7,9	**M8 (5m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	78174	261		V024
	9,3	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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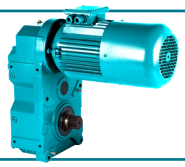
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø170	0,9	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	1,0	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	1,2	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	1,3	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	1,5	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	1,8	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	2,0	**M8 (5m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	47404	107		V013
	2,3	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48035	107		V013
	2,6	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107		V013
	3,0	**M7 (4m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	50385	114		V014
	3,6	**M7 (4m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	49834	124		V015
	4,4	**M7 (4m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	50314	124		V015
	2,9	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184	216	V021
	3,3	**M8 (5m)**	4,0	37	975	**37,64**	**VR573.1K-112M/4-L05**	79711	184		V021
	3,7	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	4,4	**M8 (5m)**	5,5	49	1012	**28,30**	**VR573.1K-132S/4-L10**	80795	194		V022
Ø180	1,0	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	1,1	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	1,3	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	1,4	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	1,6	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	1,9	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	2,1	**M8 (5m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	47404	107		V013
	2,4	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48035	107		V013
	2,8	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	3,2	**M7 (4m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	50385	114		V014
	3,8	**M7 (4m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	49834	124		V015
	4,6	**M7 (4m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	50314	124		V015
	3,1	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184	216	V021
	3,5	**M8 (5m)**	4,0	37	975	**37,64**	**VR573.1K-112M/4-L05**	79711	184		V021
	3,9	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	4,7	**M8 (5m)**	5,5	49	1012	**28,30**	**VR573.1K-132S/4-L10**	80795	194		V022
Ø190	1,0	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	1,1	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	1,4	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	1,5	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	1,7	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	2,0	**M8 (5m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	46686	107		V013
	2,3	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	2,6	**M7 (4m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	50367	107		V013
	2,9	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	3,4	**M7 (4m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	50385	114		V014
	4,1	**M7 (4m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	49834	124		V015
	4,9	**M6 (3m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	52211	124		V015
	2,4	**M8 (5m)**	3,0	24	1129	**58,36**	**VR573.1K-100L/4b-L04**	77055	177	216	V020
	2,7	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	3,3	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184		V021
	3,7	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	4,2	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	4,9	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø200	1,1	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	1,2	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	1,4	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	1,5	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	1,8	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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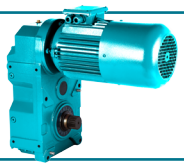
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø200	2,1	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107	215	V013
	2,4	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	2,7	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	3,1	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	3,5	**M7 (4m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	50385	114		V014
	4,3	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	5,2	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	2,1	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177	216	V020
	2,5	**M8 (5m)**	3,0	24	1129	**58,36**	**VR573.1K-100L/4b-L04**	77055	177		V020
	2,8	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	3,4	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184		V021
	3,9	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	4,4	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	5,2	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø210	1,1	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	1,3	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	1,5	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	1,6	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	1,9	**M7 (4m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	49911	105		V012
	2,2	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	2,5	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	2,8	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	3,2	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	3,7	**M7 (4m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	49245	124		V015
	4,5	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	5,4	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	1,8	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174	216	V019
	2,0	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	2,2	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	2,6	**M8 (5m)**	3,0	24	1129	**58,36**	**VR573.1K-100L/4b-L04**	77055	177		V020
	3,0	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	3,6	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	4,1	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	4,6	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	5,4	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø220	1,2	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	1,3	**M8 (5m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	42949	105		V012
	1,6	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	1,7	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	2,0	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	2,3	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	2,6	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	3,0	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	3,4	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	3,9	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	4,7	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	5,7	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	1,5	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	67942	174	216	V019
	1,8	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	70434	174		V019
	2,1	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	71552	177		V020
	2,3	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	73688	177		V020
	2,8	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	74078	184		V021
	3,1	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	75747	184		V021
	3,8	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	75629	194		V022
	4,3	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	77011	194		V022
	4,8	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	78232	194		V022
	5,7	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	78029	204		V023

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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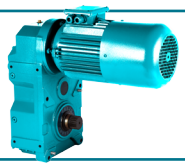
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø230	1,2	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	1,4	**M8 (5m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	42949	105		V012
	1,7	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	1,8	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	2,1	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	2,4	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	2,7	**M7 (4m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	48765	114		V014
	3,1	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	3,6	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	4,1	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	4,9	**M6 (3m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	50582	134		V016
	5,9	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	1,6	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174	216	V019
	1,9	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174		V019
	2,2	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	2,4	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	2,9	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	3,2	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	4,0	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	4,5	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	5,0	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	6,0	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø240	1,3	**M7 (4m)**	1,5	10	6052	**138,35**	**VR473.1K-90L/4-L02**	46312	101	215	V011
	1,4	**M7 (4m)**	2,2	12	6528	**121,49**	**VR473.1K-100L/4a-L04**	42459	105		V012
	1,7	**M7 (4m)**	2,2	14	4914	**101,48**	**VR473.1K-100L/4a-L04**	45276	105		V012
	1,8	**M7 (4m)**	2,2	15	3578	**95,87**	**VR473.1K-100L/4a-L04**	47511	105		V012
	2,2	**M7 (4m)**	3,0	17	2443	**81,00**	**VR473.1K-100L/4b-L04**	48203	107		V013
	2,5	**M7 (4m)**	3,0	20	1796	**70,59**	**VR473.1K-100L/4b-L04**	49238	107		V013
	2,8	**M6 (3m)**	4,0	23	1945	**61,85**	**VR473.1K-112M/4-L05**	51128	114		V014
	3,2	**M6 (3m)**	4,0	26	1639	**54,35**	**VR473.1K-112M/4-L05**	51684	114		V014
	3,7	**M6 (3m)**	5,5	30	1656	**47,37**	**VR473.1K-132S/4-L10**	50895	124		V015
	4,2	**M6 (3m)**	5,5	34	1345	**41,50**	**VR473.1K-132S/4-L10**	51448	124		V015
	5,1	**M6 (3m)**	7,5	41	1512	**34,28**	**VR473.1K-132M/4-L10**	50727	134		V016
	6,2	**M5 (2m)**	7,5	49	1240	**28,45**	**VR473.1K-132M/4-L10**	53261	134		V016
	1,1	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	1,2	**M8 (5m)**	1,5	9,8	1371	**143,35**	**VR573.1K-90L/4-L02**	63661	170		V018
	1,4	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	1,6	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	2,0	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	2,3	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	2,5	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	3,0	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	3,4	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	4,1	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	4,7	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	5,3	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	6,2	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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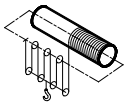

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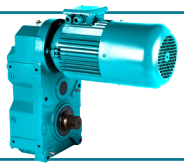
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø130	0,6	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	0,7	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	0,8	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	0,9	**M8 (5m)**	1,1	18	557	**79,34**	**VR373.1K-90S/4-L02**	19492	64		V004
	1,1	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	1,2	**M8 (5m)**	1,5	24	556	**57,79**	**VR373.1K-90L/4-L02**	17559	66		V005
	1,4	**M8 (5m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	16381	70		V006
	1,7	**M7 (4m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	19619	70		V006
	2,0	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	2,2	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	2,6	**M7 (4m)**	3,0	51	534	**27,53**	**VR373.1K-100L/4b-L04**	17307	73		V007
	3,0	**M6 (3m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	20293	77		V008
	1,5	**M8 (5m)**	2,2	30	672	**47,37**	**VR473.1K-100L/4a-L04**	49278	105	215	V012
	1,7	**M8 (5m)**	2,2	34	590	**41,50**	**VR473.1K-100L/4a-L04**	49682	105		V012
	2,1	**M8 (5m)**	3	41	666	**34,28**	**VR473.1K-100L/4b-L04**	49452	107		V013
	2,5	**M8 (5m)**	4	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø140	0,6	**M8 (5m)**	0,75	12	578	**121,67**	**VR373.1K-80/4b-L01**	22346	61	214	V003
	0,7	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	0,8	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	1,0	**M8 (5m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	18822	66		V005
	1,1	**M8 (5m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	18178	66		V005
	1,3	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70		V006
	1,5	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	1,9	**M7 (4m)**	2,2	34	587	**41,42**	**VR373.1K-100L/4a-L04**	19619	70		V006
	2,2	**M7 (4m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	18309	73		V007
	2,4	**M7 (4m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	17915	73		V007
	2,8	**M6 (3m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	21021	77		V008
	3,3	**M6 (3m)**	4,0	59	611	**23,58**	**VR373.1K-112M/4-L05**	20293	77		V008
	1,2	**M8 (5m)**	2,2	23	874	**61,85**	**VR473.1K-100L/4a-L04**	48305	105	215	V012
	1,4	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105		V012
	1,6	**M8 (5m)**	2,2	30	672	**47,37**	**VR473.1K-100L/4a-L04**	49278	105		V012
	1,9	**M8 (5m)**	2,2	34	590	**41,50**	**VR473.1K-100L/4a-L04**	49682	105		V012
	2,2	**M8 (5m)**	3,0	41	666	**34,28**	**VR473.1K-100L/4b-L04**	49452	107		V013
	2,7	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø150	0,7	**M8 (5m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	21453	64	214	V004
	0,8	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004
	0,9	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64		V004
	1,0	**M8 (5m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	18822	66		V005
	1,2	**M7 (4m)**	1,5	21	648	**67,45**	**VR373.1K-90L/4-L02**	22820	66		V005
	1,4	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70		V006
	1,6	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	2,0	**M7 (4m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	18912	73		V007
	2,3	**M6 (3m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	22953	73		V007
	2,6	**M6 (3m)**	3,0	44	623	**32,11**	**VR373.1K-100L/4b-L04**	22421	73		V007
	3,0	**M6 (3m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	21021	77		V008
	3,5	**M6 (3m)**	5,5	59	840	**23,58**	**VR373.1K-132S/4-L10**	19536	87		V009
	1,2	**M8 (5m)**	2,2	20	995	**70,59**	**VR473.1K-100L/4a-L04**	47712	105	215	V012
	1,3	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	1,5	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105		V012
	1,7	**M8 (5m)**	2,2	30	672	**47,37**	**VR473.1K-100L/4a-L04**	49278	105		V012
	2,0	**M8 (5m)**	3,0	34	805	**41,50**	**VR473.1K-100L/4b-L04**	49074	107		V013
	2,4	**M8 (5m)**	3,0	41	666	**34,28**	**VR473.1K-100L/4b-L04**	49452	107		V013
	2,9	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø160	0,7	**M8 (5m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	21453	64	214	V004
	0,8	**M8 (5m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	20854	64		V004

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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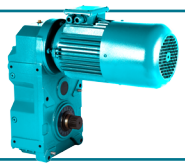
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø160	0,9	**M8 (5m)**	1,1	15	661	**94,32**	**VR373.1K-90S/4-L02**	20288	64	214	V004
	1,1	**M7 (4m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	23696	66		V005
	1,3	**M7 (4m)**	2,2	21	950	**67,45**	**VR373.1K-100L/4a-L04**	21821	70		V006
	1,5	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70		V006
	1,7	**M7 (4m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	20682	70		V006
	2,1	**M6 (3m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	23776	73		V007
	2,5	**M6 (3m)**	3,0	39	687	**35,49**	**VR373.1K-100L/4b-L04**	22953	73		V007
	2,7	**M6 (3m)**	4,0	44	830	**32,11**	**VR373.1K-112M/4-L05**	21735	77		V008
	3,2	**M6 (3m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	21021	77		V008
	3,7	**M6 (3m)**	5,5	59	840	**23,58**	**VR373.1K-132S/4-L10**	19536	87		V009
	1,1	**M8 (5m)**	2,2	15	1139	**95,87**	**VR473.1K-100L/4a-L04**	47038	105	215	V012
	1,2	**M8 (5m)**	2,2	17	995	**81,00**	**VR473.1K-100L/4a-L04**	47712	105		V012
	1,4	**M8 (5m)**	2,2	20	874	**70,59**	**VR473.1K-100L/4a-L04**	48305	105		V012
	1,6	**M8 (5m)**	2,2	23	769	**61,85**	**VR473.1K-100L/4a-L04**	48828	105		V012
	1,9	**M8 (5m)**	2,2	26	672	**54,35**	**VR473.1K-100L/4a-L04**	49278	105		V012
	2,1	**M8 (5m)**	3,0	30	804	**47,37**	**VR473.1K-100L/4b-L04**	49074	107		V013
	2,6	**M8 (5m)**	3,0	34	666	**41,50**	**VR473.1K-100L/4b-L04**	49452	107		V013
	3,1	**M8 (5m)**	4,0	41	739	**34,28**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø170	0,8	**M8 (5m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	21453	64	214	V004
	0,9	**M7 (4m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	26182	64		V004
	1,0	**M7 (4m)**	1,5	15	901	**94,32**	**VR373.1K-90L/4-L02**	24628	66		V005
	1,2	**M7 (4m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	23696	66		V005
	1,4	**M7 (4m)**	2,2	21	950	**67,45**	**VR373.1K-100L/4a-L04**	21821	70		V006
	1,6	**M7 (4m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	21133	70		V006
	1,8	**M6 (3m)**	2,2	27	739	**52,30**	**VR373.1K-100L/4a-L04**	25899	70		V006
	2,3	**M6 (3m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	23776	73		V007
	2,6	**M6 (3m)**	4,0	39	916	**35,49**	**VR373.1K-112M/4-L05**	22195	77		V008
	2,9	**M6 (3m)**	4,0	44	830	**32,11**	**VR373.1K-112M/4-L05**	21735	77		V008
	3,4	**M6 (3m)**	4,0	51	712	**27,53**	**VR373.1K-112M/4-L05**	21021	77		V008
	4,0	**M5 (2m)**	5,5	59	840	**23,58**	**VR373.1K-132S/4-L10**	24699	87		V009
	0,9	**M8 (5m)**	1,1	14	712	**101,48**	**VR473.1K-90S/4-L02**	46151	99	215	V010
	1,0	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	1,2	**M8 (5m)**	2,2	17	1139	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	1,3	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	1,5	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	1,7	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105		V012
	2,0	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107		V013
	2,3	**M8 (5m)**	3,0	34	805	**41,50**	**VR473.1K-100L/4b-L04**	49074	107		V013
	2,7	**M8 (5m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	48823	114		V014
	3,3	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø180	0,8	**M7 (4m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	26995	64	214	V004
	0,9	**M7 (4m)**	1,1	13	746	**106,69**	**VR373.1K-90S/4-L02**	26182	64		V004
	1,0	**M7 (4m)**	1,5	15	901	**94,32**	**VR373.1K-90L/4-L02**	24628	66		V005
	1,2	**M7 (4m)**	1,5	18	760	**79,34**	**VR373.1K-90L/4-L02**	23696	66		V005
	1,5	**M7 (4m)**	2,2	21	950	**67,45**	**VR373.1K-100L/4a-L04**	21821	70		V006
	1,7	**M6 (3m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	26509	70		V006
	1,9	**M6 (3m)**	3,0	27	1007	**52,30**	**VR373.1K-100L/4b-L04**	25010	73		V007
	2,4	**M6 (3m)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	23776	73		V007
	2,8	**M6 (3m)**	4,0	39	916	**35,49**	**VR373.1K-112M/4-L05**	22195	77		V008
	3,1	**M6 (3m)**	4,0	44	830	**32,11**	**VR373.1K-112M/4-L05**	21735	77		V008
	0,7	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	0,8	**M8 (5m)**	1,1	12	850	**121,49**	**VR473.1K-90S/4-L02**	45356	99		V010
	1,0	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	1,0	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	1,2	**M8 (5m)**	2,2	17	1139	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	1,4	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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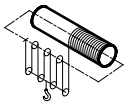

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø180	1,6	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105	215	V012
	1,8	**M8 (5m)**	2,2	26	770	**54,35**	**VR473.1K-100L/4a-L04**	48828	105		V012
	2,1	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107		V013
	2,4	**M8 (5m)**	3,0	34	805	**41,50**	**VR473.1K-100L/4b-L04**	49074	107		V013
	2,9	**M8 (5m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	48823	114		V014
	3,5	**M8 (5m)**	4,0	49	739	**28,45**	**VR473.1K-112M/4-L05**	49247	114		V014
Ø190	0,9	**M6 (3m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	33718	64	214	V004
	1,0	**M6 (3m)**	1,5	13	1017	**106,69**	**VR373.1K-90L/4-L02**	31748	66		V005
	1,1	**M5 (2m)**	1,5	15	901	**94,32**	**VR373.1K-90L/4-L02**	38685	66		V005
	1,3	**M5 (2m)**	2,2	18	1114	**79,34**	**VR373.1K-100L/4a-L04**	35869	70		V006
	1,5	**M5 (2m)**	2,2	21	950	**67,45**	**VR373.1K-100L/4a-L04**	34531	70		V006
	1,8	**M5 (2m)**	2,2	24	815	**57,79**	**VR373.1K-100L/4a-L04**	33267	70		V006
	2,0	**M5 (2m)**	3,0	27	1007	**52,30**	**VR373.1K-100L/4b-L04**	31569	73		V007
	2,5	**M4 (1Am)**	3,0	34	801	**41,42**	**VR373.1K-100L/4b-L04**	37421	73		V007
	2,9	**M4 (1Am)**	4,0	39	916	**35,49**	**VR373.1K-112M/4-L05**	35220	77		V008
	3,3	**M4 (1Am)**	4,0	44	830	**32,11**	**VR373.1K-112M/4-L05**	34375	77		V008
	0,8	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	0,9	**M8 (5m)**	1,1	12	850	**121,49**	**VR473.1K-90S/4-L02**	45356	99		V010
	1,0	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	1,1	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	1,3	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	1,5	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	1,7	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	48305	105		V012
	1,9	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48035	107		V013
	2,2	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107		V013
	2,5	**M8 (5m)**	3,0	34	805	**41,50**	**VR473.1K-100L/4b-L04**	49074	107		V013
	3,0	**M8 (5m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	48823	114		V014
	3,7	**M8 (5m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	48462	124		V015
Ø200	0,9	**M5 (2m)**	1,1	12	848	**121,67**	**VR373.1K-90S/4-L02**	42169	64	214	V004
	1,0	**M5 (2m)**	1,5	13	1017	**106,69**	**VR373.1K-90L/4-L02**	39872	66		V005
	1,2	**M5 (2m)**	1,5	15	901	**94,32**	**VR373.1K-90L/4-L02**	38685	66		V005
	1,4	**M5 (2m)**	2,2	18	1114	**79,34**	**VR373.1K-100L/4a-L04**	35869	70		V006
	1,6	**M4 (1Am)**	2,2	21	950	**67,45**	**VR373.1K-100L/4a-L04**	43249	70		V006
	1,9	**M4 (1Am)**	3,0	24	1112	**57,79**	**VR373.1K-100L/4b-L04**	40608	73		V007
	2,1	**M4 (1Am)**	3,0	27	1007	**52,30**	**VR373.1K-100L/4b-L04**	39645	73		V007
	2,7	**M4 (1Am)**	4,0	34	1067	**41,42**	**VR373.1K-112M/4-L05**	36538	77		V008
	3,1	**M4 (1Am)**	4,0	39	916	**35,49**	**VR373.1K-112M/4-L05**	35220	77		V008
	0,8	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	55059	99	215	V010
	0,9	**M8 (5m)**	1,1	12	850	**121,49**	**VR473.1K-90S/4-L02**	53731	99		V010
	1,1	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	52253	101		V011
	1,1	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	51344	101		V011
	1,4	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	48915	105		V012
	1,6	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	48782	105		V012
	1,8	**M8 (5m)**	2,2	23	875	**61,85**	**VR473.1K-100L/4a-L04**	49025	105		V012
	2,0	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48563	107		V013
	2,3	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48539	107		V013
	2,6	**M8 (5m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	48040	114		V014
	3,2	**M8 (5m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	48552	114		V014
	3,9	**M7 (4m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	50009	124		V015
	3,9	**M8 (5m)**	5,5	49	1012	**28,30**	**VR573.1K-132S/4-L10**	80795	194	216	V022

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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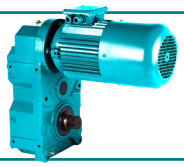

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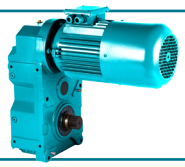
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø280	2,9	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	3,2	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	3,8	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	4,6	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	5,1	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	6,0	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	7,0	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	8,1	**M8 (5m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	108112	379		V034
	9,2	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	10,5	**M7 (4m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	119544	379		V034
	9,0	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500	218	V041
	9,4	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	10,8	**M8 (5m)**	15	25	5508	**56,82**	**VR773.1K-160L/4-L20**	148954	500		V041
	12,4	**M8 (5m)**	18,5	28	5922	**49,45**	**VR773.1K-180M/4-L30**	146772	529		V042
Ø300	3,1	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	3,5	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	4,1	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	4,9	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	5,5	**M8 (5m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	101816	359		V033
	6,5	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	7,5	**M7 (4m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	117080	359		V033
	8,7	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	9,9	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	11,3	**M7 (4m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	117809	408		V035
	6,8	**M8 (5m)**	11	14	6898	**97,55**	**VR773.1K-160M/4-L20**	144673	480	218	V040
	7,7	**M8 (5m)**	11	16	6091	**85,99**	**VR773.1K-160M/4-L20**	147449	480		V040
	8,6	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	9,7	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	10,1	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	11,6	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	13,3	**M8 (5m)**	18,5	28	5922	**49,45**	**VR773.1K-180M/4-L30**	146772	529		V042
Ø320	3,3	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	3,7	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	4,4	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	5,2	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	5,9	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	6,9	**M7 (4m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	115154	359		V033
	8,0	**M7 (4m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	114123	379		V034
	9,2	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	10,6	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	12,0	**M6 (3m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	124980	408		V035
	5,5	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480	218	V040
	6,3	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	7,2	**M8 (5m)**	11	14	6898	**97,55**	**VR773.1K-160M/4-L20**	144673	480		V040
	8,2	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	9,2	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	10,3	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	10,7	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	12,4	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	14,2	**M8 (5m)**	22	28	7043	**49,45**	**VR773.1K-180L/4-L30**	145565	539		V043
Ø340	3,5	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	3,9	**M8 (5m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	90345	302		V032
	4,6	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	5,6	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	6,2	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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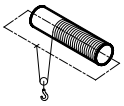

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø340	7,3	**M7 (4m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	115154	359	217	V033
	8,5	**M7 (4m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	114123	379		V034
	9,8	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	11,2	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	12,8	**M6 (3m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	124980	408		V035
	5,0	**M8 (5m)**	7,5	9,4	7157	**148,95**	**VR773.1K-132M/4-L10**	136422	423	218	V039
	5,8	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	6,7	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	7,7	**M8 (5m)**	11	14	6898	**97,55**	**VR773.1K-160M/4-L20**	144673	480		V040
	8,7	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	9,8	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	11,0	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	11,4	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	13,2	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	15,1	**M8 (5m)**	22	28	7043	**49,45**	**VR773.1K-180L/4-L30**	145565	539		V043
Ø360	3,7	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	4,2	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	4,9	**M7 (4m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	111358	302		V032
	5,9	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	6,6	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	7,8	**M7 (4m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	115154	359		V033
	9,0	**M7 (4m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	114123	379		V034
	10,4	**M6 (3m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	124716	379		V034
	11,9	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	13,5	**M6 (3m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	123245	408		V036
	4,0	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423	218	V039
	4,8	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423		V039
	5,3	**M8 (5m)**	7,5	9,4	7157	**148,95**	**VR773.1K-132M/4-L10**	136422	423		V039
	6,1	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	7,1	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	8,1	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	9,2	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	10,4	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	11,6	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	12,1	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	13,9	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	16,0	**M8 (5m)**	22	28	7043	**49,45**	**VR773.1K-180L/4-L30**	145565	539		V043
Ø380	3,9	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	4,4	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	5,2	**M7 (4m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	111358	302		V032
	6,2	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	7,0	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	8,2	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	9,5	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	11,0	**M6 (3m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	122466	408		V035
	12,5	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	14,3	**M6 (3m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	123245	418		V036
	3,6	**M8 (5m)**	5,5	6,0	8197	**233,77**	**VR773.1K-132S/4-L10**	116146	413	218	V038
	4,2	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	5,0	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423		V039
	5,6	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	6,5	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	7,5	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	8,6	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	9,7	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	10,9	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	12,3	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
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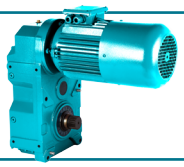

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø380	12,7	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529	218	V042
	14,7	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	16,9	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø400	4,1	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	4,6	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	5,4	**M7 (4m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	106615	359		V033
	6,5	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	7,3	**M6 (3m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	124880	359		V033
	8,6	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	10,0	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	11,5	**M6 (3m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	122466	408		V035
	13,2	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	15,0	**M5 (2m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	131003	418		V036
	3,8	**M8 (5m)**	5,5	6,0	8197	**233,77**	**VR773.1K-132S/4-L10**	116146	413	218	V038
	4,4	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	5,3	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423		V039
	5,9	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	6,8	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	7,9	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	9,0	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	10,2	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	11,5	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	12,9	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	13,4	**M8 (5m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	15,5	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	17,8	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø420	4,3	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	4,9	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	5,7	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	6,9	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	7,7	**M6 (3m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	124880	359		V033
	9,0	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	10,5	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	12,1	**M6 (3m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	122466	408		V035
	13,9	**M5 (2m)**	22	21	9425	**66,59**	**VR673.1K-180L/4-L30**	130294	418		V036
	15,8	**M5 (2m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	131003	418		V036
	3,9	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	4,6	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	5,5	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	6,2	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	7,2	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	8,3	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	9,5	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	10,7	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	12,1	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	13,6	**M8 (5m)**	22	21	9664	**68,02**	**VR773.1K-180L/4-L30**	146752	539		V043
	14,1	**M8 (5m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	16,2	**M8 (5m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	143016	585		V044
	18,7	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044

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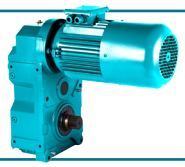

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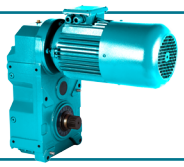
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø230	1,5	**M8 (5m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	54663	177	216	V020
	1,8	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177		V020
	2,0	**M8 (5m)**	3,0	11	2431	**126,81**	**VR573.1K-100L/4b-L04**	66248	177		V020
	2,4	**M8 (5m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	68315	184		V021
	2,9	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	3,3	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	3,7	**M7 (4m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	79923	194		V022
	4,3	**M7 (4m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	79721	204		V023
	4,9	**M7 (4m)**	7,5	27	2517	**51,97**	**VR573.1K-132M/4-L10**	80944	204		V023
	5,9	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	6,7	**M6 (3m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	85695	261		V024
	7,6	**M6 (3m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	86358	261		V024
	8,9	**M6 (3m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	85625	281		V025
	2,9	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292	217	V031
	3,3	**M8 (5m)**	5,5	18	2691	**76,17**	**VR673.1K-132S/4-L10**	114219	292		V031
	3,8	**M8 (5m)**	5,5	21	2356	**66,59**	**VR673.1K-132S/4-L10**	115907	292		V031
	4,3	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø240	1,6	**M8 (5m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	54663	177	216	V020
	1,8	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177		V020
	2,1	**M8 (5m)**	3,0	11	2431	**126,81**	**VR573.1K-100L/4b-L04**	66248	177		V020
	2,5	**M8 (5m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	68315	184		V021
	3,0	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	3,4	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	3,8	**M7 (4m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	79923	194		V022
	4,5	**M7 (4m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	79721	204		V023
	5,1	**M6 (3m)**	7,5	27	2517	**51,97**	**VR573.1K-132M/4-L10**	86182	204		V023
	6,2	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	7,0	**M6 (3m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	85695	261		V024
	7,9	**M6 (3m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	84951	281		V025
	9,3	**M6 (3m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	85625	281		V025
	3,0	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292	217	V031
	3,5	**M8 (5m)**	5,5	18	2691	**76,17**	**VR673.1K-132S/4-L10**	114219	292		V031
	4,0	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	4,5	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø250	1,7	**M8 (5m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	54663	177	216	V020
	1,9	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177		V020
	2,2	**M8 (5m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	64935	184		V021
	2,6	**M7 (4m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	76634	184		V021
	3,1	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	3,5	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	4,0	**M7 (4m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	78484	204		V023
	4,7	**M6 (3m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	85434	204		V023
	5,3	**M6 (3m)**	7,5	27	2517	**51,97**	**VR573.1K-132M/4-L10**	86182	204		V023
	6,4	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	7,3	**M6 (3m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	85695	261		V024
	8,2	**M6 (3m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	84951	281		V025
	9,7	**M5 (2m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	89793	281		V025
	2,7	**M8 (5m)**	4,0	14	2612	**102,10**	**VR673.1K-112M/4-L05**	111322	282	217	V030
	3,1	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	3,6	**M8 (5m)**	5,5	18	2691	**76,17**	**VR673.1K-132S/4-L10**	114219	292		V031
	4,1	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	4,7	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø260	1,7	**M8 (5m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	54663	177	216	V020
	2,0	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177		V020
	2,3	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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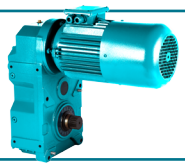
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø260	2,7	**M7 (4m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	76634	184	216	V021
	3,3	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	3,7	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	4,1	**M7 (4m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	78484	204		V023
	4,9	**M6 (3m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	85434	204		V023
	5,5	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	6,7	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	7,6	**M6 (3m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	85695	261		V024
	8,5	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	10,1	**M5 (2m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	89793	281		V025
	2,4	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282	217	V030
	2,8	**M8 (5m)**	4,0	14	2612	**102,10**	**VR673.1K-112M/4-L05**	111322	282		V030
	3,3	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	3,8	**M8 (5m)**	5,5	18	2691	**76,17**	**VR673.1K-132S/4-L10**	114219	292		V031
	4,3	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	4,9	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø270	1,8	**M8 (5m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	54663	177	216	V020
	2,1	**M7 (4m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	72735	177		V020
	2,3	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	2,8	**M7 (4m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	76634	184		V021
	3,4	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	3,8	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	4,3	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	5,1	**M6 (3m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	85434	204		V023
	5,7	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	7,0	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	7,9	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	8,9	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	10,5	**M5 (2m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	89793	281		V025
	2,2	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282	217	V030
	2,5	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282		V030
	2,9	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	3,4	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	3,9	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	4,5	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	5,1	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø280	1,9	**M7 (4m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	68308	177	216	V020
	2,1	**M7 (4m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	71254	184		V021
	2,4	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	2,9	**M7 (4m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	74965	194		V022
	3,5	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	4,0	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	4,5	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	5,3	**M6 (3m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	85434	204		V023
	5,9	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	7,2	**M5 (2m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	90156	261		V024
	8,2	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	9,2	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	10,9	**M5 (2m)**	18,5	49	3404	**28,30**	**VR573.1K-180M/4-L30**	88749	311		V026
	1,4	**M8 (5m)**	2,2	6,6	2979	**213,15**	**VR673.1K-100L/4a-L04**	90128	272	217	V028
	1,6	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	1,9	**M8 (5m)**	3,0	8,7	3094	**161,66**	**VR673.1K-100L/4b-L04**	102796	275		V029
	2,3	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282		V030
	2,6	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282		V030
	3,0	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	3,5	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	4,0	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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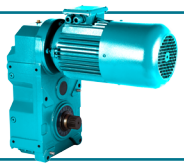
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø280	4,6	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302	217	V032
	5,3	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø290	1,9	**M7 (4m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	68308	177	216	V020
	2,2	**M7 (4m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	71254	184		V021
	2,5	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	3,0	**M7 (4m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	74965	194		V022
	3,6	**M6 (3m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	84567	194		V022
	4,1	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	4,6	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	5,5	**M6 (3m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	83300	261		V024
	6,1	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	7,5	**M5 (2m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	90156	261		V024
	8,5	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	9,5	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	11,3	**M5 (2m)**	18,5	49	3404	**28,30**	**VR573.1K-180M/4-L30**	88749	311		V026
	1,5	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	1,7	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	2,0	**M8 (5m)**	3,0	8,7	3094	**161,66**	**VR673.1K-100L/4b-L04**	102796	275		V029
	2,4	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282		V030
	2,7	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282		V030
	3,1	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	3,6	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	4,2	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	4,8	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	5,4	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø300	2,0	**M7 (4m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	68308	177	216	V020
	2,3	**M7 (4m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	71254	184		V021
	2,6	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	3,1	**M7 (4m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	74965	194		V022
	3,8	**M6 (3m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	84567	194		V022
	4,2	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	4,8	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	5,6	**M6 (3m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	83300	261		V024
	6,3	**M5 (2m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	89973	261		V024
	7,7	**M5 (2m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	90156	261		V024
	8,8	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	9,9	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	11,7	**M5 (2m)**	18,5	49	3404	**28,30**	**VR573.1K-180M/4-L30**	88749	311		V026
	1,5	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	1,7	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	2,0	**M8 (5m)**	3,0	8,7	3094	**161,66**	**VR673.1K-100L/4b-L04**	102796	275		V029
	2,5	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282		V030
	2,8	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282		V030
	3,2	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	3,8	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	4,3	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	5,0	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	5,6	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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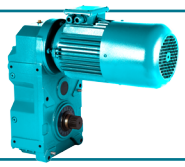
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø170	0,9	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	1,0	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	1,2	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	1,3	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	1,5	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	1,8	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	2,0	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	2,3	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	2,6	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	3,0	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	3,6	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	4,4	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	1,4	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174	216	V019
	1,6	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	1,8	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	2,1	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	2,4	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	2,9	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	3,3	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	3,7	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	4,4	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø180	1,0	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	1,1	**M8 (5m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	42949	105		V012
	1,3	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	1,4	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	1,6	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	1,9	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	2,1	**M7 (4m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	48765	114		V014
	2,4	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	2,8	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	3,2	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	3,8	**M6 (3m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	50582	134		V016
	4,6	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	1,5	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174	216	V019
	1,7	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	1,9	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	2,3	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	2,5	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	3,1	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	3,5	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	3,9	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	4,7	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø190	1,0	**M7 (4m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	47802	101	215	V011
	1,1	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	1,4	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	1,5	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	1,7	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	2,0	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	2,3	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	2,6	**M6 (3m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	51785	114		V014
	2,9	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	3,4	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	4,1	**M6 (3m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	50582	134		V016
	4,9	**M5 (2m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	53176	134		V016
	0,9	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	1,0	**M8 (5m)**	1,5	9,8	1371	**143,35**	**VR573.1K-90L/4-L02**	63661	170		V018
	1,1	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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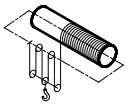

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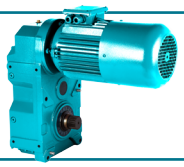
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø190	1,3	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174	216	V019
	1,6	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	1,8	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	2,0	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	2,4	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	2,7	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	3,3	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	3,7	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	4,2	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	4,9	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø200	1,1	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	1,2	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	1,4	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	1,5	**M7 (4m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	47241	107		V013
	1,8	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	2,1	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014
	2,4	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	2,7	**M6 (3m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	51785	114		V014
	3,1	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	3,5	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	4,3	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	5,2	**M5 (2m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	53176	134		V016
	0,9	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	1,0	**M8 (5m)**	1,5	9,8	1371	**143,35**	**VR573.1K-90L/4-L02**	63661	170		V018
	1,2	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V018
	1,4	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	1,7	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V019
	1,9	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	2,1	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V020
	2,5	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	2,8	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V021
	3,4	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	3,9	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V022
	4,4	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V022
	5,2	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø210	1,1	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	1,3	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	1,5	**M7 (4m)**	3,0	14	1943	**101,48**	**VR473.1K-100L/4b-L04**	46336	107		V013
	1,6	**M7 (4m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	47241	107		V013
	1,9	**M6 (3m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	51737	107		V013
	2,2	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014
	2,5	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	2,8	**M6 (3m)**	5,5	26	1924	**54,35**	**VR473.1K-132S/4-L10**	50298	124		V015
	3,2	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	3,7	**M5 (2m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	53641	124		V015
	4,5	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	5,4	**M5 (2m)**	11	49	2033	**28,45**	**VR473.1K-160M/4-L20**	51344	191		V017
	0,9	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	1,1	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,2	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	1,4	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	1,8	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	2,0	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	2,2	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	2,6	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	3,0	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	3,6	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	4,1	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	4,6	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø210	5,4	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261	216	V024
Ø220	1,2	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	1,3	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	1,6	**M6 (3m)**	3,0	14	1943	**101,48**	**VR473.1K-100L/4b-L04**	50240	107		V013
	1,7	**M6 (3m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	50796	107		V013
	2,0	**M6 (3m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	51737	107		V013
	2,3	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014
	2,6	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	3,0	**M5 (2m)**	5,5	26	1924	**54,35**	**VR473.1K-132S/4-L10**	52877	124		V015
	3,4	**M5 (2m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	53287	124		V015
	3,9	**M5 (2m)**	7,5	34	2012	**41,50**	**VR473.1K-132M/4-L10**	52121	134		V016
	4,7	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	5,7	**M4 (1Am)**	11	49	2033	**28,45**	**VR473.1K-160M/4-L20**	53428	191		V017
	1,0	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	1,1	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,3	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	1,5	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	1,8	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	2,1	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	2,3	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	2,8	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	3,1	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	3,8	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	4,3	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	4,8	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	5,7	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø230	1,2	**M4 (1Am)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	62819	105	215	V012
	1,4	**M4 (1Am)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	61623	105		V012
	1,0	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	1,2	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,3	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	1,6	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	1,9	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	2,2	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	2,4	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	2,9	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	3,2	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	4,0	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	4,5	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	5,0	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	6,0	**M7 (4m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	82923	261		V024
Ø240	1,1	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	1,2	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,4	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	1,6	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	2,0	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	2,3	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	2,5	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	3,0	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	3,4	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	4,1	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	4,7	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	5,3	**M7 (4m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	82192	261		V024
	6,2	**M7 (4m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	82923	261		V024

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

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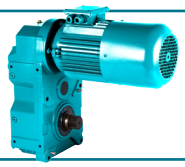
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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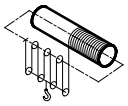

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø170	0,7	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	0,8	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	0,9	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	1,0	**M8 (5m)**	1,5	15	919	**95,87**	**VR473.1K-90L/4-L02**	46478	101		V011
	1,2	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	1,3	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	1,5	**M8 (5m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	47404	107		V013
	1,7	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48035	107		V013
	2,0	**M8 (5m)**	3,0	30	917	**47,37**	**VR473.1K-100L/4b-L04**	48586	107		V013
	2,3	**M8 (5m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	48314	114		V014
	2,7	**M7 (5m)**	4,0	41	889	**34,28**	**VR473.1K-112M/4-L05**	50778	114		V014
	3,3	**M7 (4m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	50314	124		V015
	2,5	**M8 (5m)**	4,0	37	975	**37,64**	**VR573.1K-112M/4-L05**	79711	184	216	V021
	2,8	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	3,3	**M8 (5m)**	5,5	49	1012	**28,30**	**VR573.1K-132S/4-L10**	80795	194		V022
Ø180	0,7	**M8 (5m)**	1,1	10	965	**138,35**	**VR473.1K-90S/4-L02**	44197	99	215	V010
	0,8	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	1,0	**M8 (5m)**	1,5	14	971	**101,48**	**VR473.1K-90L/4-L02**	45417	101		V011
	1,0	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	1,2	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	1,4	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	1,6	**M8 (5m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	47404	107		V013
	1,8	**M8 (5m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	48035	107		V013
	2,1	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	2,4	**M7 (4m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	50385	114		V014
	2,9	**M7 (4m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	49834	124		V015
	3,5	**M7 (4m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	50314	124		V015
	2,3	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184	216	V021
	2,6	**M8 (5m)**	4,0	37	975	**37,64**	**VR573.1K-112M/4-L05**	79711	184		V021
	3,0	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	3,5	**M8 (5m)**	5,5	49	1012	**28,30**	**VR573.1K-132S/4-L10**	80795	194		V022
Ø190	0,8	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	0,9	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	1,0	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	1,1	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	1,3	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	1,5	**M8 (5m)**	2,2	20	996	**70,59**	**VR473.1K-100L/4a-L04**	47712	105		V012
	1,7	**M8 (5m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	47404	107		V013
	1,9	**M7 (4m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	50367	107		V013
	2,2	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	2,5	**M7 (4m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	50385	114		V014
	3,0	**M7 (4m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	49834	124		V015
	3,7	**M7 (4m)**	5,5	49	1017	**28,45**	**VR473.1K-132S/4-L10**	50314	124		V015
	2,0	**M8 (5m)**	3,0	27	1007	**51,97**	**VR573.1K-100L/4b-L04**	78401	177	216	V020
	2,4	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184		V021
	2,8	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	3,1	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	3,7	**M8 (5m)**	5,5	49	1012	**28,30**	**VR573.1K-132S/4-L10**	80795	194		V022
Ø200	0,8	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	0,9	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	1,1	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	1,1	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	1,4	**M8 (5m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	47038	105		V012
	1,6	**M8 (5m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	46686	107		V013
	1,8	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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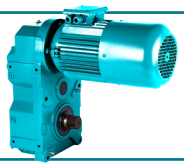
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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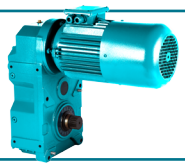
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø200	2,0	**M7 (4m)**	3,0	26	1050	**54,35**	**VR473.1K-100L/4b-L04**	50367	107	215	V013
	2,3	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	2,6	**M7 (4m)**	4,0	34	1073	**41,50**	**VR473.1K-112M/4-L05**	50385	114		V014
	3,2	**M7 (4m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	49834	124		V015
	3,9	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	1,9	**M8 (5m)**	3,0	24	1129	**58,36**	**VR573.1K-100L/4b-L04**	77055	177	216	V020
	2,1	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	2,6	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184		V021
	2,9	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	3,3	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	3,9	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø210	0,8	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	0,9	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	1,1	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	1,2	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	1,4	**M7 (4m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	49911	105		V012
	1,6	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	1,9	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	2,1	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	2,4	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	2,8	**M7 (4m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	49245	124		V015
	3,4	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	4,1	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	1,5	**M8 (5m)**	2,2	18	1098	**77,63**	**VR573.1K-100L/4a-L04**	74552	174	216	V019
	1,7	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	2,0	**M8 (5m)**	3,0	24	1129	**58,36**	**VR573.1K-100L/4b-L04**	77055	177		V020
	2,2	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	2,7	**M8 (5m)**	4,0	33	1102	**42,62**	**VR573.1K-112M/4-L05**	78683	184		V021
	3,1	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	3,4	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	4,1	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø220	0,9	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	1,0	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	1,2	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	1,3	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	1,5	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	1,7	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	2,0	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	2,2	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	2,6	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	2,9	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	3,5	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	4,2	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	1,4	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	70434	174	216	V019
	1,6	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	71552	177		V020
	1,8	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	73688	177		V020
	2,1	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	74078	184		V021
	2,3	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	75747	184		V021
	2,8	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	75629	194		V022
	3,2	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	77011	194		V022
	3,6	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	78232	194		V022
	4,3	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	78029	204		V023
Ø230	0,9	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	1,0	**M8 (5m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	42949	105		V012
	1,2	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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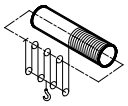

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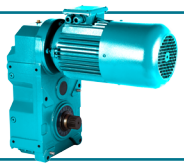
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø230	1,3	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105	215	V012
	1,6	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	1,8	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	2,0	**M7 (4m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	48765	114		V014
	2,3	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	2,7	**M6 (3m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	52174	114		V014
	3,0	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	3,7	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	4,4	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	1,2	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174	216	V019
	1,4	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174		V019
	1,6	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	1,8	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	2,2	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	2,4	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	3,0	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	3,4	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	3,8	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	4,5	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø240	1,0	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	54065	101	215	V011
	1,1	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	56137	105		V012
	1,3	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	55160	105		V012
	1,4	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	53829	105		V012
	1,6	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	50720	107		V013
	1,9	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	50478	107		V013
	2,1	**M7 (4m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	49520	114		V014
	2,4	**M6 (3m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	52362	114		V014
	2,8	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50824	124		V015
	3,2	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51079	124		V015
	3,8	**M6 (3m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	50291	134		V016
	4,6	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	50848	134		V016
	1,2	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174	216	V019
	1,5	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	1,7	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	1,9	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	2,3	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	2,5	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	3,1	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	3,5	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	3,9	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	4,7	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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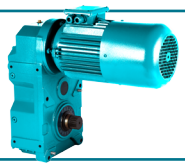
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø300	3,1	**M7 (4m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	105741	292	217	V031
	3,5	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	4,1	**M7 (4m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	111358	302		V032
	4,9	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	5,5	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	6,5	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	7,5	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	8,7	**M6 (3m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	124716	379		V034
	9,9	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	11,3	**M6 (3m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	123245	418		V036
	2,8	**M8 (5m)**	5,5	6,0	8197	**233,77**	**VR773.1K-132S/4-L10**	116146	413	218	V038
	3,3	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	4,0	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423		V039
	4,4	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	5,1	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	5,9	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	6,8	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	7,7	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	8,6	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	9,7	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	10,1	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	11,6	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	13,3	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø320	3,3	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	3,7	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	4,4	**M7 (4m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	106615	359		V033
	5,2	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	5,9	**M6 (3m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	124880	359		V033
	6,9	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	8,0	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	9,2	**M6 (3m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	122466	408		V035
	10,6	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	12,0	**M5 (2m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	131003	418		V036
	3,0	**M8 (5m)**	5,5	6,0	8197	**233,77**	**VR773.1K-132S/4-L10**	116146	413	218	V038
	3,5	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	4,2	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423		V039
	4,7	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	5,5	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	6,3	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	7,2	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	8,2	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	9,2	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	10,3	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	10,7	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	12,4	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	14,2	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø340	3,5	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	3,9	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	4,6	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	5,6	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	6,2	**M6 (3m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	124880	359		V033
	7,3	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	8,5	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	9,8	**M6 (3m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	122466	408		V035
	11,2	**M5 (2m)**	22	21	9425	**66,59**	**VR673.1K-180L/4-L30**	130294	418		V036
	12,8	**M5 (2m)**	30	24	11316	**58,54**	**VR673.1K-200L/4-L40**	127038	464		V037
	3,2	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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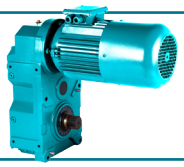
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø340	3,7	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423	218	V039
	4,5	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	5,0	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	5,8	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	6,7	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	7,7	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	8,7	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	9,8	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	11,0	**M8 (5m)**	22	21	9664	**68,02**	**VR773.1K-180L/4-L30**	146752	539		V043
	11,4	**M8 (5m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	13,2	**M8 (5m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	143016	585		V044
	15,1	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø360	3,7	**M6 (3m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	128244	302	217	V032
	4,2	**M6 (3m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	128155	302		V032
	4,9	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	5,9	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	6,6	**M6 (3m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	120850	379		V034
	7,8	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	9,0	**M5 (2m)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	131349	408		V035
	10,4	**M5 (2m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	131791	408		V035
	11,9	**M5 (2m)**	22	21	9425	**66,59**	**VR673.1K-180L/4-L30**	130294	418		V036
	13,5	**M5 (2m)**	30	24	11316	**58,54**	**VR673.1K-200L/4-L40**	127038	464		V037
	3,4	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	4,0	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	4,8	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	5,3	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	6,1	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	7,1	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	8,1	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	9,2	**M8 (5m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	142972	529		V042
	10,4	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	11,6	**M8 (5m)**	22	21	9664	**68,02**	**VR773.1K-180L/4-L30**	146752	539		V043
	12,1	**M8 (5m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	13,9	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	16,0	**M7 (4m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	151556	585		V044
Ø380	3,9	**M6 (3m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	128244	302	217	V032
	4,4	**M6 (3m)**	11	7,4	13274	**189,61**	**VR673.1K-160M/4-L20**	122605	359		V033
	5,2	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	6,2	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	7,0	**M5 (2m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	134335	379		V034
	8,2	**M5 (2m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	134003	379		V034
	9,5	**M5 (2m)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	131349	408		V035
	11,0	**M5 (2m)**	22	18	10763	**76,17**	**VR673.1K-180L/4-L30**	129541	418		V036
	12,5	**M5 (2m)**	22	21	9425	**66,59**	**VR673.1K-180L/4-L30**	130294	418		V036
	14,3	**M5 (2m)**	30	24	11316	**58,54**	**VR673.1K-200L/4-L40**	127038	464		V037
	3,6	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	4,2	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	5,0	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	5,6	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	6,5	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	7,5	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	8,6	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	9,7	**M8 (5m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	142972	529		V042
	10,9	**M8 (5m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	144021	539		V043
	12,3	**M7 (4m)**	22	21	9664	**68,02**	**VR773.1K-180L/4-L30**	155733	539		V043
	12,7	**M7 (4m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	155625	539		V043
	14,7	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	16,9	**M7 (4m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	151556	585		V044

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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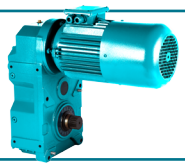
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø400	4,1	**M6 (3m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	128244	302	217	V032
	4,6	**M6 (3m)**	11	7,4	13274	**189,61**	**VR673.1K-160M/4-L20**	122605	359		V033
	5,4	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	6,5	**M5 (2m)**	15	10	12888	**134,51**	**VR673.1K-160L/4-L20**	134888	379		V034
	7,3	**M5 (2m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	134335	379		V034
	8,6	**M5 (2m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	134003	379		V034
	10,0	**M5 (2m)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	131349	408		V035
	11,5	**M4 (1Am)**	22	18	10763	**76,17**	**VR673.1K-180L/4-L30**	139513	418		V036
	3,8	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	4,4	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	5,3	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	5,9	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	6,8	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	7,9	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	9,0	**M8 (5m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	139603	529		V042
	10,2	**M7 (4m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	153534	529		V042
	11,5	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	12,9	**M7 (4m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	151945	585		V044
	13,4	**M7 (4m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	151975	585		V044
	15,5	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	17,8	**M7 (4m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	149140	621		V045
Ø420	4,3	**M5 (2m)**	11	6,6	14895	**213,15**	**VR673.1K-160M/4-L20**	154780	359	217	V033
	4,9	**M5 (2m)**	11	7,4	13274	**189,61**	**VR673.1K-160M/4-L20**	146918	359		V033
	5,7	**M5 (2m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	142248	359		V033
	6,9	**M5 (2m)**	15	10	12888	**134,51**	**VR673.1K-160L/4-L20**	134888	379		V034
	7,7	**M5 (2m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	134335	379		V034
	9,0	**M4 (1Am)**	18,5	14	12082	**102,10**	**VR673.1K-180M/4-L30**	143744	408		V035
	10,5	**M4 (1Am)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	142533	408		V035
	12,1	**M4 (1Am)**	22	18	10763	**76,17**	**VR673.1K-180L/4-L30**	139513	418		V036
	3,9	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	4,6	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	5,5	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	6,2	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	7,2	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	8,3	**M7 (4m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	151201	500		V041
	9,5	**M7 (4m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	151194	529		V042
	10,7	**M7 (4m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	151445	539		V043
	12,1	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	13,6	**M7 (4m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	151945	585		V044
	14,1	**M7 (4m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	151975	585		V044
	16,2	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	18,7	**M6 (3m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	158284	621		V045
Ø440	4,1	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	4,8	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	5,8	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	6,5	**M7 (4m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	145184	500		V041
	7,5	**M7 (4m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	148486	500		V041
	8,7	**M7 (4m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	151201	500		V041
	9,9	**M7 (4m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	151194	529		V042
	11,2	**M7 (4m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	151445	539		V043
	12,7	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	14,2	**M6 (3m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	161329	585		V044
	14,7	**M6 (3m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	161331	585		V044
	17,0	**M6 (3m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	161114	585		V044

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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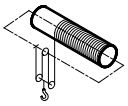

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø270	2,1	**M6 (3m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	84324	184	216	V021
	2,3	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	2,8	**M6 (3m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	84124	194		V022
	3,4	**M6 (3m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	82740	204		V023
	3,8	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	4,3	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	5,1	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	5,7	**M5 (2m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	89973	261		V024
	7,0	**M5 (2m)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	88370	281		V025
	7,9	**M4 (1Am)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	93983	281		V025
	8,9	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	10,5	**M4 (1Am)**	18,5	49	3404	**28,30**	**VR573.1K-180M/4-L30**	93109	311		V026
	1,4	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	1,6	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	1,8	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	2,2	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282		V030
	2,5	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	2,9	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	3,4	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	3,9	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	4,5	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	5,1	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø280	2,1	**M6 (3m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	84324	184	216	V021
	2,4	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	2,9	**M6 (3m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	84124	194		V022
	3,5	**M6 (3m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	82740	204		V023
	4,0	**M5 (2m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	91634	204		V023
	4,5	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	5,3	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	5,9	**M5 (2m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	89973	261		V024
	7,2	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	8,2	**M4 (1Am)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	93983	281		V025
	9,2	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	10,9	**M4 (1Am)**	22	49	4048	**28,30**	**VR573.1K-180L/4-L30**	92065	320		V027
	1,4	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	1,6	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	1,9	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	2,3	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	2,6	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	3,0	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	3,5	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	4,0	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	4,6	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	5,3	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø290	2,2	**M6 (3m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	84324	184	216	V021
	2,5	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	3,0	**M6 (3m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	84124	194		V022
	3,6	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	4,1	**M5 (2m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	91634	204		V023
	4,6	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	5,5	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	6,1	**M5 (2m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	89973	261		V024
	7,5	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	8,5	**M4 (1Am)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	93983	281		V025
	9,5	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	11,3	**M4 (1Am)**	22	49	4048	**28,30**	**VR573.1K-180L/4-L30**	92065	320		V027

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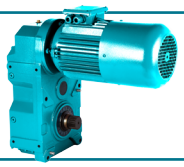
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø290	1,5	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	1,7	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	2,0	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	2,4	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	2,7	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	3,1	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	3,6	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	4,2	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	4,8	**M8 (5m)**	11	21	4713	66,59	**VR673.1K-160M/4-L20**	112811	359		V033
	5,4	**M8 (5m)**	11	24	4149	58,54	**VR673.1K-160M/4-L20**	114662	359		V033
Ø300	2,3	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	2,6	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	3,1	**M6 (3m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	84124	194		V022
	3,8	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	4,2	**M5 (2m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	91634	204		V023
	4,8	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	5,6	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	6,3	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	7,7	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	8,8	**M4 (1Am)**	18,5	37	4511	**37,64**	**VR573.1K-180M/4-L30**	92600	311		V026
	9,9	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	11,7	**M4 (1Am)**	22	49	4048	**28,30**	**VR573.1K-180L/4-L30**	92065	320		V027
	1,5	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	1,7	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	2,0	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	2,5	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	2,8	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	3,2	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	3,8	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	4,3	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	5,0	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	5,6	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø310	2,4	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	2,7	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	3,2	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	3,9	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	4,4	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	4,9	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	5,8	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	6,6	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	8,0	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	9,1	**M4 (1Am)**	18,5	37	4511	**37,64**	**VR573.1K-180M/4-L30**	92600	311		V026
	10,2	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	1,6	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	1,8	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	2,1	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	2,5	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	2,8	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	3,3	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	3,9	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	4,5	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	5,1	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	5,8	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø320	2,5	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

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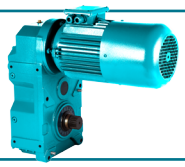
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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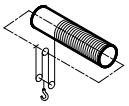

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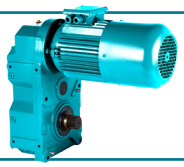
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø320	2,8	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194	216	V022
	3,3	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	4,0	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	4,5	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	5,1	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	6,0	**M4 (1Am)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	96227	261		V024
	6,8	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	8,3	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	1,6	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	1,9	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	2,2	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	2,6	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	2,9	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	3,4	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	4,0	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	4,6	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	5,3	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	6,0	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø330	2,5	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	2,9	**M5 (2m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	95998	194		V022
	3,4	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	4,1	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	4,7	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	5,3	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	6,2	**M4 (1Am)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	96227	261		V024
	7,0	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	8,5	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	1,7	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	1,9	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	2,2	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	2,7	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	3,0	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	3,6	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	4,1	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	4,8	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	5,4	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	6,2	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø340	2,6	**M5 (2m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	97770	194	216	V022
	2,9	**M5 (2m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	95998	194		V022
	3,5	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	4,3	**M5 (2m)**	11	16	6203	**87,90**	**VR573.1K-160M/4-L20**	88428	261		V024
	4,8	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	5,4	**M4 (1Am)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	96732	261		V024
	6,4	**M4 (1Am)**	15	24	5646	**58,36**	**VR573.1K-160L/4-L20**	93788	281		V025
	7,2	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	1,8	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	2,0	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	2,3	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	2,8	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	3,1	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	3,7	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	4,3	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	4,9	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	5,6	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	6,4	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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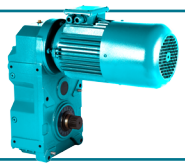
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø170	0,9	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	1,0	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	1,2	**M7 (4m)**	3,0	14	1943	**101,48**	**VR473.1K-100L/4b-L04**	46336	107		V013
	1,3	**M7 (4m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	47241	107		V013
	1,5	**M6 (3m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	51737	107		V013
	1,8	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014
	2,0	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	2,3	**M6 (3m)**	5,5	26	1924	54,35	**VR473.1K-132S/4-L10**	50298	124		V015
	2,6	**M6 (3m)**	5,5	30	1681	47,37	**VR473.1K-132S/4-L10**	50875	124		V015
	3,0	**M5 (2m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	53641	124		V015
	3,6	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	4,4	**M5 (2m)**	11	49	2033	**28,45**	**VR473.1K-160M/4-L20**	51344	191		V017
	0,8	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	0,9	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,0	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	1,2	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	1,4	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	1,6	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	1,8	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	2,1	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	2,4	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	2,9	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	3,3	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	3,7	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	4,4	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø180	1,0	**M5 (2m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	56657	105	215	V012
	1,1	**M5 (2m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	56319	105		V012
	1,3	**M5 (2m)**	3,0	14	1943	**101,48**	**VR473.1K-100L/4b-L04**	54539	107		V013
	1,4	**M5 (2m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	54682	107		V013
	1,6	**M4 (1Am)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	58418	107		V013
	1,9	**M4 (1Am)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	56977	114		V014
	2,1	**M4 (1Am)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	57016	114		V014
	2,4	**M4 (1Am)**	5,5	26	1924	**54,35**	**VR473.1K-132S/4-L10**	55575	124		V015
	2,8	**M4 (1Am)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	55805	124		V015
	0,8	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	0,9	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,0	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	1,2	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	1,5	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	1,7	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	1,9	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	2,3	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	2,5	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	3,1	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	3,5	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	3,9	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	4,7	**M7 (4m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	82923	261		V024
Ø190	0,9	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	1,0	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,1	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	1,3	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	1,6	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	1,8	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	2,0	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	2,4	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	2,7	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	3,3	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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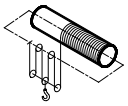

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø190	3,7	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204	216	V023
	4,2	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	4,9	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø200	0,9	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	1,0	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,2	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	1,4	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	1,7	**M8 (5m)**	4,0	16	2256	**87,90**	**VR573.1K-112M/4-L05**	70739	184		V021
	1,9	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	2,1	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	2,5	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	2,8	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	3,4	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	3,9	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	4,4	**M8 (5m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	78174	261		V024
	5,2	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø210	0,9	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	1,1	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,2	**M8 (5m)**	3,0	11	2431	**126,81**	**VR573.1K-100L/4b-L04**	66248	177		V020
	1,4	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	1,8	**M8 (5m)**	4,0	16	2256	**87,90**	**VR573.1K-112M/4-L05**	70739	184		V021
	2,0	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	2,2	**M8 (5m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	73984	194		V022
	2,6	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	3,0	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	3,6	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	4,1	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	4,6	**M8 (5m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	78174	261		V024
	5,4	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø220	1,0	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	1,1	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,3	**M8 (5m)**	3,0	11	2431	**126,81**	**VR573.1K-100L/4b-L04**	66248	177		V020
	1,5	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	1,8	**M8 (5m)**	4,0	16	2256	**87,90**	**VR573.1K-112M/4-L05**	70739	184		V021
	2,1	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	2,3	**M8 (5m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	73984	194		V022
	2,8	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	3,1	**M8 (5m)**	7,5	27	2517	**51,97**	**VR573.1K-132M/4-L10**	75954	204		V023
	3,8	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	4,3	**M8 (5m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	76946	261		V024
	4,8	**M8 (5m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	78174	261		V024
	5,7	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø230	1,0	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	1,2	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,3	**M8 (5m)**	3,0	11	2431	**126,81**	**VR573.1K-100L/4b-L04**	66248	177		V020
	1,6	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	1,9	**M8 (5m)**	4,0	16	2256	**87,90**	**VR573.1K-112M/4-L05**	70739	184		V021
	2,2	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	2,4	**M8 (5m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	73984	194		V022
	2,9	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	3,2	**M8 (5m)**	7,5	27	2517	**51,97**	**VR573.1K-132M/4-L10**	75954	204		V023
	4,0	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	4,5	**M8 (5m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	76946	261		V024
	5,0	**M8 (5m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	78174	261		V024
	6,0	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø240	1,1	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	1,2	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177		V020

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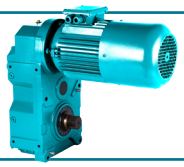

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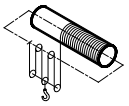

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer **D_T [mm]**	**Velocità di sollevamento** *Lifting Speed* Hubgesch-windigkeit **V_h [m/min]**	**Classe dell'app. di sollevamento** *Crane* Class* Kranklasse* **ISO (FEM)**	**Potenza** *Power* Leistung **[kW]**	**Velocità in uscita** *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	**Coppia in uscita** *Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	**Rapporto** *Ratio* Übersetzung **i**	**Tipo** *Type* Typ	**Carichi radiali ammessi (uscita)** *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	**Peso** *Weight* Gewicht ~ **[kg]**	**Tab. dimensioni** *Dim. Page* Maße Seite	**Rif. prezzo** *Price Ref.* Preis No.
Ø240	1,4	**M8 (5m)**	3,0	11	81432	**126,81**	**VR573.1K-100L/4b-L04**	66248	177	216	V020
	1,6	**M8 (5m)**	3,0	13	82473	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	2,0	**M8 (5m)**	4,0	16	82123	**87,90**	**VR573.1K-112M/4-L05**	70739	184		V021
	2,3	**M8 (5m)**	5,5	18	82072	**77,63**	**VR573.1K-132S/4-L10**	71885	194		V022
	2,5	**M8 (5m)**	5,5	20	83208	**69,00**	**VR573.1K-132S/4-L10**	73984	194		V022
	3,0	**M8 (5m)**	5,5	24	83917	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	3,4	**M8 (5m)**	7,5	27	83676	**51,97**	**VR573.1K-132M/4-L10**	75954	204		V023
	4,1	**M8 (5m)**	7,5	33	84228	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	4,7	**M8 (5m)**	11	37	83565	37,64	**VR573.1K-160M/4-L20**	76946	261		V024
	5,3	**M8 (5m)**	11	42	84372	33,46	**VR573.1K-160M/4-L20**	78174	261		V024
	6,2	**M8 (5m)**	15	49	83769	**28,30**	**VR573.1K-160L/4-L20**	77963	281		V025

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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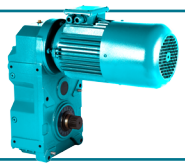

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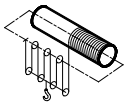

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø170	0,7	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	0,8	**M8 (5m)**	1,5	12	1159	**121,49**	**VR473.1K-90L/4-L02**	44481	101		V011
	0,9	**M8 (5m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	44133	105		V012
	1,0	**M8 (5m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	45263	105		V012
	1,2	**M7 (4m)**	2,2	17	1140	**81,00**	**VR473.1K-100L/4a-L04**	49911	105		V012
	1,3	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	1,5	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	1,7	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	2,0	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	2,3	**M7 (4m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	49245	124		V015
	2,7	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	3,3	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	1,2	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177	216	V020
	1,4	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	1,6	**M8 (5m)**	3,0	24	1129	**58,36**	**VR573.1K-100L/4b-L04**	77055	177		V020
	1,8	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	2,2	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	2,5	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	2,8	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	3,3	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø180	0,7	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	0,8	**M8 (5m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	42949	105		V012
	1,0	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	1,0	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	1,2	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	1,4	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	1,6	**M7 (4m)**	3,0	23	1193	**61,85**	**VR473.1K-100L/4b-L04**	49891	107		V013
	1,8	**M7 (4m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	49375	114		V014
	2,1	**M7 (4m)**	4,0	30	1222	**47,37**	**VR473.1K-112M/4-L05**	49913	114		V014
	2,4	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	2,9	**M6 (3m)**	5,5	41	1222	**34,28**	**VR473.1K-132S/4-L10**	51841	124		V015
	3,5	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016
	0,9	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174	216	V019
	1,1	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174		V019
	1,3	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	1,4	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	1,7	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	1,9	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	2,3	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	2,6	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	3,0	**M8 (5m)**	5,5	42	1194	**33,46**	**VR573.1K-132S/4-L10**	80109	194		V022
	3,5	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø190	0,8	**M8 (5m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	43204	101	215	V011
	0,9	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	1,0	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	1,1	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	1,3	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	1,5	**M7 (4m)**	3,0	20	1358	**70,59**	**VR473.1K-100L/4b-L04**	49351	107		V013
	1,7	**M7 (4m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	48765	114		V014
	1,9	**M6 (3m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	51785	114		V014
	2,2	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	2,5	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	3,0	**M6 (3m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	50582	134		V016
	3,7	**M6 (3m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	51165	134		V016

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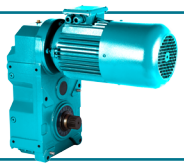

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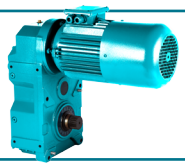
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø190	1,0	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174	216	V019
	1,2	**M8 (5m)**	2,2	16	1241	**87,90**	**VR573.1K-100L/4a-L04**	72384	174		V019
	1,3	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	1,5	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	1,8	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	2,0	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	2,4	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	2,8	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	3,1	**M8 (5m)**	7,5	42	1628	33,46	**VR573.1K-132M/4-L10**	79405	204		V023
	3,7	**M8 (5m)**	7,5	49	1380	28,30	**VR573.1K-132M/4-L10**	80199	204		V023
Ø200	0,8	**M7 (4m)**	1,5	10	1316	**138,35**	**VR473.1K-90L/4-L02**	47802	101	215	V011
	0,9	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	1,1	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	1,1	**M7 (4m)**	2,2	15	1347	**95,87**	**VR473.1K-100L/4a-L04**	48629	105		V012
	1,4	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	1,6	**M7 (4m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	48069	114		V014
	1,8	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	2,0	**M6 (3m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	51785	114		V014
	2,3	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	2,6	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	3,2	**M6 (3m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	50582	134		V016
	3,9	**M5 (2m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	53176	134		V016
	0,7	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	0,8	**M8 (5m)**	1,5	9,8	1371	**143,35**	**VR573.1K-90L/4-L02**	63661	170		V018
	0,9	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	1,0	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	1,3	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	1,4	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	1,6	**M8 (5m)**	3,0	20	1332	**69,00**	**VR573.1K-100L/4b-L04**	75782	177		V020
	1,9	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	2,1	**M8 (5m)**	4,0	27	1342	**51,97**	**VR573.1K-112M/4-L05**	77858	184		V021
	2,6	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	2,9	**M8 (5m)**	5,5	37	1341	**37,64**	**VR573.1K-132S/4-L10**	79119	194		V022
	3,3	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	3,9	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø210	0,8	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	0,9	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	1,1	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	1,2	**M7 (4m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	47241	107		V013
	1,4	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	1,6	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014
	1,9	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	2,1	**M6 (3m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	51785	114		V014
	2,4	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	2,8	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	3,4	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	4,1	**M5 (2m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	53176	134		V016
	0,7	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	0,8	**M8 (5m)**	1,5	9,8	1371	**143,35**	**VR573.1K-90L/4-L02**	63661	170		V018
	0,9	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	1,1	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	1,3	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	1,5	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	1,7	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	2,0	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	2,2	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	2,7	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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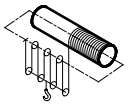

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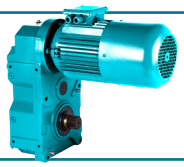
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø210	3,1	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204	216	V023
	3,4	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	4,1	**M8 (5m)**	7,5	49	1380	**28,30**	**VR573.1K-132M/4-L10**	80199	204		V023
Ø220	0,9	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	1,0	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	1,2	**M7 (4m)**	3,0	14	1943	**101,48**	**VR473.1K-100L/4b-L04**	46336	107		V013
	1,3	**M7 (4m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	47241	107		V013
	1,5	**M6 (3m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	51737	107		V013
	1,7	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014
	2,0	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	2,2	**M6 (3m)**	5,5	26	1924	**54,35**	**VR473.1K-132S/4-L10**	50298	124		V015
	2,6	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	2,9	**M5 (2m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	53641	124		V015
	3,5	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	4,2	**M5 (2m)**	11	49	2033	**28,45**	**VR473.1K-160M/4-L20**	51344	191		V017
	0,7	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	0,8	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,0	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	1,1	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	1,4	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	1,6	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	1,8	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	2,1	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	2,3	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	2,8	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	3,2	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	3,6	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	4,3	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø230	0,9	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	1,0	**M6 (3m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	51438	105		V012
	1,2	**M6 (3m)**	3,0	14	1943	**101,48**	**VR473.1K-100L/4b-L04**	50240	107		V013
	1,3	**M6 (3m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	50796	107		V013
	1,6	**M6 (3m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	51737	107		V013
	1,8	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014
	2,0	**M5 (2m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	54111	114		V014
	2,3	**M5 (2m)**	5,5	26	1924	**54,35**	**VR473.1K-132S/4-L10**	52877	124		V015
	2,7	**M5 (2m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	53287	124		V015
	3,0	**M5 (2m)**	7,5	34	2012	**41,50**	**VR473.1K-132M/4-L10**	52121	134		V016
	3,7	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	0,8	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	0,9	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,0	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	1,2	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	1,4	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	1,6	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	1,8	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	2,2	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	2,4	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	3,0	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	3,4	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	3,8	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	4,5	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø240	0,8	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	0,9	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,0	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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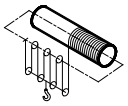

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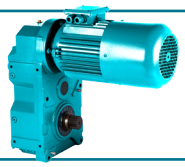
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer **D_T [mm]**	**Velocità di sollevamento** *Lifting Speed* Hubgesch-windigkeit **V_h [m/min]**	**Classe dell'app. di sollevamento** *Crane* Class* Kranklasse* **ISO (FEM)**	**Potenza** *Power* Leistung **[kW]**	**Velocità in uscita** *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	**Coppia in uscita** *Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	**Rapporto** *Ratio* Übersetzung **i**	**Tipo** *Type* Typ	**Carichi radiali ammessi (uscita)** *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	**Peso** *Weight* Gewicht ~ **[kg]**	**Tab. dimensioni** *Dim. Page* Maße Seite	**Rif. prezzo** *Price Ref.* Preis No.
Ø240	1,2	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177	216	V020
	1,5	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	1,7	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	1,9	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	2,3	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	2,5	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	3,1	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	3,5	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	3,9	**M8 (5m)**	7,5	42	1628	33,46	**VR573.1K-132M/4-L10**	79405	204		V023
	4,7	**M7 (4m)**	11	49	2024	28,30	**VR573.1K-160M/4-L20**	82923	261		V024

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø320	3,3	**M6 (3m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	128244	302	217	V032
	3,7	**M6 (3m)**	11	7,4	13274	**189,61**	**VR673.1K-160M/4-L20**	122605	359		V033
	4,4	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	5,2	**M5 (2m)**	15	10	12888	**134,51**	**VR673.1K-160L/4-L20**	134888	379		V034
	5,9	**M5 (2m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	134335	379		V034
	6,9	**M5 (2m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	134003	379		V034
	8,0	**M5 (2m)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	131349	408		V035
	9,2	**M4 (1Am)**	22	18	10763	**76,17**	**VR673.1K-180L/4-L30**	139513	418		V036
	10,6	**M4 (1Am)**	30	21	12853	**66,59**	**VR673.1K-200L/4-L40**	134792	464		V037
	12,0	**M4 (1Am)**	30	24	11316	**58,54**	**VR673.1K-200L/4-L40**	135244	464		V037
	3,0	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	3,5	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	4,2	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	4,7	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	5,5	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	6,3	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	7,2	**M8 (5m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	139603	529		V042
	8,2	**M7 (4m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	153534	529		V042
	9,2	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	10,3	**M7 (4m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	151945	585		V044
	10,7	**M7 (4m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	151975	585		V044
	12,4	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	14,2	**M7 (4m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	149140	621		V045
Ø340	3,5	**M5 (2m)**	11	6,6	14895	**213,15**	**VR673.1K-160M/4-L20**	154780	359	217	V033
	3,9	**M5 (2m)**	11	7,4	13274	**189,61**	**VR673.1K-160M/4-L20**	146918	359		V033
	4,6	**M5 (2m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	142248	359		V033
	5,6	**M5 (2m)**	15	10	12888	**134,51**	**VR673.1K-160L/4-L20**	134888	379		V034
	6,2	**M4 (1Am)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	149157	379		V034
	7,3	**M4 (1Am)**	18,5	14	12082	**102,10**	**VR673.1K-180M/4-L30**	143744	408		V035
	8,5	**M4 (1Am)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	142533	408		V035
	9,8	**M4 (1Am)**	22	18	10763	**76,17**	**VR673.1K-180L/4-L30**	139513	418		V036
	11,2	**M4 (1Am)**	30	21	12853	**66,59**	**VR673.1K-200L/4-L40**	134792	464		V037
	3,2	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	3,7	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	4,5	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	5,0	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	5,8	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	6,7	**M7 (4m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	151201	500		V041
	7,7	**M7 (4m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	151194	529		V042
	8,7	**M7 (4m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	151445	539		V043
	9,8	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	11,0	**M7 (4m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	151945	585		V044
	11,4	**M7 (4m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	151975	585		V044
	13,2	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	15,1	**M6 (3m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	158284	621		V045
Ø360	3,4	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	4,0	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	4,8	**M7 (4m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	145330	480		V040
	5,3	**M7 (4m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	145184	500		V041
	6,1	**M7 (4m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	148486	500		V041
	7,1	**M7 (4m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	148501	529		V042
	8,1	**M7 (4m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	151194	529		V042
	9,2	**M7 (4m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	151445	539		V043
	10,4	**M6 (3m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	159674	585		V044
	11,6	**M6 (3m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	161329	585		V044
	12,1	**M6 (3m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	161331	585		V044
	13,9	**M6 (3m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	161114	585		V044
	16,0	**M6 (3m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	158284	621		V045

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

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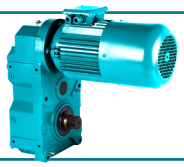
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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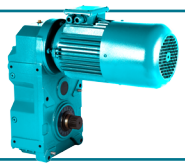
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø380	3,6	**M7 (4m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	135863	480	218	V040
	4,2	**M7 (4m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	141597	480		V040
	5,0	**M7 (4m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	145330	480		V040
	5,6	**M7 (4m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	145184	500		V041
	6,5	**M7 (4m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	148486	500		V041
	7,5	**M6 (3m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	162291	529		V042
	8,6	**M6 (3m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	161155	539		V043
	9,7	**M6 (3m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	162599	539		V043
	10,9	**M6 (3m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	159674	585		V044
	12,3	**M6 (3m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	161329	585		V044
	12,7	**M6 (3m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	161331	585		V044
	14,7	**M5 (2m)**	37	25	13588	**56,82**	**VR773.1K-225S/4-L50**	168347	621		V045
	16,9	**M5 (2m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	168175	621		V045
Ø400	3,8	**M7 (4m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	135863	480	218	V040
	4,4	**M7 (4m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	141597	480		V040
	5,3	**M6 (3m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	162144	500		V041
	5,9	**M6 (3m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	163326	500		V041
	6,8	**M6 (3m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	164154	500		V041
	7,9	**M6 (3m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	162291	529		V042
	9,0	**M6 (3m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	161155	539		V043
	10,2	**M6 (3m)**	30	16	16611	**85,99**	**VR773.1K-200L/4-L40**	157823	585		V044
	11,5	**M5 (2m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	170752	585		V044
	12,9	**M5 (2m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	171479	585		V044
	13,4	**M5 (2m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	171452	585		V044
	15,5	**M5 (2m)**	37	25	13588	**56,82**	**VR773.1K-225S/4-L50**	168347	621		V045
	17,8	**M5 (2m)**	45	28	14405	**49,45**	**VR773.1K-225M/4-L50**	165414	645		V046
Ø420	3,9	**M7 (4m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	135863	480	218	V040
	4,6	**M6 (3m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	168144	480		V040
	5,5	**M6 (3m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	162144	500		V041
	6,2	**M6 (3m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	163326	500		V041
	7,2	**M6 (3m)**	18,5	11	15259	**128,81**	**VR773.1K-180M/4-L30**	161042	529		V042
	8,3	**M5 (2m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	177612	529		V042
	9,5	**M5 (2m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	174731	539		V043
	10,7	**M5 (2m)**	30	16	16611	**85,99**	**VR773.1K-200L/4-L40**	170019	585		V044
	12,1	**M5 (2m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	170752	585		V044
	13,6	**M5 (2m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	171479	585		V044
	14,1	**M5 (2m)**	37	21	15658	**65,59**	**VR773.1K-225S/4-L50**	168258	621		V045
	16,2	**M5 (2m)**	37	25	13588	**56,82**	**VR773.1K-225S/4-L50**	168347	621		V045
	18,7	**M4 (1Am)**	45	28	14405	**49,45**	**VR773.1K-225M/4-L50**	175878	645		V046
Ø440	4,1	**M6 (3m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	170499	480	218	V040
	4,8	**M6 (3m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	168144	480		V040
	5,8	**M6 (3m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	162144	500		V041
	6,5	**M5 (2m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	184012	500		V041
	7,5	**M5 (2m)**	18,5	11	15259	**128,81**	**VR773.1K-180M/4-L30**	178645	529		V042
	8,7	**M5 (2m)**	22	13	15745	**111,53**	**VR773.1K-180L/4-L30**	174911	539		V043
	9,9	**M5 (2m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	174731	539		V043
	11,2	**M5 (2m)**	30	16	16611	**85,99**	**VR773.1K-200L/4-L40**	170019	585		V044
	12,7	**M5 (2m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	170752	585		V044
Ø450	4,2	**M6 (3m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	170499	480	218	V040
	4,9	**M6 (3m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	168144	480		V040
	5,9	**M5 (2m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	187054	500		V041
	6,6	**M5 (2m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	184012	500		V041
	7,7	**M5 (2m)**	18,5	11	15259	**128,81**	**VR773.1K-180M/4-L30**	178645	529		V042
	8,9	**M5 (2m)**	22	13	15745	**111,53**	**VR773.1K-180L/4-L30**	174911	539		V043
	10,1	**M5 (2m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	174731	539		V043
	11,5	**M4 (1Am)**	30	16	16611	**85,99**	**VR773.1K-200L/4-L40**	183062	585		V044
	13,0	**M4 (1Am)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	182528	585		V044

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø270	2,1	**M5 (2m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	97770	194	216	V022
	2,3	**M5 (2m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	95998	194		V022
	2,8	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	3,4	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	3,8	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	4,3	**M4 (1Am)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	96732	261		V024
	5,1	**M4 (1Am)**	15	24	5646	**58,36**	**VR573.1K-160L/4-L20**	93788	281		V025
	5,7	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	7,0	**M4 (1Am)**	18,5	33	5099	**42,62**	**VR573.1K-180M/4-L30**	92304	311		V026
	1,4	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	1,6	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,8	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	2,2	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	2,5	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	2,9	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	3,4	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	3,9	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	4,5	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	5,1	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø280	2,1	**M5 (2m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	97770	194	216	V022
	2,4	**M5 (2m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	95998	194		V022
	2,9	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	3,5	**M4 (1Am)**	11	16	6203	**87,90**	**VR573.1K-160M/4-L20**	98195	261		V024
	4,0	**M4 (1Am)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	97283	261		V024
	4,5	**M4 (1Am)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	96732	261		V024
	5,3	**M4 (1Am)**	15	24	5646	**58,36**	**VR573.1K-160L/4-L20**	93788	281		V025
	5,9	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	7,2	**M4 (1Am)**	18,5	33	5099	**42,62**	**VR573.1K-180M/4-L30**	92304	311		V026
	1,4	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	1,6	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,9	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	2,3	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	2,6	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	3,0	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	3,5	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	4,0	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	4,6	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	5,3	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø290	1,5	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	1,7	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	2,0	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	2,4	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	2,7	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	3,1	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	3,6	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	4,2	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	4,8	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	5,4	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø300	1,5	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	1,7	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	2,0	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	2,5	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	2,8	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	3,2	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	3,8	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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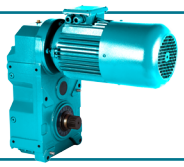
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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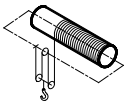

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø300	4,3	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359	217	V033
	5,0	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	5,6	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø320	1,6	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	1,9	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	2,2	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	2,6	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	2,9	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	3,4	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	4,0	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	4,6	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	5,3	**M8 (5m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	110559	379		V034
	6,0	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø340	1,8	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	2,0	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	2,3	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	2,8	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	3,1	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	3,7	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	4,3	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	4,9	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	5,6	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	6,4	**M7 (4m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	119544	379		V034
	5,5	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500	218	V041
	5,7	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	6,6	**M8 (5m)**	15	25	5508	**56,82**	**VR773.1K-160L/4-L20**	148954	500		V041
	7,6	**M8 (5m)**	18,5	28	5922	**49,45**	**VR773.1K-180M/4-L30**	146772	529		V042
Ø360	1,9	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	2,1	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	2,4	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	2,9	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	3,3	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	3,9	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	4,5	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	5,2	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	5,9	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	6,8	**M7 (4m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	119544	379		V034
	5,2	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500	218	V041
	5,8	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	6,0	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	7,0	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	8,0	**M8 (5m)**	18,5	28	5922	**49,45**	**VR773.1K-180M/4-L30**	146772	529		V042
Ø380	2,0	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	2,2	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	2,6	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	3,1	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	3,5	**M8 (5m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	101816	359		V033
	4,1	**M7 (4m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	115154	359		V033
	4,8	**M7 (4m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	117080	359		V033
	5,5	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	6,3	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	7,1	**M7 (4m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	117809	408		V035

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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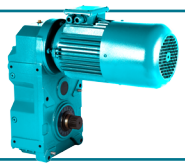

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer **D_T [mm]**	**Velocità di sollevamento** *Lifting Speed* Hubgesch-windigkeit **V_h [m/min]**	**Classe dell'app. di sollevamento** *Crane* Class* Kranklasse* **ISO (FEM)**	**Potenza** *Power* Leistung **[kW]**	**Velocità in uscita** *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	**Coppia in uscita** *Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	**Rapporto** *Ratio* Übersetzung **i**	**Tipo** *Type* Typ	**Carichi radiali ammessi (uscita)** *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	**Peso** *Weight* Gewicht ~ **[kg]**	**Tab. dimensioni** *Dim. Page* Maße Seite	**Rif. prezzo** *Price Ref.* Preis No.
Ø380	4,3	**M8 (5m)**	11	14	6898	**97,55**	**VR773.1K-160M/4-L20**	144673	480	218	V040
	4,9	**M8 (5m)**	11	16	6091	**85,99**	**VR773.1K-160M/4-L20**	147449	480		V040
	5,5	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	6,1	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	6,4	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	7,4	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	8,4	**M8 (5m)**	22	28	7043	**49,45**	**VR773.1K-180L/4-L30**	145565	539		V043

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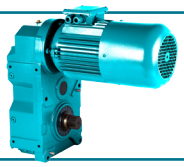

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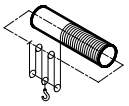

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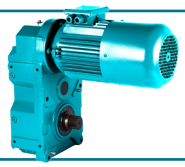
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø230	1,2	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177	216	V020
	1,3	**M8 (5m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	64935	184		V021
	1,6	**M7 (4m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	76634	184		V021
	1,9	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	2,2	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	2,4	**M7 (4m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	79923	194		V022
	2,9	**M7 (4m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	79721	204		V023
	3,2	**M6 (3m)**	7,5	27	2517	**51,97**	**VR573.1K-132M/4-L10**	86182	204		V023
	4,0	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	4,5	**M6 (3m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	85695	261		V024
	5,0	**M6 (3m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	84951	281		V025
	6,0	**M5 (2m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	89793	281		V025
	1,7	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292	217	V031
	1,9	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	2,2	**M8 (5m)**	5,5	18	2691	**76,17**	**VR673.1K-132S/4-L10**	114219	292		V031
	2,5	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	2,9	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø240	1,1	**M8 (5m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	54663	177	216	V020
	1,2	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177		V020
	1,4	**M8 (5m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	64935	184		V021
	1,6	**M7 (4m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	76634	184		V021
	2,0	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	2,3	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	2,5	**M7 (4m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	78484	204		V023
	3,0	**M6 (3m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	85434	204		V023
	3,4	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	4,1	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	4,7	**M6 (3m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	85695	261		V024
	5,3	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	6,2	**M5 (2m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	89793	281		V025
	1,7	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292	217	V031
	2,0	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	2,3	**M8 (5m)**	5,5	18	2691	**76,17**	**VR673.1K-132S/4-L10**	114219	292		V031
	2,6	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	3,0	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø250	1,1	**M8 (5m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	54663	177	216	V020
	1,3	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177		V020
	1,4	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	1,7	**M7 (4m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	76634	184		V021
	2,1	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	2,4	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	2,7	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	3,1	**M6 (3m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	85434	204		V023
	3,5	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	4,3	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	4,9	**M5 (2m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	90501	261		V024
	5,5	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	6,5	**M5 (2m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	89793	281		V025
	1,4	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282	217	V030
	1,5	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282		V030
	1,8	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	2,1	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	2,4	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	2,8	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	3,1	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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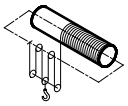

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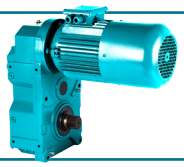
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø260	1,2	**M8 (5m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	54663	177	216	V020
	1,3	**M7 (4m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	71254	184		V021
	1,5	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	1,8	**M7 (4m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	74965	194		V022
	2,2	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	2,5	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	2,8	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	3,3	**M6 (3m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	85434	204		V023
	3,7	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	4,5	**M5 (2m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	90156	261		V024
	5,1	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	5,7	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	6,7	**M5 (2m)**	18,5	49	3404	**28,30**	**VR573.1K-180M/4-L30**	88749	311		V026
	1,4	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282	217	V030
	1,6	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282		V030
	1,9	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	2,2	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	2,5	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	2,9	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	3,3	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø270	1,2	**M7 (4m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	68308	177	216	V020
	1,4	**M7 (4m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	71254	184		V021
	1,6	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	1,8	**M7 (4m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	74965	194		V022
	2,3	**M6 (3m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	84567	194		V022
	2,5	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	2,9	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	3,4	**M6 (3m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	83300	261		V024
	3,8	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	4,6	**M5 (2m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	90156	261		V024
	5,3	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	5,9	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	7,0	**M5 (2m)**	18,5	49	3404	**28,30**	**VR573.1K-180M/4-L30**	88749	311		V026
	0,9	**M8 (5m)**	2,2	6,6	2979	**213,15**	**VR673.1K-100L/4a-L04**	90128	272	217	V028
	1,0	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	1,2	**M8 (5m)**	3,0	8,7	3094	**161,66**	**VR673.1K-100L/4b-L04**	102796	275		V029
	1,5	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282		V030
	1,7	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282		V030
	1,9	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	2,3	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	2,6	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	3,0	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	3,4	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø280	1,3	**M7 (4m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	68308	177	216	V020
	1,4	**M7 (4m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	71254	184		V021
	1,6	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	1,9	**M7 (4m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	74965	194		V022
	2,3	**M6 (3m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	84567	194		V022
	2,6	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	3,0	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	3,5	**M6 (3m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	83300	261		V024
	3,9	**M5 (2m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	89973	261		V024
	4,8	**M5 (2m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	90156	261		V024
	5,5	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	6,1	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	7,2	**M5 (2m)**	18,5	49	3404	**28,30**	**VR573.1K-180M/4-L30**	88749	311		V026
	1,0	**M8 (5m)**	2,2	6,6	2979	**213,15**	**VR673.1K-100L/4a-L04**	90128	272	217	V028

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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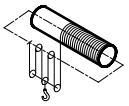

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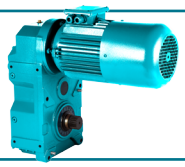
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø280	1,1	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275	217	V029
	1,3	**M8 (5m)**	3,0	8,7	3094	**161,66**	**VR673.1K-100L/4b-L04**	102796	275		V029
	1,5	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282		V030
	1,7	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282		V030
	2,0	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	2,3	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	2,7	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	3,1	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	3,5	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø290	1,3	**M7 (4m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	68308	177	216	V020
	1,5	**M7 (4m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	71254	184		V021
	1,7	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	2,0	**M6 (3m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	84124	194		V022
	2,4	**M6 (3m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	84567	194		V022
	2,7	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	3,1	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	3,6	**M6 (3m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	83300	261		V024
	4,1	**M5 (2m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	89973	261		V024
	5,0	**M5 (2m)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	88370	281		V025
	5,6	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	6,4	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	7,5	**M4 (1Am)**	18,5	49	3404	**28,30**	**VR573.1K-180M/4-L30**	93109	311		V026
	1,0	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	1,1	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	1,3	**M8 (5m)**	3,0	8,7	3094	**161,66**	**VR673.1K-100L/4b-L04**	102796	275		V029
	1,6	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282		V030
	1,8	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	2,1	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	2,4	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	2,8	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	3,2	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	3,6	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø300	1,5	**M7 (4m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	71254	184	216	V021
	1,7	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	2,1	**M6 (3m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	84124	194		V022
	2,5	**M6 (3m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	82740	204		V023
	2,8	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	3,2	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	3,8	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	4,2	**M5 (2m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	89973	261		V024
	5,2	**M5 (2m)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	88370	281		V025
	5,8	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	6,6	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	7,8	**M4 (1Am)**	18,5	49	3404	**28,30**	**VR573.1K-180M/4-L30**	93109	311		V026
	1,0	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	1,2	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	1,4	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	1,6	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282		V030
	1,8	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	2,2	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	2,5	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	2,9	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	3,3	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	3,8	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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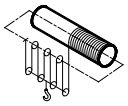

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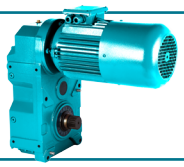
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø170	0,7	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	0,8	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	0,9	**M7 (4m)**	2,2	14	1425	**101,48**	**VR473.1K-100L/4a-L04**	47804	105		V012
	1,0	**M7 (4m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	47241	107		V013
	1,2	**M7 (4m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	48736	107		V013
	1,3	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014
	1,5	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	1,7	**M6 (3m)**	4,0	26	1400	**54,35**	**VR473.1K-112M/4-L05**	51785	114		V014
	2,0	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	2,3	**M6 (3m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	51374	124		V015
	2,7	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	3,3	**M5 (2m)**	7,5	49	1386	**28,45**	**VR473.1K-132M/4-L10**	53176	134		V016
	0,6	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	0,7	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	0,7	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	0,9	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	1,1	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	1,2	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	1,4	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	1,6	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	1,8	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	2,2	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	2,5	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	2,8	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	3,3	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø180	0,7	**M7 (4m)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	46063	105	215	V012
	0,8	**M7 (4m)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	47044	105		V012
	1,0	**M7 (4m)**	3,0	14	1943	**101,48**	**VR473.1K-100L/4b-L04**	46336	107		V013
	1,0	**M6 (3m)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	50796	107		V013
	1,2	**M6 (3m)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	51737	107		V013
	1,4	**M6 (3m)**	4,0	20	1811	**70,59**	**VR473.1K-112M/4-L05**	50842	114		V014
	1,6	**M6 (3m)**	4,0	23	1590	**61,85**	**VR473.1K-112M/4-L05**	51343	114		V014
	1,8	**M6 (3m)**	5,5	26	1924	**54,35**	**VR473.1K-132S/4-L10**	50298	124		V015
	2,1	**M6 (3m)**	5,5	30	1681	**47,37**	**VR473.1K-132S/4-L10**	50875	124		V015
	2,4	**M5 (2m)**	5,5	34	1476	**41,50**	**VR473.1K-132S/4-L10**	53641	124		V015
	2,9	**M5 (2m)**	7,5	41	1666	**34,28**	**VR473.1K-132M/4-L10**	52714	134		V016
	3,5	**M5 (2m)**	11	49	2033	**28,45**	**VR473.1K-160M/4-L20**	51344	191		V017
	0,6	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	0,7	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	0,8	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	0,9	**M8 (5m)**	2,2	13	1510	**107,18**	**VR573.1K-100L/4a-L04**	70317	174		V019
	1,1	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	1,3	**M8 (5m)**	3,0	18	1497	**77,63**	**VR573.1K-100L/4b-L04**	73906	177		V020
	1,4	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	1,7	**M8 (5m)**	4,0	24	1505	**58,36**	**VR573.1K-112M/4-L05**	76446	184		V021
	1,9	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	2,3	**M8 (5m)**	5,5	33	1516	**42,62**	**VR573.1K-132S/4-L10**	78013	194		V022
	2,6	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	3,0	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	3,5	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø190	0,8	**M4 (1Am)**	2,2	10	1930	**138,35**	**VR473.1K-100L/4a-L04**	62819	105	215	V012
	0,9	**M4 (1Am)**	2,2	12	1700	**121,49**	**VR473.1K-100L/4a-L04**	61623	105		V012
	1,0	**M4 (1Am)**	3,0	14	1943	**101,48**	**VR473.1K-100L/4b-L04**	59170	107		V013
	1,1	**M4 (1Am)**	3,0	15	1837	**95,87**	**VR473.1K-100L/4b-L04**	58839	107		V013
	1,3	**M4 (1Am)**	3,0	17	1555	**81,00**	**VR473.1K-100L/4b-L04**	58418	107		V013
	0,6	**M8 (5m)**	1,5	8,5	1563	**163,77**	**VR573.1K-90L/4-L02**	57194	170	216	V018
	0,7	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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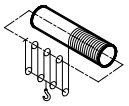

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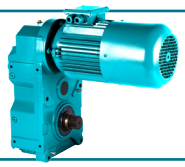
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø190	0,8	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174	216	V019
	1,0	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	1,2	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	1,3	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	1,5	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	1,8	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	2,0	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	2,4	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	2,8	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	3,1	**M8 (5m)**	7,5	42	1628	**33,46**	**VR573.1K-132M/4-L10**	79405	204		V023
	3,7	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø200	0,7	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	0,8	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	0,9	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	1,0	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	1,3	**M8 (5m)**	3,0	16	1692	**87,90**	**VR573.1K-100L/4b-L04**	71653	177		V020
	1,4	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	1,6	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	1,9	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	2,1	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	2,6	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	2,9	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	3,3	**M8 (5m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	78174	261		V024
	3,9	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø210	0,7	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	0,8	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	0,9	**M8 (5m)**	2,2	11	1783	**126,81**	**VR573.1K-100L/4a-L04**	67298	174		V019
	1,1	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	1,3	**M8 (5m)**	4,0	16	2256	**87,90**	**VR573.1K-112M/4-L05**	70739	184		V021
	1,5	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	1,7	**M8 (5m)**	4,0	20	1776	**69,00**	**VR573.1K-112M/4-L05**	75063	184		V021
	2,0	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	2,2	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	2,7	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	3,1	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	3,4	**M8 (5m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	78174	261		V024
	4,1	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø220	0,7	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	0,8	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,0	**M8 (5m)**	3,0	11	2431	**126,81**	**VR573.1K-100L/4b-L04**	66248	177		V020
	1,1	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	1,4	**M8 (5m)**	4,0	16	2256	**87,90**	**VR573.1K-112M/4-L05**	70739	184		V021
	1,6	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	1,8	**M8 (5m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	73984	194		V022
	2,1	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	2,3	**M8 (5m)**	5,5	27	1846	**51,97**	**VR573.1K-132S/4-L10**	77042	194		V022
	2,8	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	3,2	**M8 (5m)**	7,5	37	1829	**37,64**	**VR573.1K-132M/4-L10**	78329	204		V023
	3,6	**M8 (5m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	78174	261		V024
	4,3	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø230	0,8	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	0,9	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,0	**M8 (5m)**	3,0	11	2431	**126,81**	**VR573.1K-100L/4b-L04**	66248	177		V020
	1,2	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	1,4	**M8 (5m)**	4,0	16	2256	**87,90**	**VR573.1K-112M/4-L05**	70739	184		V021
	1,6	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	1,8	**M8 (5m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	73984	194		V022
	2,2	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	2,4	**M8 (5m)**	7,5	27	2517	**51,97**	**VR573.1K-132M/4-L10**	75954	204		V023

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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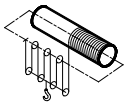

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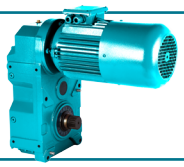
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer **D_T [mm]**	**Velocità di sollevamento** *Lifting Speed* Hubgesch-windigkeit **V_h [m/min]**	**Classe dell'app. di sollevamento** *Crane* Class* Kranklasse* **ISO (FEM)**	**Potenza** *Power* Leistung **[kW]**	**Velocità in uscita** *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	**Coppia in uscita** *Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	**Rapporto** *Ratio* Übersetzung **i**	**Tipo** *Type* Typ	**Carichi radiali ammessi (uscita)** *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	**Peso** *Weight* Gewicht ~ **[kg]**	**Tab. dimensioni** *Dim. Page* Maße Seite	**Rif. prezzo** *Price Ref.* Preis No.
Ø230	3,0	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204	216	V023
	3,4	**M8 (5m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	76946	261		V024
	3,8	**M8 (5m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	78174	261		V024
	4,5	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024
Ø240	0,8	**M8 (5m)**	2,2	8,5	2292	**163,77**	**VR573.1K-100L/4a-L04**	56013	174	216	V019
	0,9	**M8 (5m)**	2,2	9,8	2011	**143,35**	**VR573.1K-100L/4a-L04**	62624	174		V019
	1,0	**M8 (5m)**	3,0	11	2431	**126,81**	**VR573.1K-100L/4b-L04**	66248	177		V020
	1,2	**M8 (5m)**	3,0	13	2060	**107,18**	**VR573.1K-100L/4b-L04**	69428	177		V020
	1,5	**M8 (5m)**	4,0	16	2256	**87,90**	**VR573.1K-112M/4-L05**	70739	184		V021
	1,7	**M8 (5m)**	4,0	18	1995	**77,63**	**VR573.1K-112M/4-L05**	73098	184		V021
	1,9	**M8 (5m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	73984	194		V022
	2,3	**M8 (5m)**	5,5	24	2070	**58,36**	**VR573.1K-132S/4-L10**	75531	194		V022
	2,5	**M8 (5m)**	7,5	27	2517	**51,97**	**VR573.1K-132M/4-L10**	75954	204		V023
	3,1	**M8 (5m)**	7,5	33	2067	**42,62**	**VR573.1K-132M/4-L10**	77120	204		V023
	3,5	**M8 (5m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	76946	261		V024
	3,9	**M8 (5m)**	11	42	2387	**33,46**	**VR573.1K-160M/4-L20**	78174	261		V024
	4,7	**M8 (5m)**	11	49	2024	**28,30**	**VR573.1K-160M/4-L20**	79155	261		V024

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø280	1,4	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	1,6	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	1,9	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	2,3	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	2,6	**M8 (5m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	101816	359		V033
	3,0	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	3,5	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	4,0	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	4,6	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	5,3	**M7 (4m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	117809	408		V035
	4,0	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500	218	V041
	4,5	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	4,7	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	5,4	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	6,2	**M8 (5m)**	18,5	28	5922	**49,45**	**VR773.1K-180M/4-L30**	146772	529		V042
Ø300	1,5	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	1,7	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	2,0	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	2,5	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	2,8	**M8 (5m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	101816	359		V033
	3,2	**M7 (4m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	115154	359		V033
	3,8	**M7 (4m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	117080	359		V033
	4,3	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	5,0	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	5,6	**M7 (4m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	117809	408		V035
	3,4	**M8 (5m)**	11	14	6898	**97,55**	**VR773.1K-160M/4-L20**	144673	480	218	V040
	3,8	**M8 (5m)**	11	16	6091	**85,99**	**VR773.1K-160M/4-L20**	147449	480		V040
	4,3	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	4,8	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	5,0	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	5,8	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	6,7	**M8 (5m)**	22	28	7043	**49,45**	**VR773.1K-180L/4-L30**	145565	539		V043
Ø320	1,6	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	1,9	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	2,2	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	2,6	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	2,9	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	3,4	**M7 (4m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	115154	359		V033
	4,0	**M7 (4m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	114123	379		V034
	4,6	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	5,3	**M7 (4m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	116008	408		V035
	6,0	**M6 (3m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	124980	408		V035
	2,4	**M8 (5m)**	7,5	9,4	7157	**148,95**	**VR773.1K-132M/4-L10**	136422	423	218	V039
	2,7	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	3,2	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	3,6	**M8 (5m)**	11	14	6898	**97,55**	**VR773.1K-160M/4-L20**	144673	480		V040
	4,1	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	4,6	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	5,2	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	5,4	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	6,2	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	7,1	**M8 (5m)**	22	28	7043	**49,45**	**VR773.1K-180L/4-L30**	145565	539		V043
Ø340	1,8	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	2,0	**M8 (5m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	90345	302		V032
	2,3	**M7 (4m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	111358	302		V032

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

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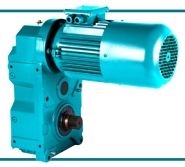
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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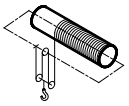

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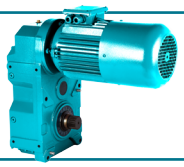
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø340	2,8	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359	217	V033
	3,1	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	3,7	**M7 (4m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	115154	359		V033
	4,3	**M7 (4m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	114123	379		V034
	4,9	**M6 (3m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	124716	379		V034
	5,6	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	6,4	**M6 (3m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	123245	418		V036
	2,2	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423	218	V039
	2,5	**M8 (5m)**	7,5	9,4	7157	**148,95**	**VR773.1K-132M/4-L10**	136422	423		V039
	2,9	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	3,4	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	3,8	**M8 (5m)**	11	14	6898	**97,55**	**VR773.1K-160M/4-L20**	144673	480		V040
	4,3	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	4,9	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	5,5	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	5,7	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	6,6	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	7,6	**M8 (5m)**	22	28	7043	**49,45**	**VR773.1K-180L/4-L30**	145565	539		V043
Ø360	1,9	**M7 (4m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	105741	292	217	V031
	2,1	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	2,4	**M7 (4m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	111358	302		V032
	2,9	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	3,3	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	3,9	**M7 (4m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	111721	379		V034
	4,5	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	5,2	**M6 (3m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	122466	408		V035
	5,9	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	6,8	**M6 (3m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	123245	418		V036
	1,7	**M8 (5m)**	5,5	6,0	8197	**233,77**	**VR773.1K-132S/4-L10**	116146	413	218	V038
	2,0	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	2,4	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423		V039
	2,7	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	3,1	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	3,5	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	4,1	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	4,6	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	5,2	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	5,8	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	6,0	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	7,0	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	8,0	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø380	2,0	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	2,2	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	2,6	**M7 (4m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	106615	359		V033
	3,1	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	3,5	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	4,1	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	4,8	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	5,5	**M6 (3m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	122466	408		V035
	6,3	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	7,1	**M6 (3m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	123245	418		V036
	1,8	**M8 (5m)**	5,5	6,0	8197	**233,77**	**VR773.1K-132S/4-L10**	116146	413	218	V038
	2,1	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	2,5	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423		V039
	2,8	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	3,2	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	3,7	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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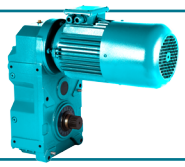
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø380	4,3	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500	218	V041
	4,9	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	5,5	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	6,1	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	6,4	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	7,4	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	8,4	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø400	2,1	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	2,3	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	2,7	**M7 (4m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	106615	359		V033
	3,3	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	3,7	**M6 (3m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	124880	359		V033
	4,3	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	5,0	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	5,8	**M6 (3m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	122466	408		V035
	6,6	**M5 (2m)**	22	21	9425	**66,59**	**VR673.1K-180L/4-L30**	130294	418		V036
	7,5	**M5 (2m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	131003	418		V036
	1,9	**M8 (5m)**	5,5	6,0	8197	**233,77**	**VR773.1K-132S/4-L10**	116146	413	218	V038
	2,2	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	2,6	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	3,0	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	3,4	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	3,9	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	4,5	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	5,1	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	5,8	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	6,5	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	6,7	**M8 (5m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	7,7	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	8,9	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø420	2,2	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	2,4	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	2,9	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	3,4	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	3,9	**M6 (3m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	120850	379		V034
	4,5	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	5,3	**M6 (3m)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	120965	408		V035
	6,1	**M5 (2m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	131791	408		V035
	6,9	**M5 (2m)**	22	21	9425	**66,59**	**VR673.1K-180L/4-L30**	130294	418		V036
	2,0	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	2,3	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	2,8	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	3,1	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	3,6	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	4,1	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	4,7	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	5,4	**M8 (5m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	142972	529		V042
	6,1	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	6,8	**M8 (5m)**	22	21	9664	**68,02**	**VR773.1K-180L/4-L30**	146752	539		V043
	7,0	**M8 (5m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	8,1	**M8 (5m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	143016	585		V044
	9,3	**M7 (4m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	151556	585		V044

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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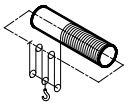

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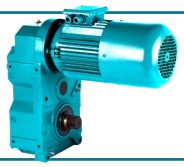
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø270	1,4	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	1,6	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	1,8	**M6 (3m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	84124	194		V022
	2,3	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	2,5	**M5 (2m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	91634	204		V023
	2,9	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	3,4	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	3,8	**M5 (2m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	89973	261		V024
	4,6	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	5,3	**M4 (1Am)**	18,5	37	4511	**37,64**	**VR573.1K-180M/4-L30**	92600	311		V026
	5,9	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	7,0	**M4 (1Am)**	22	49	4048	**28,30**	**VR573.1K-180L/4-L30**	92065	320		V027
	0,9	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	1,0	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,2	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	1,5	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	1,7	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	1,9	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	2,3	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	2,6	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	3,0	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	3,4	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø280	1,4	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	1,6	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	1,9	**M6 (3m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	81899	204		V023
	2,3	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	2,6	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	3,0	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	3,5	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	3,9	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	4,8	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	5,5	**M4 (1Am)**	18,5	37	4511	**37,64**	**VR573.1K-180M/4-L30**	92600	311		V026
	6,1	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	7,2	**M4 (1Am)**	22	49	4048	**28,30**	**VR573.1K-180L/4-L30**	92065	320		V027
	1,0	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	1,1	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,3	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	1,5	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	1,7	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	2,0	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	2,3	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	2,7	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	3,1	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	3,5	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø290	1,5	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	1,7	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	2,0	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	2,4	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	2,7	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	3,1	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	3,6	**M4 (1Am)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	96227	261		V024
	4,1	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	5,0	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	5,6	**M4 (1Am)**	18,5	37	4511	**37,64**	**VR573.1K-180M/4-L30**	92600	311		V026
	6,4	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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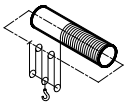

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø290	1,0	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	1,1	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,3	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	1,6	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	1,8	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	2,1	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	2,4	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	2,8	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	3,2	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	3,6	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø300	1,5	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	1,7	**M5 (2m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	95998	194		V022
	2,1	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	2,5	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	2,8	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	3,2	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	3,8	**M4 (1Am)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	96227	261		V024
	4,2	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	5,2	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	5,8	**M4 (1Am)**	18,5	37	4511	**37,64**	**VR573.1K-180M/4-L30**	92600	311		V026
	1,0	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	1,2	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,4	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	1,6	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	1,8	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	2,2	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	2,5	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	2,9	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	3,3	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	3,8	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø310	1,6	**M5 (2m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	97770	194	216	V022
	1,8	**M5 (2m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	95998	194		V022
	2,1	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	2,6	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	2,9	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	3,3	**M4 (1Am)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	96732	261		V024
	3,9	**M4 (1Am)**	15	24	5646	**58,36**	**VR573.1K-160L/4-L20**	93788	281		V025
	4,4	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	5,3	**M4 (1Am)**	18,5	33	5099	**42,62**	**VR573.1K-180M/4-L30**	92304	311		V026
	1,1	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	1,2	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,4	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	1,7	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	1,9	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	2,2	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	2,6	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	3,0	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	3,4	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	3,9	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø320	1,6	**M5 (2m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	97770	194	216	V022
	1,8	**M5 (2m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	95998	194		V022
	2,2	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	2,7	**M4 (1Am)**	11	16	6203	**87,90**	**VR573.1K-160M/4-L20**	98195	261		V024
	3,0	**M4 (1Am)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	97283	261		V024

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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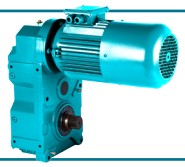
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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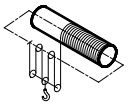

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer **D_T [mm]**	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit **V_h [m/min]**	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* **ISO (FEM)**	Potenza *Power* Leistung **[kW]**	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	Rapporto *Ratio* Übersetzung **i**	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	Peso *Weight* Gewicht ~ **[kg]**	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø320	3,4	**M4 (1Am)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	96732	261	216	V024
	4,0	**M4 (1Am)**	15	24	5646	**58,36**	**VR573.1K-160L/4-L20**	93788	281		V025
	4,5	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	1,1	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	1,2	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,5	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	1,7	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	2,0	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	2,3	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	2,7	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	3,1	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	3,5	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	4,0	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø330	1,1	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	1,3	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,5	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	1,8	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	2,0	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	2,4	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	2,8	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	3,2	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	3,6	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	4,1	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø340	1,2	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	1,3	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,5	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	1,9	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	2,1	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	2,4	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	2,8	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	3,3	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	3,7	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	4,3	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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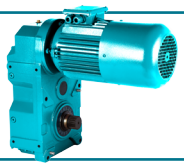
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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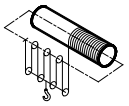

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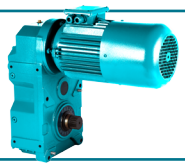
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø230	0,9	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177	216	V020
	1,0	**M8 (5m)**	3,0	11	2431	**126,81**	**VR573.1K-100L/4b-L04**	66248	177		V020
	1,2	**M8 (5m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	68315	184		V021
	1,4	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	1,6	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	1,8	**M7 (4m)**	5,5	20	2442	**69,00**	**VR573.1K-132S/4-L10**	79923	194		V022
	2,2	**M7 (4m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	79721	204		V023
	2,4	**M6 (3m)**	7,5	27	2517	**51,97**	**VR573.1K-132M/4-L10**	86182	204		V023
	3,0	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	3,4	**M6 (3m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	85695	261		V024
	3,8	**M6 (3m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	84951	281		V025
	4,5	**M6 (3m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	85625	281		V025
	1,4	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292	217	V031
	1,7	**M8 (5m)**	5,5	18	2691	**76,17**	**VR673.1K-132S/4-L10**	114219	292		V031
	1,9	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	2,2	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø240	0,9	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177	216	V020
	1,0	**M8 (5m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	64935	184		V021
	1,2	**M7 (4m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	76634	184		V021
	1,5	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	1,7	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	1,9	**M7 (4m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	78484	204		V023
	2,3	**M6 (3m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	85434	204		V023
	2,5	**M6 (3m)**	7,5	27	2517	**51,97**	**VR573.1K-132M/4-L10**	86182	204		V023
	3,1	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	3,5	**M6 (3m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	85695	261		V024
	3,9	**M6 (3m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	84951	281		V025
	4,7	**M5 (2m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	89793	281		V025
	1,3	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292	217	V031
	1,5	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	1,7	**M8 (5m)**	5,5	18	2691	**76,17**	**VR673.1K-132S/4-L10**	114219	292		V031
	2,0	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	2,3	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø250	1,0	**M8 (5m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	61440	177	216	V020
	1,1	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	1,3	**M7 (4m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	76634	184		V021
	1,6	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	1,8	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	2,0	**M7 (4m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	78484	204		V023
	2,4	**M6 (3m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	85434	204		V023
	2,6	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	3,2	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	3,6	**M6 (3m)**	11	37	2682	**37,64**	**VR573.1K-160M/4-L20**	85695	261		V024
	4,1	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	4,9	**M5 (2m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	89793	281		V025
	1,3	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292	217	V031
	1,6	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	1,8	**M8 (5m)**	5,5	18	2691	**76,17**	**VR673.1K-132S/4-L10**	114219	292		V031
	2,1	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	2,3	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø260	0,9	**M8 (5m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	54663	177	216	V020
	1,0	**M7 (4m)**	3,0	9,8	2742	**143,35**	**VR573.1K-100L/4b-L04**	72735	177		V020

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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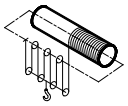

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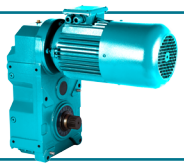
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø260	1,1	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184	216	V021
	1,3	**M7 (4m)**	4,0	13	2746	**107,18**	**VR573.1K-112M/4-L05**	76634	184		V021
	1,6	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	1,8	**M7 (4m)**	5,5	18	2744	**77,63**	**VR573.1K-132S/4-L10**	78429	194		V022
	2,1	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	2,4	**M6 (3m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	85434	204		V023
	2,7	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	3,4	**M6 (3m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	84959	261		V024
	3,8	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	4,3	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	5,0	**M5 (2m)**	15	49	2760	**28,30**	**VR573.1K-160L/4-L20**	89793	281		V025
	1,1	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282	217	V030
	1,2	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282		V030
	1,4	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	1,6	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	1,9	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	2,1	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	2,4	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø270	0,9	**M7 (4m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	68308	177	216	V020
	1,0	**M7 (4m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	71254	184		V021
	1,2	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	1,4	**M7 (4m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	74965	194		V022
	1,7	**M7 (4m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	76659	194		V022
	1,9	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	2,2	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	2,5	**M6 (3m)**	7,5	24	2823	**58,36**	**VR573.1K-132M/4-L10**	85434	204		V023
	2,9	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	3,5	**M5 (2m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	90156	261		V024
	3,9	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	4,4	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	5,2	**M5 (2m)**	18,5	49	3404	**28,30**	**VR573.1K-180M/4-L30**	88749	311		V026
	0,7	**M8 (5m)**	2,2	6,6	2979	**213,15**	**VR673.1K-100L/4a-L04**	90128	272	217	V028
	0,8	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	0,9	**M8 (5m)**	3,0	8,7	3094	**161,66**	**VR673.1K-100L/4b-L04**	102796	275		V029
	1,1	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282		V030
	1,2	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282		V030
	1,5	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	1,7	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	1,9	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	2,2	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	2,5	**M8 (5m)**	7,5	24	2829	**58,54**	**VR673.1K-132M/4-L10**	116397	302		V032
Ø280	0,9	**M7 (4m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	68308	177	216	V020
	1,1	**M7 (4m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	71254	184		V021
	1,2	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	1,4	**M7 (4m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	74965	194		V022
	1,8	**M6 (3m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	84567	194		V022
	2,0	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	2,2	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	2,6	**M6 (3m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	83300	261		V024
	3,0	**M6 (3m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	84279	261		V024
	3,6	**M5 (2m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	90156	261		V024
	4,1	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	4,6	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	5,4	**M5 (2m)**	18,5	49	3404	**28,30**	**VR573.1K-180M/4-L30**	88749	311		V026
	0,7	**M8 (5m)**	2,2	6,6	2979	**213,15**	**VR673.1K-100L/4a-L04**	90128	272	217	V028
	0,8	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	1,0	**M8 (5m)**	3,0	8,7	3094	**161,66**	**VR673.1K-100L/4b-L04**	102796	275		V029

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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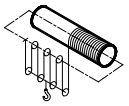

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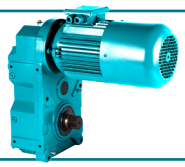
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø280	1,1	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282	217	V030
	1,3	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282		V030
	1,5	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	1,8	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	2,0	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	2,3	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	2,6	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø290	1,0	**M7 (4m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	68308	177	216	V020
	1,1	**M7 (4m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	71254	184		V021
	1,3	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	1,5	**M7 (4m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	74965	194		V022
	1,8	**M6 (3m)**	5,5	16	3101	**87,90**	**VR573.1K-132S/4-L10**	84567	194		V022
	2,1	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	2,3	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	2,7	**M6 (3m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	83300	261		V024
	3,1	**M5 (2m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	89973	261		V024
	3,7	**M5 (2m)**	11	33	3032	**42,62**	**VR573.1K-160M/4-L20**	90156	261		V024
	4,2	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	4,8	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	5,6	**M5 (2m)**	18,5	49	3404	**28,30**	**VR573.1K-180M/4-L30**	88749	311		V026
	0,7	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	0,8	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	1,0	**M8 (5m)**	3,0	8,7	3094	**161,66**	**VR673.1K-100L/4b-L04**	102796	275		V029
	1,2	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282		V030
	1,3	**M8 (5m)**	4,0	12	3067	**119,86**	**VR673.1K-112M/4-L05**	108869	282		V030
	1,6	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	1,8	**M8 (5m)**	5,5	16	3095	**87,77**	**VR673.1K-132S/4-L10**	112281	292		V031
	2,1	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	2,4	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	2,7	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø300	1,0	**M7 (4m)**	3,0	8,5	3126	**163,77**	**VR573.1K-100L/4b-L04**	68308	177	216	V020
	1,2	**M7 (4m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	71254	184		V021
	1,3	**M7 (4m)**	4,0	11	3241	**126,81**	**VR573.1K-112M/4-L05**	74563	184		V021
	1,5	**M6 (3m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	84124	194		V022
	1,9	**M6 (3m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	82740	204		V023
	2,1	**M6 (3m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	83834	204		V023
	2,4	**M6 (3m)**	7,5	20	3330	**69,00**	**VR573.1K-132M/4-L10**	84801	204		V023
	2,8	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	3,2	**M5 (2m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	89973	261		V024
	3,9	**M5 (2m)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	88370	281		V025
	4,4	**M5 (2m)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	88920	281		V025
	4,9	**M5 (2m)**	15	42	3256	**33,46**	**VR573.1K-160L/4-L20**	89423	281		V025
	5,8	**M4 (1Am)**	18,5	49	3404	**28,30**	**VR573.1K-180M/4-L30**	93109	311		V026
	0,8	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	0,9	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	1,0	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	1,2	**M8 (5m)**	4,0	10	3437	**134,51**	**VR673.1K-112M/4-L05**	105206	282		V030
	1,4	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	1,6	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	1,9	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	2,2	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	2,5	**M8 (5m)**	7,5	21	3213	**66,59**	**VR673.1K-132M/4-L10**	114781	302		V032
	2,8	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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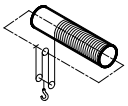

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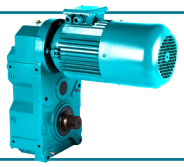
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø300	1,5	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	1,7	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	2,0	**M7 (4m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	111358	302		V032
	2,5	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	2,8	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	3,2	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	3,8	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	4,3	**M6 (3m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	122466	408		V035
	5,0	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	5,6	**M6 (3m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	123245	418		V036
	1,4	**M8 (5m)**	5,5	6,0	8197	**233,77**	**VR773.1K-132S/4-L10**	116146	413	218	V038
	1,6	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	2,0	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423		V039
	2,2	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	2,6	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	3,0	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	3,4	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	3,8	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	4,3	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	4,8	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	5,0	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	5,8	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	6,7	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø320	1,6	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	1,9	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	2,2	**M7 (4m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	106615	359		V033
	2,6	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	2,9	**M6 (3m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	124880	359		V033
	3,4	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	4,0	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	4,6	**M6 (3m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	122466	408		V035
	5,3	**M5 (2m)**	22	21	9425	**66,59**	**VR673.1K-180L/4-L30**	130294	418		V036
	6,0	**M5 (2m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	131003	418		V036
	1,5	**M8 (5m)**	5,5	6,0	8197	**233,77**	**VR773.1K-132S/4-L10**	116146	413	218	V038
	1,8	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	2,1	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	2,4	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	2,7	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	3,2	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	3,6	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	4,1	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	4,6	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	5,2	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	5,4	**M8 (5m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	6,2	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	7,1	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø340	1,8	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	2,0	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	2,3	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	2,8	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	3,1	**M6 (3m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	120850	379		V034
	3,7	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	4,3	**M6 (3m)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	120965	408		V035
	4,9	**M5 (2m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	131791	408		V035
	5,6	**M5 (2m)**	22	21	9425	**66,59**	**VR673.1K-180L/4-L30**	130294	418		V036
	6,4	**M5 (2m)**	30	24	11316	**58,54**	**VR673.1K-200L/4-L40**	127038	464		V037
	1,6	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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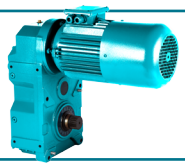
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø340	1,9	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423	218	V039
	2,2	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	2,5	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	2,9	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	3,4	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	3,8	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	4,3	**M8 (5m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	142972	529		V042
	4,9	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	5,5	**M8 (5m)**	22	21	9664	**68,02**	**VR773.1K-180L/4-L30**	146752	539		V043
	5,7	**M8 (5m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	6,6	**M8 (5m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	143016	585		V044
	7,6	**M7 (4m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	151556	585		V044
Ø360	1,9	**M6 (3m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	128244	302	217	V032
	2,1	**M6 (3m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	128155	302		V032
	2,4	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	2,9	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	3,3	**M6 (3m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	120850	379		V034
	3,9	**M5 (2m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	134003	379		V034
	4,5	**M5 (2m)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	131349	408		V035
	5,2	**M5 (2m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	131791	408		V035
	5,9	**M5 (2m)**	22	21	9425	**66,59**	**VR673.1K-180L/4-L30**	130294	418		V036
	6,8	**M5 (2m)**	30	24	11316	**58,54**	**VR673.1K-200L/4-L40**	127038	464		V037
	1,7	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	2,0	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	2,4	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	2,7	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	3,1	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	3,5	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	4,1	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	4,6	**M8 (5m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	142972	529		V042
	5,2	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	5,8	**M8 (5m)**	22	21	9664	**68,02**	**VR773.1K-180L/4-L30**	146752	539		V043
	6,0	**M8 (5m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	7,0	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	8,0	**M7 (4m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	151556	585		V044
Ø380	2,0	**M6 (3m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	128244	302	217	V032
	2,2	**M6 (3m)**	11	7,4	13274	**189,61**	**VR673.1K-160M/4-L20**	122605	359		V033
	2,6	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	3,1	**M6 (3m)**	15	10	12888	**134,51**	**VR673.1K-160L/4-L20**	119141	379		V034
	3,5	**M5 (2m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	134335	379		V034
	4,1	**M5 (2m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	134003	379		V034
	4,8	**M5 (2m)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	131349	408		V035
	5,5	**M5 (2m)**	22	18	10763	**76,17**	**VR673.1K-180L/4-L30**	129541	418		V036
	6,3	**M5 (2m)**	30	21	12853	**66,59**	**VR673.1K-200L/4-L40**	125790	464		V037
	7,1	**M4 (1Am)**	30	24	11316	**58,54**	**VR673.1K-200L/4-L40**	135244	464		V037
	1,8	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	2,1	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	2,5	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	2,8	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	3,2	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	3,7	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	4,3	**M8 (5m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	139603	529		V042
	4,9	**M8 (5m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	142972	529		V042
	5,5	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	6,1	**M7 (4m)**	22	21	9664	**68,02**	**VR773.1K-180L/4-L30**	155733	539		V043
	6,4	**M7 (4m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	151975	585		V044
	7,4	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	8,4	**M7 (4m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	151556	585		V044

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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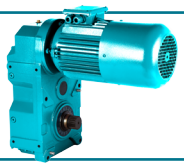
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø400	2,1	**M6 (3m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	128244	302	217	V032
	2,3	**M6 (3m)**	11	7,4	13274	**189,61**	**VR673.1K-160M/4-L20**	122605	359		V033
	2,7	**M5 (2m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	142248	359		V033
	3,3	**M5 (2m)**	15	10	12888	**134,51**	**VR673.1K-160L/4-L20**	134888	379		V034
	3,7	**M5 (2m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	134335	379		V034
	4,3	**M5 (2m)**	18,5	14	12082	**102,10**	**VR673.1K-180M/4-L30**	131000	408		V035
	5,0	**M4 (1Am)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	142533	408		V035
	5,8	**M4 (1Am)**	22	18	10763	**76,17**	**VR673.1K-180L/4-L30**	139513	418		V036
	1,9	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	2,2	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	2,6	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	3,0	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	3,4	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	3,9	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	4,5	**M8 (5m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	139603	529		V042
	5,1	**M7 (4m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	153534	529		V042
	5,8	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	6,5	**M7 (4m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	151945	585		V044
	6,7	**M7 (4m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	151975	585		V044
	7,7	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	8,9	**M7 (4m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	149140	621		V045
Ø420	2,2	**M5 (2m)**	11	6,6	14895	**213,15**	**VR673.1K-160M/4-L20**	154780	359	217	V033
	2,4	**M4 (1Am)**	11	7,4	13274	**189,61**	**VR673.1K-160M/4-L20**	175452	359		V033
	2,9	**M4 (1Am)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	164073	359		V033
	3,4	**M4 (1Am)**	15	10	12888	**134,51**	**VR673.1K-160L/4-L20**	152457	379		V034
	3,9	**M4 (1Am)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	149157	379		V034
	4,5	**M4 (1Am)**	18,5	14	12082	**102,10**	**VR673.1K-180M/4-L30**	143744	408		V035
	2,0	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	2,3	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	2,8	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	3,1	**M8 (5m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	128707	500		V041
	3,6	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	4,1	**M7 (4m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	151201	500		V041
	4,7	**M7 (4m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	151194	529		V042
	5,4	**M7 (4m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	151445	539		V043
	6,1	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	6,8	**M7 (4m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	151945	585		V044
	7,0	**M7 (4m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	151975	585		V044
	8,1	**M6 (3m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	161114	585		V044
	9,3	**M6 (3m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	158284	621		V045
Ø440	2,1	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	2,4	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	2,9	**M7 (4m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	145330	480		V040
	3,2	**M7 (4m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	145184	500		V041
	3,8	**M7 (4m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	148486	500		V041
	4,3	**M7 (4m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	148501	529		V042
	5,0	**M7 (4m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	151194	529		V042
	5,6	**M7 (4m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	151445	539		V043
	6,3	**M6 (3m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	159674	585		V044
	7,1	**M6 (3m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	161329	585		V044
	7,4	**M6 (3m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	161331	585		V044
	8,5	**M6 (3m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	161114	585		V044

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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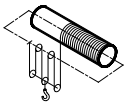

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø270	0,9	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	1,0	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,2	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	1,5	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	1,7	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	1,9	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	2,3	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	2,6	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	3,0	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	3,4	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
	4,0	**M8 (5m)**	15	28	4802	**49,45**	**VR773.1K-160L/4-L20**	147980	500	218	V041
Ø280	1,0	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	1,1	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,3	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	1,5	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	1,7	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	2,0	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	2,3	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	2,7	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	3,1	**M8 (5m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	110559	379		V034
	3,5	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
	4,1	**M8 (5m)**	15	28	4802	**49,45**	**VR773.1K-160L/4-L20**	147980	500	218	V041
Ø290	1,0	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	1,1	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	1,3	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	1,6	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	1,8	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	2,1	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	2,4	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	2,8	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	3,2	**M8 (5m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	110559	379		V034
	3,6	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
	4,3	**M8 (5m)**	18,5	28	5922	**49,45**	**VR773.1K-180M/4-L30**	146772	529	218	V042
Ø300	1,0	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	1,2	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	1,4	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	1,6	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	1,8	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	2,2	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	2,5	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	2,9	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	3,3	**M8 (5m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	110559	379		V034
	3,8	**M7 (4m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	119544	379		V034
	3,9	**M8 (5m)**	15	25	5508	**56,82**	**VR773.1K-160L/4-L20**	148954	500	218	V041
	4,4	**M8 (5m)**	18,5	28	5922	**49,45**	**VR773.1K-180M/4-L30**	146772	529		V042
Ø320	1,1	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	1,2	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	1,5	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	1,7	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	2,0	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	2,3	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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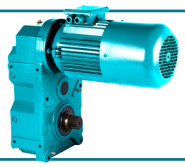

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø320	2,7	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359	217	V033
	3,1	**M8 (5m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	108112	379		V034
	3,5	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	4,0	**M7 (4m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	119544	379		V034
	3,4	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500	218	V041
	3,6	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	4,1	**M8 (5m)**	15	25	5508	**56,82**	**VR773.1K-160L/4-L20**	148954	500		V041
	4,7	**M8 (5m)**	18,5	28	5922	**49,45**	**VR773.1K-180M/4-L30**	146772	529		V042
Ø340	1,2	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	1,3	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	1,5	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	1,9	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	2,1	**M8 (5m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	101816	359		V033
	2,4	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	2,8	**M7 (4m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	117080	359		V033
	3,3	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	3,7	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	4,3	**M7 (4m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	117809	408		V035
	2,6	**M8 (5m)**	11	14	6898	**97,55**	**VR773.1K-160M/4-L20**	144673	480	218	V040
	2,9	**M8 (5m)**	11	16	6091	**85,99**	**VR773.1K-160M/4-L20**	147449	480		V040
	3,3	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	3,7	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	3,8	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	4,4	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	5,0	**M8 (5m)**	18,5	28	5922	**49,45**	**VR773.1K-180M/4-L30**	146772	529		V042
Ø360	1,2	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	1,4	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	1,6	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	2,0	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	2,2	**M8 (5m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	101816	359		V033
	2,6	**M7 (4m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	115154	359		V033
	3,0	**M7 (4m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	117080	359		V033
	3,5	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	4,0	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	4,5	**M7 (4m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	117809	408		V035
	2,4	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480	218	V040
	2,7	**M8 (5m)**	11	14	6898	**97,55**	**VR773.1K-160M/4-L20**	144673	480		V040
	3,1	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	3,5	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	3,9	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	4,0	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	4,6	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	5,3	**M8 (5m)**	22	28	7043	**49,45**	**VR773.1K-180L/4-L30**	145565	539		V043
Ø380	1,3	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	1,5	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	1,7	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	2,1	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	2,3	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	2,7	**M7 (4m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	115154	359		V033
	3,2	**M7 (4m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	114123	379		V034
	3,7	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	4,2	**M7 (4m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	116008	408		V035
	4,8	**M6 (3m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	124980	408		V035

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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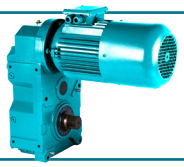
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø380	1,9	**M8 (5m)**	7,5	9,4	7157	**148,95**	**VR773.1K-132M/4-L10**	136422	423	218	V039
	2,2	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	2,5	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	2,9	**M8 (5m)**	11	14	6898	**97,55**	**VR773.1K-160M/4-L20**	144673	480		V040
	3,2	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	3,6	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	4,1	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	4,2	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	4,9	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	5,6	**M8 (5m)**	22	28	7043	**49,45**	**VR773.1K-180L/4-L30**	145565	539		V043

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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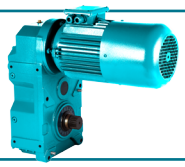

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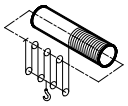

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø270	1,0	**M6 (3m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	84324	184	216	V021
	1,2	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	1,4	**M6 (3m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	84124	194		V022
	1,7	**M6 (3m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	82740	204		V023
	1,9	**M5 (2m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	91634	204		V023
	2,2	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	2,5	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	2,9	**M5 (2m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	89973	261		V024
	3,5	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	3,9	**M4 (1Am)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	93983	281		V025
	4,4	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	5,2	**M4 (1Am)**	22	49	4048	**28,30**	**VR573.1K-180L/4-L30**	92065	320		V027
	0,7	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	0,8	**M8 (5m)**	3,0	7,4	3620	**189,61**	**VR673.1K-100L/4b-L04**	97481	275		V029
	0,9	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	1,1	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	1,2	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	1,5	**M8 (5m)**	5,5	14	3592	**102,10**	**VR673.1K-132S/4-L10**	110035	292		V031
	1,7	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	1,9	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	2,2	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	2,5	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø280	1,1	**M6 (3m)**	4,0	9,8	3656	**143,35**	**VR573.1K-112M/4-L05**	84324	184	216	V021
	1,2	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	1,4	**M6 (3m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	84124	194		V022
	1,8	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	2,0	**M5 (2m)**	7,5	18	3742	**77,63**	**VR573.1K-132M/4-L10**	91634	204		V023
	2,2	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	2,6	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	3,0	**M5 (2m)**	11	27	3692	**51,97**	**VR573.1K-160M/4-L20**	89973	261		V024
	3,6	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	4,1	**M4 (1Am)**	15	37	3657	**37,64**	**VR573.1K-160L/4-L20**	93983	281		V025
	4,6	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	5,4	**M4 (1Am)**	22	49	4048	**28,30**	**VR573.1K-180L/4-L30**	92065	320		V027
	0,7	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	0,8	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,0	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	1,1	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	1,3	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	1,5	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	1,8	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	2,0	**M8 (5m)**	7,5	18	3669	**76,17**	**VR673.1K-132M/4-L10**	112934	302		V032
	2,3	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	2,6	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø290	1,1	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	1,3	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	1,5	**M6 (3m)**	5,5	13	3776	**107,18**	**VR573.1K-132S/4-L10**	84124	194		V022
	1,8	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	2,1	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	2,3	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	2,7	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	3,1	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	3,7	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	4,2	**M4 (1Am)**	18,5	37	4511	**37,64**	**VR573.1K-180M/4-L30**	92600	311		V026
	4,8	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	5,6	**M4 (1Am)**	22	49	4048	**28,30**	**VR573.1K-180L/4-L30**	92065	320		V027

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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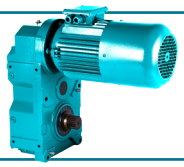

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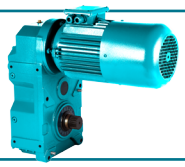
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø290	0,7	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	0,8	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,0	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	1,2	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	1,3	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	1,6	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	1,8	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	2,1	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	2,4	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	2,7	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø300	1,2	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	1,3	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	1,5	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	1,9	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	2,1	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	2,4	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	2,8	**M5 (2m)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	89546	261		V024
	3,2	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	3,9	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	4,4	**M4 (1Am)**	18,5	37	4511	**37,64**	**VR573.1K-180M/4-L30**	92600	311		V026
	4,9	**M4 (1Am)**	18,5	42	4015	**33,46**	**VR573.1K-180M/4-L30**	92885	311		V026
	0,8	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	0,9	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,0	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	1,2	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	1,4	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	1,6	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	1,9	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	2,2	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	2,5	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	2,8	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø310	1,2	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	1,3	**M6 (3m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	83411	194		V022
	1,6	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	1,9	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	2,2	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	2,5	**M5 (2m)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	89239	261		V024
	2,9	**M4 (1Am)**	11	24	4140	**58,36**	**VR573.1K-160M/4-L20**	96227	261		V024
	3,3	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	4,0	**M4 (1Am)**	15	33	4134	**42,62**	**VR573.1K-160L/4-L20**	93867	281		V025
	4,5	**M4 (1Am)**	18,5	37	4511	**37,64**	**VR573.1K-180M/4-L30**	92600	311		V026
	5,1	**M4 (1Am)**	22	42	4775	**33,46**	**VR573.1K-180L/4-L30**	91654	320		V027
	0,8	**M8 (5m)**	3,0	6,6	4062	**213,15**	**VR673.1K-100L/4b-L04**	88704	275	217	V029
	0,9	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,1	**M8 (5m)**	4,0	8,7	4125	**161,66**	**VR673.1K-112M/4-L05**	101441	282		V030
	1,3	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	1,4	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	1,7	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	1,9	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	2,2	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	2,6	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	2,9	**M8 (5m)**	11	24	4149	**58,54**	**VR673.1K-160M/4-L20**	114662	359		V033
Ø320	1,2	**M6 (3m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	82103	194	216	V022
	1,4	**M5 (2m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	95998	194		V022

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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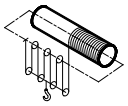

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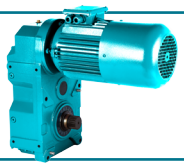
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø320	1,6	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204	216	V023
	2,0	**M5 (2m)**	7,5	16	4229	**87,90**	**VR573.1K-132M/4-L10**	91626	204		V023
	2,3	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	2,5	**M4 (1Am)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	96732	261		V024
	3,0	**M4 (1Am)**	15	24	5646	**58,36**	**VR573.1K-160L/4-L20**	93788	281		V025
	3,4	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	0,8	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	0,9	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,1	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	1,3	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	1,5	**M8 (5m)**	5,5	12	4218	**119,86**	**VR673.1K-132S/4-L10**	107358	292		V031
	1,7	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	2,0	**M8 (5m)**	7,5	16	4220	**87,77**	**VR673.1K-132M/4-L10**	110802	302		V032
	2,3	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	2,6	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	3,0	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø330	1,3	**M5 (2m)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	97770	194	216	V022
	1,4	**M5 (2m)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	95998	194		V022
	1,7	**M5 (2m)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	92342	204		V023
	2,1	**M5 (2m)**	11	16	6203	**87,90**	**VR573.1K-160M/4-L20**	88428	261		V024
	2,3	**M5 (2m)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	88806	261		V024
	2,6	**M4 (1Am)**	11	20	4885	**69,00**	**VR573.1K-160M/4-L20**	96732	261		V024
	3,1	**M4 (1Am)**	15	24	5646	**58,36**	**VR573.1K-160L/4-L20**	93788	281		V025
	3,5	**M4 (1Am)**	15	27	5034	**51,97**	**VR573.1K-160L/4-L20**	93852	281		V025
	0,9	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	1,0	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,1	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	1,3	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	1,5	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	1,8	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	2,1	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	2,4	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	2,7	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	3,1	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø340	0,9	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	1,0	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,2	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	1,4	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	1,6	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	1,8	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	2,1	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	2,5	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	2,8	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	3,2	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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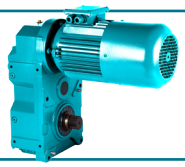
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø320	1,6	**M6 (3m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	128244	302	217	V032
	1,9	**M6 (3m)**	11	7,4	13274	**189,61**	**VR673.1K-160M/4-L20**	122605	359		V033
	2,2	**M5 (2m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	142248	359		V033
	2,6	**M5 (2m)**	15	10	12888	**134,51**	**VR673.1K-160L/4-L20**	134888	379		V034
	2,9	**M5 (2m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	134335	379		V034
	3,4	**M5 (2m)**	18,5	14	12082	**102,10**	**VR673.1K-180M/4-L30**	131000	408		V035
	4,0	**M4 (1Am)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	142533	408		V035
	4,6	**M4 (1Am)**	22	18	10763	**76,17**	**VR673.1K-180L/4-L30**	139513	418		V036
	5,3	**M4 (1Am)**	30	21	12853	**66,59**	**VR673.1K-200L/4-L40**	134792	464		V037
	6,0	**M4 (1Am)**	30	24	11316	**58,54**	**VR673.1K-200L/4-L40**	135244	464		V037
	1,5	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	1,8	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	2,1	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	2,4	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	2,7	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	3,2	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	3,6	**M8 (5m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	139603	529		V042
	4,1	**M7 (4m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	153534	529		V042
	4,6	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	5,2	**M7 (4m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	151945	585		V044
	5,4	**M7 (4m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	151975	585		V044
	6,2	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	7,1	**M7 (4m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	149140	621		V045
Ø340	1,8	**M4 (1Am)**	11	6,6	14895	**213,15**	**VR673.1K-160M/4-L20**	195125	359	217	V033
	2,0	**M4 (1Am)**	11	7,4	13274	**189,61**	**VR673.1K-160M/4-L20**	175452	359		V033
	2,3	**M4 (1Am)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	164073	359		V033
	2,8	**M4 (1Am)**	15	10	12888	**134,51**	**VR673.1K-160L/4-L20**	152457	379		V034
	1,6	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	1,9	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	2,2	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	2,5	**M8 (5m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	128707	500		V041
	2,9	**M7 (4m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	148486	500		V041
	3,4	**M7 (4m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	151201	500		V041
	3,8	**M7 (4m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	151194	529		V042
	4,3	**M7 (4m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	151445	539		V043
	4,9	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	5,5	**M7 (4m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	151945	585		V044
	5,7	**M7 (4m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	151975	585		V044
	6,6	**M6 (3m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	161114	585		V044
	7,6	**M6 (3m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	158284	621		V045
Ø360	1,7	**M8 (5m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	107309	480	218	V040
	2,0	**M7 (4m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	141597	480		V040
	2,4	**M7 (4m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	145330	480		V040
	2,7	**M7 (4m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	145184	500		V041
	3,1	**M7 (4m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	148486	500		V041
	3,5	**M7 (4m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	148501	529		V042
	4,1	**M6 (3m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	163521	529		V042
	4,6	**M6 (3m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	162599	539		V043
	5,2	**M6 (3m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	159674	585		V044
	5,8	**M6 (3m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	161329	585		V044
	6,0	**M6 (3m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	161331	585		V044
	7,0	**M6 (3m)**	37	25	13588	**56,82**	**VR773.1K-225S/4-L50**	158343	621		V045
	8,0	**M6 (3m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	158284	621		V045
Ø380	1,8	**M7 (4m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	135863	480	218	V040
	2,1	**M7 (4m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	141597	480		V040
	2,5	**M7 (4m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	140737	500		V041
	2,8	**M7 (4m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	145184	500		V041

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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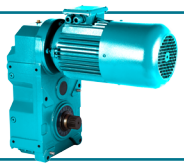
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø380	3,2	**M6 (3m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	164154	500	218	V041
	3,7	**M6 (3m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	162291	529		V042
	4,3	**M6 (3m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	161155	539		V043
	4,9	**M6 (3m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	162599	539		V043
	5,5	**M6 (3m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	159674	585		V044
	6,1	**M6 (3m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	161329	585		V044
	6,4	**M5 (2m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	171452	585		V044
	7,4	**M5 (2m)**	37	25	13588	**56,82**	**VR773.1K-225S/4-L50**	168347	621		V045
	8,4	**M5 (2m)**	45	28	14405	**49,45**	**VR773.1K-225M/4-L50**	165414	645		V046
Ø400	1,9	**M7 (4m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	135863	480	218	V040
	2,2	**M7 (4m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	141597	480		V040
	2,6	**M6 (3m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	162144	500		V041
	3,0	**M6 (3m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	163326	500		V041
	3,4	**M6 (3m)**	18,5	11	15259	**128,81**	**VR773.1K-180M/4-L30**	161042	529		V042
	3,9	**M6 (3m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	162291	529		V042
	4,5	**M6 (3m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	161155	539		V043
	5,1	**M5 (2m)**	30	16	16611	**85,99**	**VR773.1K-200L/4-L40**	170019	585		V044
	5,8	**M5 (2m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	170752	585		V044
	6,5	**M5 (2m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	171479	585		V044
	6,7	**M5 (2m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	171452	585		V044
	7,7	**M5 (2m)**	37	25	13588	**56,82**	**VR773.1K-225S/4-L50**	168347	621		V045
	8,9	**M5 (2m)**	45	28	14405	**49,45**	**VR773.1K-225M/4-L50**	165414	645		V046
Ø420	2,0	**M6 (3m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	170499	480	218	V040
	2,3	**M6 (3m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	168144	480		V040
	2,8	**M6 (3m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	162144	500		V041
	3,1	**M6 (3m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	163326	500		V041
	3,6	**M5 (2m)**	18,5	11	15259	**128,81**	**VR773.1K-180M/4-L30**	178645	529		V042
	4,1	**M5 (2m)**	22	13	15745	**111,53**	**VR773.1K-180L/4-L30**	174911	539		V043
	4,7	**M5 (2m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	174731	539		V043
	5,4	**M5 (2m)**	30	16	16611	**85,99**	**VR773.1K-200L/4-L40**	170019	585		V044
	6,1	**M5 (2m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	170752	585		V044
	6,8	**M5 (2m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	171479	585		V044
	7,0	**M5 (2m)**	37	21	15658	**65,59**	**VR773.1K-225S/4-L50**	168258	621		V045
	8,1	**M4 (1Am)**	37	25	13588	**56,82**	**VR773.1K-225S/4-L50**	178928	621		V045
	9,3	**M4 (1Am)**	45	28	14405	**49,45**	**VR773.1K-225M/4-L50**	175878	645		V046
Ø440	2,1	**M6 (3m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	170499	480	218	V040
	2,4	**M6 (3m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	168144	480		V040
	2,9	**M5 (2m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	187054	500		V041
	3,2	**M5 (2m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	184012	500		V041
	3,8	**M5 (2m)**	18,5	11	15259	**128,81**	**VR773.1K-180M/4-L30**	178645	529		V042
	4,3	**M5 (2m)**	22	13	15745	**111,53**	**VR773.1K-180L/4-L30**	174911	539		V043
	5,0	**M5 (2m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	174731	539		V043
	5,6	**M5 (2m)**	30	16	16611	**85,99**	**VR773.1K-200L/4-L40**	170019	585		V044
	6,3	**M4 (1Am)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	182528	585		V044
Ø450	2,1	**M6 (3m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	170499	480	218	V040
	2,5	**M5 (2m)**	15	7,0	19180	**200,14**	**VR773.1K-160L/4-L20**	194453	500		V041
	3,0	**M5 (2m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	187054	500		V041
	3,3	**M5 (2m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	184012	500		V041
	3,8	**M5 (2m)**	18,5	11	15259	**128,81**	**VR773.1K-180M/4-L30**	178645	529		V042
	4,4	**M5 (2m)**	22	13	15745	**111,53**	**VR773.1K-180L/4-L30**	174911	539		V043
	5,1	**M4 (1Am)**	30	14	18812	**97,55**	**VR773.1K-200L/4-L40**	183945	585		V044
	5,8	**M4 (1Am)**	30	16	16611	**85,99**	**VR773.1K-200L/4-L40**	183062	585		V044
	6,5	**M4 (1Am)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	182528	585		V044

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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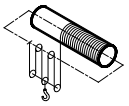

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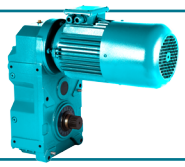
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø280	1,0	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	1,1	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	1,3	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	1,5	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	1,7	**M8 (5m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	101816	359		V033
	2,0	**M7 (4m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	115154	359		V033
	2,3	**M7 (4m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	117080	359		V033
	2,7	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	3,1	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	3,5	**M7 (4m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	117809	408		V035
	2,1	**M8 (5m)**	11	14	6898	**97,55**	**VR773.1K-160M/4-L20**	144673	480	218	V040
	2,4	**M8 (5m)**	11	16	6091	**85,99**	**VR773.1K-160M/4-L20**	147449	480		V040
	2,7	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	3,0	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	3,1	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	3,6	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	4,1	**M8 (5m)**	22	28	7043	**49,45**	**VR773.1K-180L/4-L30**	145565	539		V043
Ø300	1,0	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	1,2	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	1,4	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	1,6	**M7 (4m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	113798	302		V032
	1,8	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	2,2	**M7 (4m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	115154	359		V033
	2,5	**M7 (4m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	114123	379		V034
	2,9	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	3,3	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	3,8	**M6 (3m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	124980	408		V035
	1,7	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480	218	V040
	2,0	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	2,3	**M8 (5m)**	11	14	6898	**97,55**	**VR773.1K-160M/4-L20**	144673	480		V040
	2,6	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	2,9	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	3,2	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	3,4	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	3,9	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	4,4	**M8 (5m)**	22	28	7043	**49,45**	**VR773.1K-180L/4-L30**	145565	539		V043
Ø320	1,1	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	1,2	**M8 (5m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	90345	302		V032
	1,5	**M7 (4m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	111358	302		V032
	1,7	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	2,0	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	2,3	**M7 (4m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	115154	359		V033
	2,7	**M7 (4m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	114123	379		V034
	3,1	**M6 (3m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	124716	379		V034
	3,5	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	4,0	**M6 (3m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	124980	408		V035
	1,4	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423	218	V039
	1,6	**M8 (5m)**	7,5	9,4	7157	**148,95**	**VR773.1K-132M/4-L10**	136422	423		V039
	1,8	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	2,1	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	2,4	**M8 (5m)**	11	14	6898	**97,55**	**VR773.1K-160M/4-L20**	144673	480		V040
	2,7	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	3,1	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	3,4	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	3,6	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	4,1	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	4,7	**M8 (5m)**	22	28	7043	**49,45**	**VR773.1K-180L/4-L30**	145565	539		V043

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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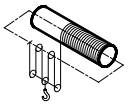

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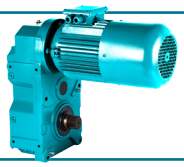
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø340	1,2	**M7 (4m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	105741	292	217	V031
	1,3	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	1,5	**M7 (4m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	111358	302		V032
	1,9	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	2,1	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	2,4	**M7 (4m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	111721	379		V034
	2,8	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	3,3	**M6 (3m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	124716	379		V034
	3,7	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	4,3	**M6 (3m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	123245	418		V036
	1,1	**M8 (5m)**	5,5	6,0	8197	**233,77**	**VR773.1K-132S/4-L10**	116146	413	218	V038
	1,2	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	1,5	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423		V039
	1,7	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	1,9	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	2,2	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	2,6	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	2,9	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	3,3	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	3,7	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	3,8	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	4,4	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	5,0	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø360	1,2	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	1,4	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	1,6	**M7 (4m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	111358	302		V032
	2,0	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	2,2	**M6 (3m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	124880	359		V033
	2,6	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	3,0	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	3,5	**M6 (3m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	122466	408		V035
	4,0	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	4,5	**M6 (3m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	123245	418		V036
	1,1	**M8 (5m)**	5,5	6,0	8197	**233,77**	**VR773.1K-132S/4-L10**	116146	413	218	V038
	1,3	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	1,6	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423		V039
	1,8	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	2,0	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	2,4	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	2,7	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	3,1	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	3,5	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	3,9	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	4,0	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	4,6	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	5,3	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø380	1,3	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	1,5	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	1,7	**M7 (4m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	106615	359		V033
	2,1	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	2,3	**M6 (3m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	124880	359		V033
	2,7	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	3,2	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	3,7	**M6 (3m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	122466	408		V035
	4,2	**M5 (2m)**	22	21	9425	**66,59**	**VR673.1K-180L/4-L30**	130294	418		V036
	4,8	**M5 (2m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	131003	418		V036
	1,2	**M8 (5m)**	5,5	6,0	8197	**233,77**	**VR773.1K-132S/4-L10**	116146	413	218	V038

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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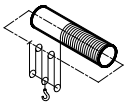

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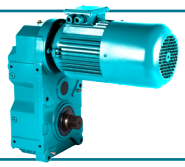
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø380	1,4	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423	218	V039
	1,7	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	1,9	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	2,2	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	2,5	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	2,9	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	3,2	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	3,6	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	4,1	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	4,2	**M8 (5m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	4,9	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	5,6	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø400	1,4	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	1,5	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	1,8	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	2,2	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	2,4	**M6 (3m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	120850	379		V034
	2,9	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	3,3	**M6 (3m)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	120965	408		V035
	3,8	**M5 (2m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	131791	408		V035
	4,4	**M5 (2m)**	22	21	9425	**66,59**	**VR673.1K-180L/4-L30**	130294	418		V036
	1,3	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	1,5	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	1,8	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	2,0	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	2,3	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	2,6	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	3,0	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	3,4	**M8 (5m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	142972	529		V042
	3,8	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	4,3	**M8 (5m)**	22	21	9664	**68,02**	**VR773.1K-180L/4-L30**	146752	539		V043
	4,5	**M8 (5m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	5,2	**M8 (5m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	143016	585		V044
	5,9	**M7 (4m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	151556	585		V044
Ø420	1,4	**M6 (3m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	128244	302	217	V032
	1,6	**M6 (3m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	128155	302		V032
	1,9	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	2,3	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	2,6	**M6 (3m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	120850	379		V034
	3,0	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	3,5	**M5 (2m)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	131349	408		V035
	4,0	**M5 (2m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	131791	408		V035
	4,6	**M5 (2m)**	22	21	9425	**66,59**	**VR673.1K-180L/4-L30**	130294	418		V036
	1,3	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	1,5	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	1,8	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	2,1	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	2,4	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	2,8	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	3,2	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	3,6	**M8 (5m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	142972	529		V042
	4,0	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	4,5	**M8 (5m)**	22	21	9664	**68,02**	**VR773.1K-180L/4-L30**	146752	539		V043
	4,7	**M8 (5m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	5,4	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	6,2	**M7 (4m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	151556	585		V044

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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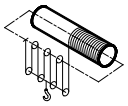

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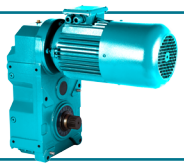
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø270	1,0	**M4 (1Am)**	5,5	9,8	5027	**143,35**	**VR573.1K-132S/4-L10**	116157	194	216	V022
	1,2	**M4 (1Am)**	5,5	11	4456	**126,81**	**VR573.1K-132S/4-L10**	110333	194		V022
	1,4	**M4 (1Am)**	7,5	13	5149	**107,18**	**VR573.1K-132M/4-L10**	103993	204		V023
	1,7	**M4 (1Am)**	11	16	6203	**87,90**	**VR573.1K-160M/4-L20**	98195	261		V024
	1,9	**M4 (1Am)**	11	18	5488	**77,63**	**VR573.1K-160M/4-L20**	97283	261		V024
	0,7	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	0,8	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	0,9	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	1,1	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	1,2	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	1,5	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	1,7	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	1,9	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	2,2	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	2,5	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø280	0,7	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	0,8	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,0	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	1,1	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	1,3	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	1,5	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	1,8	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	2,0	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	2,3	**M8 (5m)**	11	21	4713	**66,59**	**VR673.1K-160M/4-L20**	112811	359		V033
	2,6	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø290	0,7	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	0,8	**M8 (5m)**	4,0	7,4	4827	**189,61**	**VR673.1K-112M/4-L05**	95895	282		V030
	1,0	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	1,2	**M8 (5m)**	5,5	10	4726	**134,51**	**VR673.1K-132S/4-L10**	103513	292		V031
	1,3	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	1,6	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	1,8	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	2,1	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	2,4	**M8 (5m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	110559	379		V034
	2,7	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø300	0,8	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	0,9	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	1,0	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	1,2	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	1,4	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	1,6	**M8 (5m)**	7,5	14	4898	**102,10**	**VR673.1K-132M/4-L10**	108319	302		V032
	1,9	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	2,2	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	2,5	**M8 (5m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	110559	379		V034
	2,8	**M8 (5m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	112680	379		V034
Ø320	0,8	**M8 (5m)**	4,0	6,6	5416	**213,15**	**VR673.1K-112M/4-L05**	86925	282	217	V030
	0,9	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	1,1	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	1,3	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	1,5	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	1,7	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	2,0	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	2,3	**M8 (5m)**	11	18	5381	**76,17**	**VR673.1K-160M/4-L20**	110684	359		V033
	2,6	**M8 (5m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	110559	379		V034
	3,0	**M7 (4m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	119544	379		V034

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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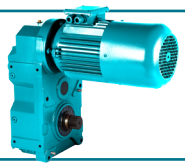
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø320	3,1	**M8 (5m)**	15	25	5508	**56,82**	**VR773.1K-160L/4-L20**	148954	500	218	V041
	3,6	**M8 (5m)**	18,5	28	5922	**49,45**	**VR773.1K-180M/4-L30**	146772	529		V042
Ø340	0,9	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	1,0	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	1,2	**M8 (5m)**	5,5	8,7	5672	**161,66**	**VR673.1K-132S/4-L10**	99409	292		V031
	1,4	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	1,6	**M8 (5m)**	7,5	12	5751	**119,86**	**VR673.1K-132M/4-L10**	105343	302		V032
	1,8	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	2,1	**M8 (5m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	108215	359		V033
	2,5	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	2,8	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	3,2	**M7 (4m)**	15	24	5658	**58,54**	**VR673.1K-160L/4-L20**	119544	379		V034
	2,4	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500	218	V041
	2,7	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	2,8	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	3,3	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	3,8	**M8 (5m)**	18,5	28	5922	**49,45**	**VR773.1K-180M/4-L30**	146772	529		V042
Ø360	0,9	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	1,0	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	1,2	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	1,5	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	1,7	**M8 (5m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	101816	359		V033
	1,9	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	2,3	**M7 (4m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	117080	359		V033
	2,6	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	3,0	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	3,4	**M7 (4m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	117809	408		V035
	2,3	**M8 (5m)**	11	16	6091	**85,99**	**VR773.1K-160M/4-L20**	147449	480	218	V040
	2,6	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	2,9	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	3,0	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	3,5	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	4,0	**M8 (5m)**	18,5	28	5922	**49,45**	**VR773.1K-180M/4-L30**	146772	529		V042
Ø380	1,0	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	1,1	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	1,3	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	1,6	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	1,7	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	2,0	**M7 (4m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	115154	359		V033
	2,4	**M7 (4m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	117080	359		V033
	2,7	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	3,1	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	3,6	**M7 (4m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	117809	408		V035
	1,9	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480	218	V040
	2,1	**M8 (5m)**	11	14	6898	**97,55**	**VR773.1K-160M/4-L20**	144673	480		V040
	2,4	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	2,7	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	3,1	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	3,2	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	3,7	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	4,2	**M8 (5m)**	22	28	7043	**49,45**	**VR773.1K-180L/4-L30**	145565	539		V043

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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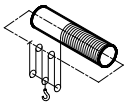

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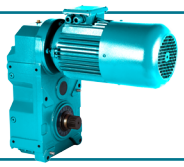
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø320	1,0	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	1,2	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	1,4	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	1,6	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	1,8	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	2,1	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	2,4	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	2,7	**M8 (5m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	142972	529		V042
	3,1	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	3,4	**M8 (5m)**	22	21	9664	**68,02**	**VR773.1K-180L/4-L30**	146752	539		V043
	3,6	**M8 (5m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	4,1	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	4,7	**M7 (4m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	151556	585		V044
Ø340	1,1	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	1,2	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	1,5	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	1,7	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	1,9	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	2,2	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	2,6	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	2,9	**M8 (5m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	140883	539		V043
	3,3	**M8 (5m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	144021	539		V043
	3,7	**M7 (4m)**	22	21	9664	**68,02**	**VR773.1K-180L/4-L30**	155733	539		V043
	3,8	**M7 (4m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	155625	539		V043
	4,4	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	5,0	**M7 (4m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	151556	585		V044
Ø360	1,1	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	1,3	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	1,6	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	1,8	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	2,0	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	2,4	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	2,7	**M8 (5m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	139603	529		V042
	3,1	**M7 (4m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	153534	529		V042
	3,5	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	3,9	**M7 (4m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	151945	585		V044
	4,0	**M7 (4m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	151975	585		V044
	4,6	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	5,3	**M7 (4m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	149140	621		V045
Ø380	1,2	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	1,4	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	1,7	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	1,9	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	2,2	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	2,5	**M7 (4m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	151201	500		V041
	2,9	**M7 (4m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	148828	539		V043
	3,2	**M7 (4m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	151445	539		V043
	3,6	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	4,1	**M7 (4m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	151945	585		V044
	4,2	**M7 (4m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	151975	585		V044
	4,9	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	5,6	**M6 (3m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	158284	621		V045
Ø400	1,3	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	1,5	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	1,8	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	2,0	**M7 (4m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	145184	500		V041
	2,3	**M7 (4m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	148486	500		V041
	2,6	**M7 (4m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	148501	529		V042
	3,0	**M7 (4m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	151194	529		V042

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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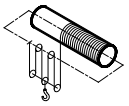

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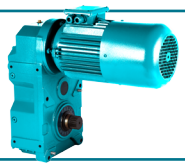
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø400	3,4	**M7 (4m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	151445	539	218	V043
	3,8	**M6 (3m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	159674	585		V044
	4,3	**M6 (3m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	161329	585		V044
	4,5	**M6 (3m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	161331	585		V044
	5,2	**M6 (3m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	161114	585		V044
	5,9	**M6 (3m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	158284	621		V045
Ø420	1,3	**M8 (5m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	107309	480	218	V040
	1,5	**M7 (4m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	141597	480		V040
	1,8	**M7 (4m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	145330	480		V040
	2,1	**M7 (4m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	145184	500		V041
	2,4	**M7 (4m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	148486	500		V041
	2,8	**M7 (4m)**	22	13	15745	**111,53**	**VR773.1K-180L/4-L30**	145800	539		V043
	3,2	**M6 (3m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	161155	539		V043
	3,6	**M6 (3m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	162599	539		V043
	4,0	**M6 (3m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	159674	585		V044
	4,5	**M6 (3m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	161329	585		V044
	4,7	**M6 (3m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	161331	585		V044
	5,4	**M6 (3m)**	37	25	13588	**56,82**	**VR773.1K-225S/4-L50**	158343	621		V045
	6,2	**M5 (2m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	168175	621		V045
Ø440	1,4	**M7 (4m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	135863	480	218	V040
	1,6	**M7 (4m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	141597	480		V040
	1,9	**M7 (4m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	140737	500		V041
	2,2	**M7 (4m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	145184	500		V041
	2,5	**M6 (3m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	164154	500		V041
	2,9	**M6 (3m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	162291	529		V042
	3,3	**M6 (3m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	161155	539		V043
	3,7	**M6 (3m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	162599	539		V043
	4,2	**M6 (3m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	159674	585		V044
	4,7	**M5 (2m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	171479	585		V044
	4,9	**M5 (2m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	171452	585		V044
Ø460	1,4	**M7 (4m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	135863	480	218	V040
	1,6	**M7 (4m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	141597	480		V040
	2,0	**M6 (3m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	162144	500		V041
	2,2	**M6 (3m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	163326	500		V041
	2,6	**M6 (3m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	164154	500		V041
	3,0	**M6 (3m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	162291	529		V042
	3,4	**M6 (3m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	161155	539		V043
	3,8	**M6 (3m)**	30	16	16611	**85,99**	**VR773.1K-200L/4-L40**	157823	585		V044
	4,3	**M5 (2m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	170752	585		V044
	4,8	**M5 (2m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	171479	585		V044
	5,0	**M5 (2m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	171452	585		V044

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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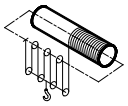

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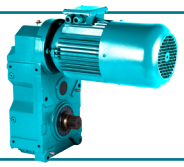
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø280	0,7	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	0,8	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	1,0	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	1,1	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	1,3	**M8 (5m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	101816	359		V033
	1,5	**M8 (5m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	105315	359		V033
	1,8	**M7 (4m)**	11	16	6189	**87,77**	**VR673.1K-160M/4-L20**	117080	359		V033
	2,0	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	2,3	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	2,6	**M7 (4m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	117809	408		V035
	1,8	**M8 (5m)**	11	16	6091	**85,99**	**VR773.1K-160M/4-L20**	147449	480	218	V040
	2,0	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	2,3	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	2,3	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	2,7	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	3,1	**M8 (5m)**	18,5	28	5922	**49,45**	**VR773.1K-180M/4-L30**	146772	529		V042
Ø300	0,8	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	0,9	**M8 (5m)**	5,5	7,4	6637	**189,61**	**VR673.1K-132S/4-L10**	93516	292		V031
	1,0	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	1,2	**M8 (5m)**	7,5	10	6444	**134,51**	**VR673.1K-132M/4-L10**	101255	302		V032
	1,4	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	1,6	**M7 (4m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	115154	359		V033
	1,9	**M7 (4m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	114123	379		V034
	2,2	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	2,5	**M7 (4m)**	15	21	6426	**66,59**	**VR673.1K-160L/4-L20**	117978	379		V034
	2,8	**M6 (3m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	124980	408		V035
	1,5	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480	218	V040
	1,7	**M8 (5m)**	11	14	6898	**97,55**	**VR773.1K-160M/4-L20**	144673	480		V040
	1,9	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	2,2	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	2,4	**M8 (5m)**	15	21	6589	**68,02**	**VR773.1K-160L/4-L20**	150067	500		V041
	2,5	**M8 (5m)**	15	21	6348	**65,59**	**VR773.1K-160L/4-L20**	149864	500		V041
	2,9	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	3,3	**M8 (5m)**	22	28	7043	**49,45**	**VR773.1K-180L/4-L30**	145565	539		V043
Ø320	0,8	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	0,9	**M8 (5m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	90345	302		V032
	1,1	**M8 (5m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	96698	302		V032
	1,3	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	1,5	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	1,7	**M7 (4m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	115154	359		V033
	2,0	**M7 (4m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	114123	379		V034
	2,3	**M7 (4m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	116188	379		V034
	2,6	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	3,0	**M6 (3m)**	18,5	24	6978	**58,54**	**VR673.1K-180M/4-L30**	124980	408		V035
	1,4	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480	218	V040
	1,6	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	1,8	**M8 (5m)**	11	14	6898	**97,55**	**VR773.1K-160M/4-L20**	144673	480		V040
	2,0	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	2,3	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	2,6	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	2,7	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	3,1	**M8 (5m)**	18,5	25	6794	**56,82**	**VR773.1K-180M/4-L30**	147569	529		V042
	3,6	**M8 (5m)**	22	28	7043	**49,45**	**VR773.1K-180L/4-L30**	145565	539		V043
Ø340	0,9	**M8 (5m)**	5,5	6,6	7448	**213,15**	**VR673.1K-132S/4-L10**	84256	292	217	V031
	1,0	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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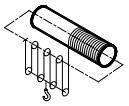

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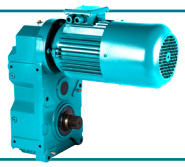
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø340	1,2	**M7 (4m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	111358	302	217	V032
	1,4	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	1,6	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	1,8	**M7 (4m)**	11	14	7184	**102,10**	**VR673.1K-160M/4-L20**	115154	359		V033
	2,1	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	2,5	**M6 (3m)**	15	18	7338	**76,17**	**VR673.1K-160L/4-L20**	124716	379		V034
	2,8	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	3,2	**M6 (3m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	123245	418		V036
	1,1	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423	218	V039
	1,3	**M8 (5m)**	7,5	9,4	7157	**148,95**	**VR773.1K-132M/4-L10**	136422	423		V039
	1,5	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	1,7	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	1,9	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	2,2	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	2,4	**M8 (5m)**	15	18	7379	**76,29**	**VR773.1K-160L/4-L20**	147734	500		V041
	2,7	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	2,8	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	3,3	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	3,8	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø360	0,9	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	1,0	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	1,2	**M7 (4m)**	7,5	8,7	7735	**161,66**	**VR673.1K-132M/4-L10**	111358	302		V032
	1,5	**M7 (4m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	109847	359		V033
	1,7	**M7 (4m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	112878	359		V033
	1,9	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	2,3	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	2,6	**M6 (3m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	122466	408		V035
	3,0	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	3,4	**M6 (3m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	123245	418		V036
	0,8	**M8 (5m)**	5,5	6,0	8197	**233,77**	**VR773.1K-132S/4-L10**	116146	413	218	V038
	1,0	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	1,2	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423		V039
	1,3	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	1,5	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	1,8	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	2,0	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	2,3	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	2,6	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	2,9	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	3,0	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	3,5	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	4,0	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø380	1,0	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	1,1	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	1,3	**M7 (4m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	106615	359		V033
	1,6	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	1,7	**M6 (3m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	124880	359		V033
	2,0	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	2,4	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	2,7	**M6 (3m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	122466	408		V035
	3,1	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	3,6	**M5 (2m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	131003	418		V036
	0,9	**M8 (5m)**	5,5	6,0	8197	**233,77**	**VR773.1K-132S/4-L10**	116146	413	218	V038
	1,0	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	1,3	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423		V039
	1,4	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	1,6	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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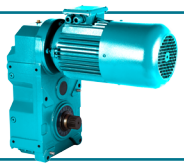
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø380	1,9	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500	218	V041
	2,1	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	2,4	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	2,7	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	3,1	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	3,2	**M8 (5m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	3,7	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	4,2	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø400	1,0	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	1,2	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	1,4	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	1,6	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	1,8	**M6 (3m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	124880	359		V033
	2,2	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	2,5	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	2,9	**M5 (2m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	131791	408		V035
	3,3	**M5 (2m)**	22	21	9425	**66,59**	**VR673.1K-180L/4-L30**	130294	418		V036
	0,9	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	1,1	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	1,3	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	1,5	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	1,7	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	2,0	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	2,3	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	2,6	**M8 (5m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	142972	529		V042
	2,9	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	3,2	**M8 (5m)**	22	21	9664	**68,02**	**VR773.1K-180L/4-L30**	146752	539		V043
	3,4	**M8 (5m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	3,9	**M8 (5m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	143016	585		V044
	4,4	**M7 (4m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	151556	585		V044
Ø420	1,1	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	1,2	**M6 (3m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	128155	302		V032
	1,4	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	1,7	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	1,9	**M6 (3m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	120850	379		V034
	2,3	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	2,6	**M5 (2m)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	131349	408		V035
	3,0	**M5 (2m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	131791	408		V035
	3,5	**M5 (2m)**	22		9425		**VR673.1K-180L/4-L30**	130294	418		V036
	1,0	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	1,2	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	1,4	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	1,5	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	1,8	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	2,1	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	2,4	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	2,7	**M8 (5m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	142972	529		V042
	3,0	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	3,4	**M8 (5m)**	22	21	9664	**68,02**	**VR773.1K-180L/4-L30**	146752	539		V043
	3,5	**M8 (5m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	4,1	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	4,7	**M7 (4m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	151556	585		V044

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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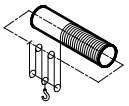

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Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø360	1,1	**M7 (4m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	135863	480	218	V040
	1,3	**M7 (4m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	141597	480		V040
	1,6	**M6 (3m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	162144	500		V041
	1,8	**M6 (3m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	163326	500		V041
	2,0	**M6 (3m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	164154	500		V041
	2,4	**M6 (3m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	162291	529		V042
	2,7	**M6 (3m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	161155	539		V043
	3,1	**M6 (3m)**	30	16	16611	**85,99**	**VR773.1K-200L/4-L40**	157823	585		V044
	3,5	**M5 (2m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	170752	585		V044
	3,9	**M5 (2m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	171479	585		V044
	4,0	**M5 (2m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	171452	585		V044
	4,6	**M5 (2m)**	37	25	13588	**56,82**	**VR773.1K-225S/4-L50**	168347	621		V045
	5,3	**M5 (2m)**	45	28	14405	**49,45**	**VR773.1K-225M/4-L50**	165414	645		V046
Ø380	1,2	**M6 (3m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	170499	480	218	V040
	1,4	**M6 (3m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	168144	480		V040
	1,7	**M6 (3m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	162144	500		V041
	1,9	**M6 (3m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	163326	500		V041
	2,2	**M6 (3m)**	18,5	11	15259	**128,81**	**VR773.1K-180M/4-L30**	161042	529		V042
	2,5	**M5 (2m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	177612	529		V042
	2,9	**M5 (2m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	174731	539		V043
	3,2	**M5 (2m)**	30	16	16611	**85,99**	**VR773.1K-200L/4-L40**	170019	585		V044
	3,6	**M5 (2m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	170752	585		V044
	4,1	**M5 (2m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	171479	585		V044
	4,2	**M5 (2m)**	37	21	15658	**65,59**	**VR773.1K-225S/4-L50**	168258	621		V045
	4,9	**M5 (2m)**	37	25	13588	**56,82**	**VR773.1K-225S/4-L50**	168347	621		V045
	5,6	**M4 (1Am)**	45	28	14405	**49,45**	**VR773.1K-225M/4-L50**	175878	645		V046
Ø400	1,3	**M6 (3m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	170499	480	218	V040
	1,5	**M6 (3m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	168144	480		V040
	1,8	**M6 (3m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	162144	500		V041
	2,0	**M5 (2m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	184012	500		V041
	2,3	**M5 (2m)**	18,5	11	15259	**128,81**	**VR773.1K-180M/4-L30**	178645	529		V042
	2,6	**M5 (2m)**	22	13	15745	**111,53**	**VR773.1K-180L/4-L30**	174911	539		V043
	3,0	**M5 (2m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	174731	539		V043
	3,4	**M5 (2m)**	30	16	16611	**85,99**	**VR773.1K-200L/4-L40**	170019	585		V044
	3,8	**M4 (1Am)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	182528	585		V044
	4,3	**M4 (1Am)**	37	21	16252	**68,02**	**VR773.1K-225S/4-L50**	178902	621		V045
	4,5	**M4 (1Am)**	37	21	15658	**65,59**	**VR773.1K-225S/4-L50**	178964	621		V045
	5,2	**M4 (1Am)**	45	25	16525	**56,82**	**VR773.1K-225M/4-L50**	175761	645		V046
	5,9	**M4 (1Am)**	45	28	14405	**49,45**	**VR773.1K-225M/4-L50**	175878	645		V046
Ø420	1,3	**M6 (3m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	170499	480	218	V040
	1,5	**M5 (2m)**	15	7,0	19180	**200,14**	**VR773.1K-160L/4-L20**	194453	500		V041
	1,8	**M5 (2m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	187054	500		V041
	2,1	**M5 (2m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	184012	500		V041
	2,4	**M5 (2m)**	18,5	11	15259	**128,81**	**VR773.1K-180M/4-L30**	178645	529		V042
	2,8	**M5 (2m)**	22	13	15745	**111,53**	**VR773.1K-180L/4-L30**	174911	539		V043
	3,2	**M4 (1Am)**	30	14	18812	**97,55**	**VR773.1K-200L/4-L40**	183945	585		V044
	3,6	**M4 (1Am)**	30	16	16611	**85,99**	**VR773.1K-200L/4-L40**	183062	585		V044
	4,0	**M4 (1Am)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	182528	585		V044
	4,5	**M4 (1Am)**	37	21	16252	**68,02**	**VR773.1K-225S/4-L50**	178902	621		V045
	4,7	**M4 (1Am)**	37	21	15658	**65,59**	**VR773.1K-225S/4-L50**	178964	621		V045
	5,4	**M4 (1Am)**	45	25	16525	**56,82**	**VR773.1K-225M/4-L50**	175761	645		V046

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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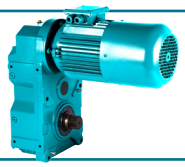
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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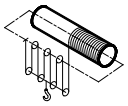

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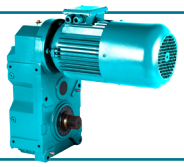
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø300	0,8	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	0,9	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	1,0	**M7 (4m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	106615	359		V033
	1,2	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	1,4	**M6 (3m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	124880	359		V033
	1,6	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	1,9	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	2,2	**M6 (3m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	122466	408		V035
	2,5	**M6 (3m)**	18,5	21	7926	**66,59**	**VR673.1K-180M/4-L30**	123797	408		V035
	2,8	**M5 (2m)**	22	24	8299	**58,54**	**VR673.1K-180L/4-L30**	131003	418		V036
	0,7	**M8 (5m)**	5,5	6,0	8197	**233,77**	**VR773.1K-132S/4-L10**	116146	413	218	V038
	0,8	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	1,0	**M8 (5m)**	7,5	8,4	7987	**166,50**	**VR773.1K-132M/4-L10**	130293	423		V039
	1,1	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	1,3	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	1,5	**M8 (5m)**	11	13	7872	**111,53**	**VR773.1K-160M/4-L20**	141435	480		V040
	1,7	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	1,9	**M8 (5m)**	15	16	8306	**85,99**	**VR773.1K-160L/4-L20**	145061	500		V041
	2,2	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	2,4	**M8 (5m)**	18,5	21	8126	**68,02**	**VR773.1K-180M/4-L30**	148410	529		V042
	2,5	**M8 (5m)**	18,5	21	7829	**65,59**	**VR773.1K-180M/4-L30**	148267	529		V042
	2,9	**M8 (5m)**	22	25	8079	**56,82**	**VR773.1K-180L/4-L30**	146183	539		V043
	3,3	**M8 (5m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	142804	585		V044
Ø320	0,8	**M7 (4m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	102182	302	217	V032
	0,9	**M7 (4m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	107873	302		V032
	1,1	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	1,3	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	1,5	**M6 (3m)**	11	12	8435	**119,86**	**VR673.1K-160M/4-L20**	124880	359		V033
	1,7	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	2,0	**M6 (3m)**	15	16	8440	**87,77**	**VR673.1K-160L/4-L20**	123552	379		V034
	2,3	**M5 (2m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	131791	408		V035
	2,6	**M5 (2m)**	22	21	9425	**66,59**	**VR673.1K-180L/4-L30**	130294	418		V036
	3,0	**M5 (2m)**	30	24	11316	**58,54**	**VR673.1K-200L/4-L40**	127038	464		V037
	0,8	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	0,9	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	1,1	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	1,2	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	1,4	**M8 (5m)**	11	11	9073	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	1,6	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	1,8	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	2,0	**M8 (5m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	142972	529		V042
	2,3	**M8 (5m)**	18,5	18	9101	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	2,6	**M8 (5m)**	22	21	9664	**68,02**	**VR773.1K-180L/4-L30**	146752	539		V043
	2,7	**M8 (5m)**	22	21	9310	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	3,1	**M8 (5m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	143016	585		V044
	3,6	**M7 (4m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	151556	585		V044
Ø340	0,9	**M6 (3m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	128244	302	217	V032
	1,0	**M6 (3m)**	7,5	7,4	9051	**189,61**	**VR673.1K-132M/4-L10**	128155	302		V032
	1,2	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	1,4	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	1,6	**M6 (3m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	120850	379		V034
	1,8	**M6 (3m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	122276	379		V034
	2,1	**M5 (2m)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	131349	408		V035
	2,5	**M5 (2m)**	18,5	18	9051	**76,17**	**VR673.1K-180M/4-L30**	131791	408		V035
	2,8	**M5 (2m)**	22	21	9425	**66,59**	**VR673.1K-180L/4-L30**	130294	418		V036
	3,2	**M5 (2m)**	30	24	11316	**58,54**	**VR673.1K-200L/4-L40**	127038	464		V037
	0,8	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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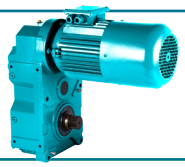
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø340	0,9	**M8 (5m)**	7,5	7,0	159971	**200,14**	**VR773.1K-132M/4-L10**	123479	423	218	V039
	1,1	**M8 (5m)**	11	8,4	156334	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	1,3	**M8 (5m)**	11	9,4	158670	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	1,5	**M8 (5m)**	11	11	160165	**128,81**	**VR773.1K-160M/4-L20**	137602	480		V040
	1,7	**M8 (5m)**	15	13	158369	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	1,9	**M8 (5m)**	15	14	159981	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	2,2	**M8 (5m)**	18,5	16	159353	**85,99**	**VR773.1K-180M/4-L30**	142972	529		V042
	2,4	**M8 (5m)**	18,5	18	160907	**76,29**	**VR773.1K-180M/4-L30**	145878	529		V042
	2,7	**M8 (5m)**	22	21	160641	**68,02**	**VR773.1K-180L/4-L30**	146752	539		V043
	2,8	**M8 (5m)**	22	21	160518	**65,59**	**VR773.1K-180L/4-L30**	146670	539		V043
	3,3	**M7 (4m)**	30	25	156704	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	3,8	**M7 (4m)**	30	28	156338	**49,45**	**VR773.1K-200L/4-L40**	151556	585		V044
Ø360	0,9	**M6 (3m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	128244	302	217	V032
	1,0	**M6 (3m)**	11	7,4	13274	**189,61**	**VR673.1K-160M/4-L20**	122605	359		V033
	1,2	**M6 (3m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	123083	359		V033
	1,5	**M6 (3m)**	11	10	9451	**134,51**	**VR673.1K-160M/4-L20**	123657	359		V033
	1,7	**M5 (2m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	134335	379		V034
	1,9	**M5 (2m)**	15	14	9796	**102,10**	**VR673.1K-160L/4-L20**	134003	379		V034
	2,3	**M5 (2m)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	131349	408		V035
	2,6	**M5 (2m)**	22	18	10763	**76,17**	**VR673.1K-180L/4-L30**	129541	418		V036
	3,0	**M5 (2m)**	22	21	9425	**66,59**	**VR673.1K-180L/4-L30**	130294	418		V036
	3,4	**M5 (2m)**	30	24	11316	**58,54**	**VR673.1K-200L/4-L40**	127038	464		V037
	0,8	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	1,0	**M8 (5m)**	7,5	7,0	9590	**200,14**	**VR773.1K-132M/4-L10**	123479	423		V039
	1,2	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	1,3	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	1,5	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	1,8	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	2,0	**M8 (5m)**	15	14	9406	**97,55**	**VR773.1K-160L/4-L20**	141969	500		V041
	2,3	**M8 (5m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	142972	529		V042
	2,6	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	2,9	**M7 (4m)**	22	21	9664	**68,02**	**VR773.1K-180L/4-L30**	155733	539		V043
	3,0	**M7 (4m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	151975	585		V044
	3,5	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	4,0	**M7 (4m)**	30	28	9603	**49,45**	**VR773.1K-200L/4-L40**	151556	585		V044
Ø380	1,0	**M6 (3m)**	7,5	6,6	10156	**213,15**	**VR673.1K-132M/4-L10**	128244	302	217	V032
	1,1	**M6 (3m)**	11	7,4	13274	**189,61**	**VR673.1K-160M/4-L20**	122605	359		V033
	1,3	**M5 (2m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	142248	359		V033
	1,6	**M5 (2m)**	15	10	12888	**134,51**	**VR673.1K-160L/4-L20**	134888	379		V034
	1,7	**M5 (2m)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	134335	379		V034
	2,0	**M5 (2m)**	18,5	14	12082	**102,10**	**VR673.1K-180M/4-L30**	131000	408		V035
	2,4	**M5 (2m)**	18,5	16	10409	**87,77**	**VR673.1K-180M/4-L30**	131349	408		V035
	2,7	**M4 (1Am)**	22	18	10763	**76,17**	**VR673.1K-180L/4-L30**	139513	418		V036
	3,1	**M4 (1Am)**	30	21	12853	**66,59**	**VR673.1K-200L/4-L40**	134792	464		V037
	3,6	**M4 (1Am)**	30	24	11316	**58,54**	**VR673.1K-200L/4-L40**	135244	464		V037
	0,9	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	1,0	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	1,3	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	1,4	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	1,6	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	1,9	**M8 (5m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	138348	500		V041
	2,1	**M8 (5m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	139603	529		V042
	2,4	**M7 (4m)**	18,5	16	10244	**85,99**	**VR773.1K-180M/4-L30**	153534	529		V042
	2,7	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	3,1	**M7 (4m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	151945	585		V044
	3,2	**M7 (4m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	151975	585		V044
	3,7	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	4,2	**M7 (4m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	149140	621		V045

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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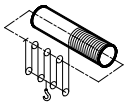

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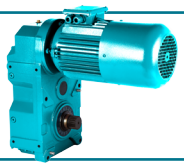
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø400	1,0	**M5 (2m)**	11	6,6	14895	**213,15**	**VR673.1K-160M/4-L20**	154780	359	217	V033
	1,2	**M5 (2m)**	11	7,4	13274	**189,61**	**VR673.1K-160M/4-L20**	146918	359		V033
	1,4	**M5 (2m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	142248	359		V033
	1,6	**M4 (1Am)**	15	10	12888	**134,51**	**VR673.1K-160L/4-L20**	152457	379		V034
	1,8	**M4 (1Am)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	149157	379		V034
	2,2	**M4 (1Am)**	18,5	14	12082	**102,10**	**VR673.1K-180M/4-L30**	143744	408		V035
	2,5	**M4 (1Am)**	22	16	12378	**87,77**	**VR673.1K-180L/4-L30**	139946	418		V036
	2,9	**M4 (1Am)**	22	18	10763	**76,17**	**VR673.1K-180L/4-L30**	139513	418		V036
	0,9	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	1,1	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	1,3	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	1,5	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	1,7	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	2,0	**M7 (4m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	151201	500		V041
	2,3	**M7 (4m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	151194	529		V042
	2,6	**M7 (4m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	151445	539		V043
	2,9	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	3,2	**M7 (4m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	151945	585		V044
	3,4	**M7 (4m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	151975	585		V044
	3,9	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	4,4	**M6 (3m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	158284	621		V045
Ø420	1,0	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	1,2	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	1,4	**M7 (4m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	145330	480		V040
	1,5	**M7 (4m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	145184	500		V041
	1,8	**M7 (4m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	148486	500		V041
	2,1	**M7 (4m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	148501	529		V042
	2,4	**M7 (4m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	151194	529		V042
	2,7	**M7 (4m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	151445	539		V043
	3,0	**M6 (3m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	159674	585		V044
	3,4	**M6 (3m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	161329	585		V044
	3,5	**M6 (3m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	161331	585		V044
	4,1	**M6 (3m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	161114	585		V044
	4,7	**M6 (3m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	158284	621		V045
Ø440	1,0	**M8 (5m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	107309	480	218	V040
	1,2	**M7 (4m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	141597	480		V040
	1,5	**M7 (4m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	145330	480		V040
	1,6	**M7 (4m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	145184	500		V041
	1,9	**M7 (4m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	148486	500		V041
	2,2	**M7 (4m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	148501	529		V042
	2,5	**M6 (3m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	163521	529		V042
	2,8	**M6 (3m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	162599	539		V043
	3,2	**M6 (3m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	159674	585		V044
	3,6	**M6 (3m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	161329	585		V044
	3,7	**M6 (3m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	161331	585		V044

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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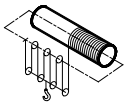

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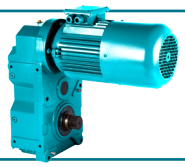
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer D_T [mm]	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit V_h [m/min]	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* ISO (FEM)	Potenza *Power* Leistung [kW]	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Peso *Weight* Gewicht ~ [kg]	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø320	0,8	**M5 (2m)**	11	6,6	14895	**213,15**	**VR673.1K-160M/4-L20**	154780	359	217	V033
	0,9	**M5 (2m)**	11	7,4	13274	**189,61**	**VR673.1K-160M/4-L20**	146918	359		V033
	1,1	**M5 (2m)**	11	8,7	11344	**161,66**	**VR673.1K-160M/4-L20**	142248	359		V033
	1,3	**M4 (1Am)**	15	10	12888	**134,51**	**VR673.1K-160L/4-L20**	152457	379		V034
	1,5	**M4 (1Am)**	15	12	11503	**119,86**	**VR673.1K-160L/4-L20**	149157	379		V034
	1,7	**M4 (1Am)**	18,5	14	12082	**102,10**	**VR673.1K-180M/4-L30**	143744	408		V035
	2,0	**M4 (1Am)**	22	16	12378	**87,77**	**VR673.1K-180L/4-L30**	139946	418		V036
	2,3	**M4 (1Am)**	22	18	10763	**76,17**	**VR673.1K-180L/4-L30**	139513	418		V036
	0,8	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	0,9	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	1,1	**M8 (5m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	126275	480		V040
	1,2	**M8 (5m)**	11	9,4	10496	**148,95**	**VR773.1K-160M/4-L20**	132822	480		V040
	1,4	**M8 (5m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	134045	500		V041
	1,6	**M7 (4m)**	15	13	10735	**111,53**	**VR773.1K-160L/4-L20**	151201	500		V041
	1,8	**M7 (4m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	151194	529		V042
	2,0	**M7 (4m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	151445	539		V043
	2,3	**M7 (4m)**	22	18	10823	**76,29**	**VR773.1K-180L/4-L30**	153727	539		V043
	2,6	**M7 (4m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	151945	585		V044
	2,7	**M7 (4m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	151975	585		V044
	3,1	**M7 (4m)**	30	25	11017	**56,82**	**VR773.1K-200L/4-L40**	151867	585		V044
	3,6	**M6 (3m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	158284	621		V045
Ø340	0,8	**M8 (5m)**	7,5	6,0	11177	**233,77**	**VR773.1K-132M/4-L10**	112933	423	218	V039
	0,9	**M8 (5m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	118654	480		V040
	1,1	**M7 (4m)**	11	8,4	11714	**166,50**	**VR773.1K-160M/4-L20**	145330	480		V040
	1,3	**M7 (4m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	145184	500		V041
	1,5	**M7 (4m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	148486	500		V041
	1,7	**M7 (4m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	148501	529		V042
	1,9	**M7 (4m)**	18,5	14	11601	**97,55**	**VR773.1K-180M/4-L30**	151194	529		V042
	2,2	**M6 (3m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	162599	539		V043
	2,4	**M6 (3m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	159674	585		V044
	2,7	**M6 (3m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	161329	585		V044
	2,8	**M6 (3m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	161331	585		V044
	3,3	**M6 (3m)**	37	25	13588	**56,82**	**VR773.1K-225S/4-L50**	158343	621		V045
	3,8	**M6 (3m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	158284	621		V045
Ø360	0,8	**M7 (4m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	135863	480	218	V040
	1,0	**M7 (4m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	141597	480		V040
	1,2	**M7 (4m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	140737	500		V041
	1,3	**M7 (4m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	145184	500		V041
	1,5	**M6 (3m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	164154	500		V041
	1,8	**M6 (3m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	162291	529		V042
	2,0	**M6 (3m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	161155	539		V043
	2,3	**M6 (3m)**	22	16	12182	**85,99**	**VR773.1K-180L/4-L30**	162599	539		V043
	2,6	**M6 (3m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	159674	585		V044
	2,9	**M6 (3m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	161329	585		V044
	3,0	**M6 (3m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	161331	585		V044
	3,5	**M5 (2m)**	37	25	13588	**56,82**	**VR773.1K-225S/4-L50**	168347	621		V045
	4,0	**M5 (2m)**	37	28	11844	**49,45**	**VR773.1K-225S/4-L50**	168175	621		V045
Ø380	0,9	**M7 (4m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	135863	480	218	V040
	1,0	**M7 (4m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	141597	480		V040
	1,3	**M6 (3m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	162144	500		V041
	1,4	**M6 (3m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	163326	500		V041
	1,6	**M6 (3m)**	15	11	12372	**128,81**	**VR773.1K-160L/4-L20**	164154	500		V041
	1,9	**M6 (3m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	162291	529		V042
	2,1	**M6 (3m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	161155	539		V043
	2,4	**M5 (2m)**	30	16	16611	**85,99**	**VR773.1K-200L/4-L40**	170019	585		V044
	2,7	**M5 (2m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	170752	585		V044
	3,1	**M5 (2m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	171479	585		V044
	3,2	**M5 (2m)**	30	21	12696	**65,59**	**VR773.1K-200L/4-L40**	171452	585		V044
	3,7	**M5 (2m)**	37	25	13588	**56,82**	**VR773.1K-225S/4-L50**	168347	621		V045

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.



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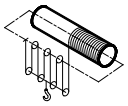

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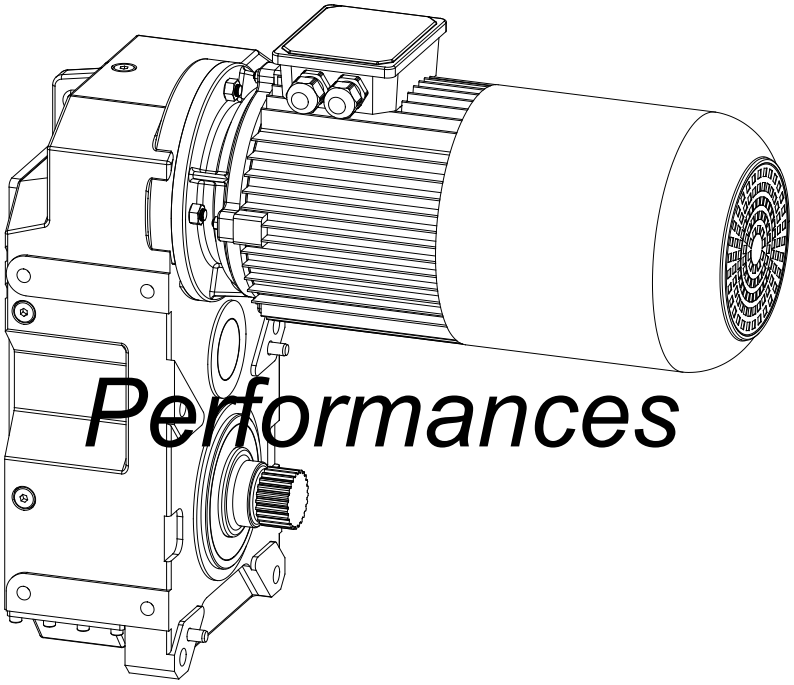
Diametro Tamburo *Drum Diameter* Trommel Durchmeßer **D_T [mm]**	Velocità di sollevamento *Lifting Speed* Hubgesch-windigkeit **V_h [m/min]**	Classe dell'app. di sollevamento *Crane* Class* Kranklasse* **ISO (FEM)**	Potenza *Power* Leistung **[kW]**	Velocità in uscita *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	Coppia in uscita *Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	Rapporto *Ratio* Übersetzung **i**	Tipo *Type* Typ	Carichi radiali ammessi (uscita) *Per. O.Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	Peso *Weight* Gewicht ~ **[kg]**	Tab. dimensioni *Dim. Page* Maße Seite	Rif. prezzo *Price Ref.* Preis No.
Ø380	4,2	**M5 (2m)**	45	28	14405	**49,45**	**VR773.1K-225M/4-L50**	165414	645	218	V046
Ø400	0,9	**M6 (3m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	170499	480	218	V040
	1,1	**M6 (3m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	168144	480		V040
	1,3	**M6 (3m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	162144	500		V041
	1,5	**M6 (3m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	163326	500		V041
	1,7	**M6 (3m)**	18,5	11	15259	**128,81**	**VR773.1K-180M/4-L30**	161042	529		V042
	2,0	**M5 (2m)**	18,5	13	13240	**111,53**	**VR773.1K-180M/4-L30**	177612	529		V042
	2,3	**M5 (2m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	174731	539		V043
	2,6	**M5 (2m)**	30	16	16611	**85,99**	**VR773.1K-200L/4-L40**	170019	585		V044
	2,9	**M5 (2m)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	170752	585		V044
	3,2	**M5 (2m)**	30	21	13178	**68,02**	**VR773.1K-200L/4-L40**	171479	585		V044
	3,4	**M5 (2m)**	37	21	15658	**65,59**	**VR773.1K-225S/4-L50**	168258	621		V045
	3,9	**M4 (1Am)**	37	25	13588	**56,82**	**VR773.1K-225S/4-L50**	178928	621		V045
	4,4	**M4 (1Am)**	45	28	14405	**49,45**	**VR773.1K-225M/4-L50**	175878	645		V046
Ø420	1,0	**M6 (3m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	170499	480	218	V040
	1,2	**M6 (3m)**	11	7,0	14066	**200,14**	**VR773.1K-160M/4-L20**	168144	480		V040
	1,4	**M5 (2m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	187054	500		V041
	1,5	**M5 (2m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	184012	500		V041
	1,8	**M5 (2m)**	18,5	11	15259	**128,81**	**VR773.1K-180M/4-L30**	178645	529		V042
	2,1	**M5 (2m)**	22	13	15745	**111,53**	**VR773.1K-180L/4-L30**	174911	539		V043
	2,4	**M5 (2m)**	22	14	13796	**97,55**	**VR773.1K-180L/4-L30**	174731	539		V043
	2,7	**M5 (2m)**	30	16	16611	**85,99**	**VR773.1K-200L/4-L40**	170019	585		V044
	3,0	**M4 (1Am)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	182528	585		V044
	3,4	**M4 (1Am)**	37	21	16252	**68,02**	**VR773.1K-225S/4-L50**	178902	621		V045
	3,5	**M4 (1Am)**	37	21	15658	**65,59**	**VR773.1K-225S/4-L50**	178964	621		V045
	4,1	**M4 (1Am)**	45	25	16525	**56,82**	**VR773.1K-225M/4-L50**	175761	645		V046
	4,7	**M4 (1Am)**	45	28	14405	**49,45**	**VR773.1K-225M/4-L50**	175878	645		V046
Ø440	1,0	**M6 (3m)**	11	6,0	16393	**233,77**	**VR773.1K-160M/4-L20**	170499	480	218	V040
	1,2	**M5 (2m)**	15	7,0	19180	**200,14**	**VR773.1K-160L/4-L20**	194453	500		V041
	1,5	**M5 (2m)**	15	8,4	15974	**166,50**	**VR773.1K-160L/4-L20**	187054	500		V041
	1,6	**M5 (2m)**	15	9,4	14313	**148,95**	**VR773.1K-160L/4-L20**	184012	500		V041
	1,9	**M5 (2m)**	18,5	11	15259	**128,81**	**VR773.1K-180M/4-L30**	178645	529		V042
	2,2	**M5 (2m)**	22	13	15745	**111,53**	**VR773.1K-180L/4-L30**	174911	539		V043
	2,5	**M4 (1Am)**	30	14	18812	**97,55**	**VR773.1K-200L/4-L40**	183945	585		V044
	2,8	**M4 (1Am)**	30	16	16611	**85,99**	**VR773.1K-200L/4-L40**	183062	585		V044
	3,2	**M4 (1Am)**	30	18	14759	**76,29**	**VR773.1K-200L/4-L40**	182528	585		V044

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.

Tabelle Prestazionionali



Performances

Leistung Tabellen

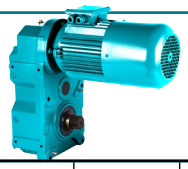


Tabelle prestazionali Serie V
V Series Performance Tables
V Serien Leistung Tabellen

n_1=2800

Coppia nominale *Nominal Torques* Nenndrehmoment **fs=1 [Nm]**	Rapporto *Ratio* Übersetzung **i**	Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	Velocità di rotazione in entrata *Input Speeds* Antriebswelle Drehzahlen **n_1 [r.p.m]**	Tipo *Type* Typ	P_e= Potenza nominale in entrata [kW] (ISO 4301/1 (FEM 9.511/86)) *P_e= Nominal Input Power [kW] (ISO 4301/1 (FEM 9.511/86))* P_e= Antriebsnennleistung [kW] (ISO 4301/1 (FEM 9.511/86)) **Classe dell'apparecchio di sollevamento** / *Crane Class* / Kranklasse*								Carichi radiali ammessi (uscita) *Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb)
					M2 (1Cm)	**M3 (1Bm)**	**M4 (1Am)**	**M5 (2m)**	**M6 (3m)**	**M7 (4m)**	**M8 (5m)**	**fs=1**	
490	23,58	119	**2800**	**VR373...**	11,18	10,41	10,19	**8,92**	7,10	5,67	4,49	**6,38**	12920
520	27,53	102			9,64	9,13	8,78	**8,16**	6,43	5,14	4,08	**5,81**	12285
545	32,11	87			8,29	8,02	7,55	**7,38**	5,85	4,65	3,69	**5,22**	12862
565	35,49	79			7,53	7,37	6,86	**6,76**	5,47	4,34	3,47	**4,91**	13249
595	41,42	68			6,49	6,39	5,91	**5,82**	4,96	3,95	3,13	**4,44**	13876
630	52,30	54			5,19	5,11	4,82	**4,65**	4,15	3,32	2,64	**3,74**	14886
650	57,79	48			4,71	4,64	4,43	**4,23**	3,90	3,09	2,44	**3,49**	15342
685	67,45	42			4,09	4,00	3,89	**3,64**	3,51	2,81	2,24	**3,16**	16060
724	79,34	35			3,57	3,42	3,37	**3,12**	3,07	2,52	1,99	**2,85**	16864
730	94,32	30			3,08	2,90	2,86	**2,66**	2,60	2,26	1,77	**2,42**	17758
735	106,69	26			2,78	2,57	2,54	**2,40**	2,31	2,09	1,62	**2,16**	18431
740	121,67	23			2,46	2,27	2,24	**2,15**	2,04	1,93	1,50	**1,91**	19162
920	28,45	98	**2800**	**VR473...**	17,10	16,85	16,62	**14,01**	11,10	8,84	7,00	**9,91**	15531
990	34,28	82			14,29	14,08	13,88	**12,37**	9,86	7,80	6,19	**8,88**	16414
1050	41,50	67			11,89	11,72	11,54	**10,99**	8,69	6,90	5,49	**7,80**	17357
1100	47,37	59			10,47	10,32	10,17	**10,02**	7,95	6,39	5,02	**7,17**	18055
1150	54,35	52			9,18	9,04	8,91	**8,78**	7,29	5,81	4,61	**6,55**	18793
1180	61,85	45			8,10	7,98	7,87	**7,75**	6,62	5,16	4,06	**5,91**	19609
1220	70,59	40			7,20	7,03	6,93	**6,83**	6,07	4,75	3,65	**5,37**	20429
1290	81,00	35			6,41	6,16	6,07	**5,98**	5,54	4,31	3,34	**4,96**	21272
1350	95,87	29			5,55	5,23	5,16	**5,08**	4,91	3,87	2,96	**4,39**	22385
1370	101,48	28			5,29	4,96	4,88	**4,81**	4,74	3,72	2,83	**4,21**	22781
1413	121,49	23			4,55	4,17	4,11	**4,05**	3,99	3,28	2,53	**3,64**	24015
1423	138,35	20			4,08	3,71	3,63	**3,58**	3,53	3,00	2,34	**3,23**	24935
1780	28,30	99	**2800**	**VR573...**	49,21	42,94	34,07	**27,04**	21,42	17,09	13,63	**19,25**	29462
1880	33,46	84			41,72	38,51	30,53	**24,21**	19,26	15,31	12,20	**17,24**	30984
1960	37,64	74			37,14	35,67	28,24	**22,45**	17,80	14,20	11,27	**16,00**	32101
2040	42,62	66			32,86	32,72	26,07	**20,66**	16,39	13,07	10,40	**14,73**	33327
2180	51,97	54			26,99	26,99	22,84	**18,15**	14,36	11,45	9,14	**12,93**	35377
2310	58,36	48			24,08	23,93	21,65	**17,15**	13,60	10,85	8,58	**12,23**	36647
2440	69,00	41			20,42	20,38	19,39	**15,39**	12,21	9,74	7,76	**10,95**	38552
2540	77,63	36			18,18	18,18	17,94	**14,23**	11,31	8,99	7,11	**10,15**	39935
2650	87,90	32			16,09	16,09	15,91	**13,12**	10,43	8,38	6,47	**9,37**	41444
2830	107,18	26			13,22	13,22	13,13	**11,50**	9,15	7,29	5,69	**8,22**	43996
2990	126,81	22			11,20	11,20	11,15	**10,31**	8,20	6,60	5,12	**7,36**	46287
3110	143,35	20			9,93	9,93	9,93	**9,82**	7,55	6,07	4,71	**6,79**	48024
3250	163,77	17			8,71	8,71	8,71	**8,62**	6,93	5,53	4,29	**6,22**	49981
6600	87,77	32	**2800**	**VR673...**	38,89	38,18	36,41	**31,46**	25,81	20,86	16,97	**23,33**	61153
6800	102,10	27			33,51	32,90	31,98	**28,33**	22,85	18,58	15,23	**20,71**	63986
7100	119,86	23			28,54	28,28	27,76	**24,91**	20,24	16,34	13,49	**18,42**	67116
7300	134,51	21			25,47	25,47	25,01	**22,92**	18,52	15,05	12,27	**16,90**	69444
7550	161,66	17			21,22	21,22	20,84	**19,68**	16,21	13,31	10,80	**14,57**	73385
7600	189,61	15			18,14	18,14	17,81	**17,15**	14,51	11,87	9,57	**12,53**	76953
7650	213,15	13			16,17	16,17	16,02	**15,44**	13,38	10,88	8,82	**11,25**	79705
10000	111,53	25	**2800**	**VR773...**	41,68	41,68	41,40	**36,96**	33,07	29,73	24,45	**27,79**	85593
10100	128,81	22			36,17	36,17	36,17	**32,79**	29,42	26,53	22,43	**24,35**	89428
10200	148,95	19			31,27	31,27	31,27	**28,98**	26,06	23,35	20,01	**21,26**	93362
10200	166,50	17			28,02	28,02	28,02	**26,34**	23,72	21,30	18,49	**19,05**	96531
10300	200,14	14			23,34	23,34	23,34	**22,57**	20,23	18,21	16,03	**16,03**	101946
10400	233,77	12			20,03	20,03	20,03	**20,03**	17,76	16,03	14,29	**13,89**	106781

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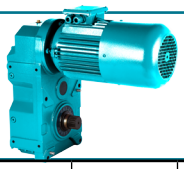

Tabelle prestazionali Serie V
V Series Performance Tables
V Serien Leistung Tabellen

n_1=1400

Coppia nominale *Nominal Torques* Nenndrehmoment **fs=1 [Nm]**	Rapporto *Ratio* Übersetzung **i**	Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	Velocità di rotazione in entrata *Input Speeds* Antriebswelle Drehzahlen **n_1 [r.p.m]**	Tipo *Type* Typ	P_e= Potenza nominale in entrata [kW] (ISO 4301/1 (FEM 9.511/86)) *P_e= Nominal Input Power [kW] (ISO 4301/1 (FEM 9.511/86))* P_e= Antriebsnennleistung [kW] (ISO 4301/1 (FEM 9.511/86)) Classe dell'apparecchio di sollevamento / *Crane Class* / Kranklasse*								Carichi radiali ammessi (uscita) *Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb)
					M2 (1Cm)	**M3 (1Bm)**	**M4 (1Am)**	**M5 (2m)**	**M6 (3m)**	**M7 (4m)**	**M8 (5m)**	**fs=1**	
615	23,58	59	**1400**	**VR373...**	5,72	5,63	5,24	**5,13**	4,48	3,57	2,85	**4,03**	16355
650	27,53	51			4,92	4,85	4,60	**4,42**	4,07	3,26	2,58	**3,65**	17150
685	32,11	44			4,24	4,17	4,04	**3,80**	3,68	2,94	2,34	**3,30**	17972
710	35,49	39			3,90	3,79	3,71	**3,45**	3,40	2,75	2,18	**3,10**	18521
725	41,42	34			3,42	3,26	3,22	**2,98**	2,93	2,49	1,99	**2,72**	19426
734	52,30	27			2,81	2,61	2,57	**2,42**	2,34	2,08	1,65	**2,19**	20794
738	57,79	24			2,56	2,37	2,33	**2,23**	2,13	1,96	1,55	**1,99**	21440
744	67,45	21			2,20	2,06	2,01	**1,96**	1,83	1,77	1,40	**1,72**	22472
751	79,34	18			1,88	1,79	1,72	**1,69**	1,57	1,54	1,26	**1,48**	23615
758	94,32	15			1,58	1,55	1,46	**1,43**	1,33	1,31	1,13	**1,26**	24901
763	106,69	13			1,40	1,40	1,29	**1,27**	1,20	1,16	1,05	**1,13**	25860
769	121,67	12			1,23	1,23	1,14	**1,12**	1,08	1,02	0,97	**1,00**	26929
1160	28,45	49	**1400**	**VR473...**	8,73	8,60	8,48	**8,35**	7,01	5,57	4,44	**6,28**	18517
1240	34,28	41			7,33	7,19	7,08	**6,98**	6,21	4,95	3,92	**5,58**	19567
1325	41,50	34			6,24	5,98	5,89	**5,80**	5,48	4,36	3,47	**4,94**	20690
1385	47,37	30			5,58	5,26	5,19	**5,11**	5,04	4,02	3,17	**4,53**	21515
1405	54,35	26			4,96	4,61	4,54	**4,48**	4,41	3,66	2,92	**4,02**	22386
1415	61,85	23			4,45	4,07	4,01	**3,95**	3,89	3,32	2,64	**3,56**	23298
1424	70,59	20			3,98	3,61	3,53	**3,48**	3,43	3,05	2,39	**3,15**	24271
1435	81,00	17			3,54	3,22	3,10	**3,05**	3,00	2,78	2,16	**2,77**	25301
1447	95,87	15			3,07	2,79	2,63	**2,59**	2,55	2,47	1,91	**2,36**	26632
1452	101,48	14			2,92	2,66	2,49	**2,45**	2,42	2,38	1,87	**2,24**	27026
1466	121,49	12			2,46	2,28	2,09	**2,06**	2,03	2,01	1,65	**1,90**	28518
1477	138,35	10			2,17	2,05	1,86	**1,82**	1,80	1,77	1,51	**1,68**	29642
2240	28,30	49	**1400**	**VR573...**	24,73	24,73	21,50	**17,07**	13,53	10,79	8,59	**12,18**	32600
2365	33,46	42			20,96	20,96	19,26	**15,30**	12,12	9,68	7,69	**10,90**	34258
2460	37,64	37			18,66	18,66	17,80	**14,15**	11,22	8,96	7,12	**10,09**	35477
2565	42,62	33			16,51	16,51	16,44	**13,04**	10,34	8,25	6,57	**9,31**	36805
2740	51,97	27			13,56	13,56	13,56	**11,44**	9,07	7,24	5,75	**8,16**	39040
2905	58,36	24			12,09	12,09	12,06	**10,81**	8,58	6,84	5,45	**7,72**	40329
3070	69,00	20			10,25	10,25	10,22	**9,68**	7,69	6,14	4,89	**6,91**	42373
3195	77,63	18			9,12	9,12	9,12	**9,02**	7,12	5,68	4,52	**6,40**	43880
3330	87,90	16			8,07	8,07	8,07	**7,98**	6,56	5,24	4,20	**5,91**	45490
3550	107,18	13			6,63	6,63	6,63	**6,58**	5,76	4,60	3,66	**5,17**	48281
3680	126,81	11			5,62	5,62	5,62	**5,59**	5,16	4,12	3,31	**4,54**	50699
3705	143,35	9,8			4,98	4,98	4,98	**4,97**	4,76	3,80	3,04	**4,05**	52588
3730	163,77	8,5			4,37	4,37	4,37	**4,37**	4,32	3,48	2,77	**3,58**	54725
7200	58,54	24	**1400**	**VR673...**	29,16	28,82	28,18	**25,90**	21,08	17,10	13,92	**19,09**	56546
7500	66,59	21			25,68	25,68	25,12	**23,22**	19,26	15,76	12,72	**17,51**	58772
7530	76,17	18			22,48	22,48	22,06	**20,62**	17,58	14,31	11,65	**15,39**	61142
7580	87,77	16			19,55	19,55	19,23	**18,25**	15,91	12,97	10,58	**13,47**	63779
7630	102,10	14			16,84	16,84	16,61	**16,02**	14,16	11,56	9,34	**11,68**	66897
7690	119,86	12			14,34	14,34	14,21	**13,91**	12,52	10,24	8,28	**10,03**	70267
7730	134,51	10			12,80	12,80	12,80	**12,52**	11,52	9,37	7,62	**9,00**	72759
7800	161,66	8,7			10,67	10,67	10,67	**10,47**	9,86	8,19	6,69	**7,56**	76902
7920	189,61	7,4			9,12	9,12	9,12	**8,98**	8,59	7,29	5,97	**6,56**	80701
8060	213,15	6,6			8,12	8,12	8,12	**8,02**	7,77	6,72	5,46	**5,95**	83646
10000	49,45	28	**1400**	**VR773...**	46,86	46,86	45,61	**40,92**	36,55	33,11	26,87	**31,24**	68691
10000	56,82	25			40,85	40,85	40,57	**36,49**	32,68	29,41	24,51	**27,23**	71559
10100	65,59	21			35,44	35,44	35,44	**32,14**	28,83	25,99	21,98	**23,87**	74801
10100	68,02	21			34,15	34,15	34,15	**31,19**	28,00	25,04	21,40	**22,99**	75633
10200	76,29	18			30,49	30,49	30,49	**28,46**	25,41	22,77	19,72	**20,73**	78299
10200	85,99	16			27,09	27,09	27,09	**25,65**	22,94	20,59	18,24	**18,42**	81094
10300	97,55	14			23,92	23,92	23,92	**23,12**	20,73	18,50	16,58	**16,43**	84302
10300	111,53	13			20,96	20,96	20,96	**20,96**	18,44	16,63	14,81	**14,39**	87996
10400	128,81	11			18,19	18,19	18,19	**18,19**	16,37	14,67	13,22	**12,61**	92048
10500	148,95	9,4			15,72	15,72	15,72	**15,72**	14,46	13,00	11,63	**11,00**	96482
10500	166,50	8,4			14,09	14,09	14,09	**14,09**	13,24	11,83	10,61	**9,86**	99944
10800	200,14	7,0			11,73	11,73	11,73	**11,73**	11,34	10,17	9,07	**8,45**	105994
11100	233,77	6,0			10,07	10,07	10,07	**10,07**	10,00	8,92	7,98	**7,45**	111312

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.

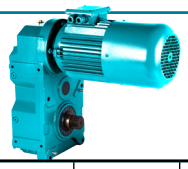

Tabelle prestazionali Serie V
V Series Performance Tables
V Serien Leistung Tabellen

n_1=900

Coppia nominale *Nominal Torques* Nenndrehmo-ment **fs=1 [Nm]**	**Rapporto** *Ratio* Übersetzung **i**	**Velocità di rotazione in uscita** *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	**Velocità di rotazione in entrata** *Input Speeds* Antriebswelle Drehzahlen **n_1 [r.p.m]**	**Tipo** *Type* Typ	**P_e= Potenza nominale in entrata [kW] (ISO 4301/1 (FEM 9.511/86))** *P_e= Nominal Input Power [kW] (ISO 4301/1 (FEM 9.511/86))* P_e= Antriebsnennleistung [kW] (ISO 4301/1 (FEM 9.511/86)) **Classe dell'apparecchio di sollevamento** / *Crane Class* / Kranklasse*							**Carichi radiali ammessi (uscita)** *Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb)
					M2 (1Cm)	**M3 (1Bm)**	**M4 (1Am)**	**M5 (2m)**	**M6 (3m)**	**M7 (4m)**	**M8 (5m)**	**fs=1**	
710	23,58	38	**900**	**VR373...**	3,78	3,69	3,61	**3,35**	3,31	2,67	2,12	**3,01**	15586
720	27,53	33			3,30	3,16	3,12	**2,87**	2,83	2,43	1,92	**2,61**	18161
730	32,11	28			2,92	2,74	2,67	**2,52**	2,46	2,18	1,74	**2,27**	19022
740	35,49	25			2,68	2,48	2,42	**2,31**	2,23	2,06	1,63	**2,08**	19603
740	41,42	22			2,30	2,13	2,10	**2,03**	1,91	1,86	1,48	**1,79**	20536
750	52,30	17			1,83	1,75	1,67	**1,65**	1,52	1,50	1,23	**1,44**	22016
750	57,79	16			1,65	1,60	1,52	**1,50**	1,39	1,36	1,15	**1,31**	22686
760	67,45	13			1,42	1,41	1,32	**1,29**	1,21	1,18	1,05	**1,14**	23770
770	79,34	11			1,21	1,21	1,12	**1,11**	1,06	1,01	0,94	**0,98**	24961
770	94,32	9,5			1,02	1,02	0,97	**0,93**	0,91	0,85	0,84	**0,83**	26293
780	106,69	8,4			0,90	0,90	0,87	**0,83**	0,82	0,76	0,74	**0,74**	27263
780	121,67	7,4			0,79	0,79	0,78	**0,73**	0,72	0,67	0,66	**0,65**	28345
1340	28,45	32	**900**	**VR473...**	5,90	5,63	5,52	**5,45**	5,21	4,16	3,32	**4,68**	21725
1400	34,28	26			5,03	4,68	4,62	**4,56**	4,48	3,69	2,94	**4,07**	22956
1420	41,50	22			4,28	3,90	3,85	**3,78**	3,73	3,25	2,60	**3,42**	24280
1430	47,37	19			3,82	3,49	3,38	**3,34**	3,27	3,00	2,39	**3,02**	25242
1440	54,35	17			3,41	3,10	2,97	**2,92**	2,88	2,75	2,18	**2,66**	26293
1450	61,85	15			3,05	2,78	2,61	**2,58**	2,53	2,47	1,96	**2,35**	27369
1460	70,59	13			2,71	2,48	2,30	**2,27**	2,24	2,21	1,81	**2,08**	28443
1470	81,00	11			2,37	2,20	2,02	**1,99**	1,96	1,93	1,64	**1,83**	29642
1480	95,87	9,4			2,00	1,92	1,74	**1,69**	1,66	1,64	1,45	**1,56**	31195
1490	101,48	8,9			1,89	1,82	1,65	**1,59**	1,57	1,55	1,40	**1,48**	31713
1500	121,49	7,4			1,59	1,57	1,42	**1,34**	1,33	1,30	1,24	**1,25**	33456
1530	138,35	6,5			1,40	1,40	1,28	**1,18**	1,17	1,15	1,14	**1,13**	34774
2580	28,30	32	**900**	**VR573...**	15,97	15,97	15,94	**12,71**	10,11	8,04	6,39	**9,06**	41451
2730	33,46	27			13,54	13,54	13,54	**11,40**	9,05	7,20	5,74	**8,12**	43597
2840	37,64	24			12,05	12,05	12,05	**10,57**	8,37	6,68	5,32	**7,52**	45175
2960	42,62	21			10,66	10,66	10,66	**9,72**	7,71	6,16	4,90	**6,94**	46895
3160	51,97	17			8,75	8,75	8,75	**8,66**	6,77	5,41	4,29	**6,08**	49777
3360	58,36	15			7,80	7,80	7,80	**7,74**	6,40	5,11	4,07	**5,76**	51578
3550	69,00	13			6,61	6,61	6,61	**6,57**	5,74	4,58	3,63	**5,16**	54241
3680	77,63	12			5,89	5,89	5,89	**5,86**	5,32	4,24	3,38	**4,76**	56208
3700	87,90	10			5,21	5,21	5,21	**5,20**	4,90	3,90	3,11	**4,24**	58352
3730	107,18	8,4			4,28	4,28	4,28	**4,28**	4,23	3,43	2,73	**3,51**	61938
3810	126,81	7,1			3,62	3,62	3,62	**3,62**	3,59	3,07	2,45	**3,04**	65160
3890	143,35	6,3			3,21	3,21	3,21	**3,21**	3,20	2,84	2,26	**2,75**	67612
3970	163,77	5,5			2,82	2,82	2,82	**2,82**	2,81	2,60	2,07	**2,46**	70379
7600	58,54	15	**900**	**VR673...**	18,82	18,82	18,47	**17,62**	15,39	12,66	10,26	**13,00**	76146
7600	66,59	14			16,57	16,57	16,42	**15,81**	14,16	11,60	9,34	**11,45**	79134
7700	76,17	12			14,51	14,51	14,37	**14,11**	12,92	10,55	8,57	**10,15**	82418
7700	87,77	10			12,61	12,61	12,61	**12,38**	11,47	9,52	7,68	**8,83**	85965
7800	102,10	8,8			10,86	10,86	10,86	**10,67**	9,98	8,49	6,91	**7,70**	89957
7900	119,86	7,5			9,25	9,25	9,25	**9,08**	8,66	7,48	6,06	**6,64**	94318
8000	134,51	6,7			8,26	8,26	8,26	**8,18**	7,88	6,90	5,63	**6,00**	97668
8300	161,66	5,6			6,88	6,88	6,88	**6,88**	6,69	6,00	4,88	**5,19**	103148
8500	189,61	4,7			5,87	5,87	5,87	**5,87**	5,77	5,34	4,38	**4,54**	108221
8600	213,15	4,2			5,23	5,23	5,23	**5,23**	5,14	4,85	4,00	**4,09**	112050
10200	49,45	18	**900**	**VR773...**	30,24	30,24	30,24	**28,22**	25,20	22,58	19,76	**20,56**	94310
10200	56,82	16			26,36	26,36	26,36	**25,13**	22,49	20,21	17,92	**17,92**	98324
10300	65,59	14			22,87	22,87	22,87	**22,26**	19,82	17,84	16,16	**15,70**	102640
10300	68,02	13			22,03	22,03	22,03	**21,59**	19,39	17,33	15,57	**15,13**	103712
10400	76,29	12			19,67	19,67	19,67	**19,54**	17,44	15,74	14,03	**13,64**	107232
10400	85,99	10			17,48	17,48	17,48	**17,48**	15,85	14,21	12,70	**12,12**	111078
10500	97,55	9,2			15,43	15,43	15,43	**15,43**	14,30	12,76	11,42	**10,80**	115271
10600	111,53	8,1			13,52	13,52	13,52	**13,52**	12,71	11,45	10,27	**9,55**	119939
10800	128,81	7,0			11,73	11,73	11,73	**11,73**	11,34	10,16	9,07	**8,44**	125111
11000	148,95	6,0			10,14	10,14	10,14	**10,14**	10,00	8,99	8,04	**7,43**	130585
11200	166,50	5,4			9,08	9,08	9,08	**9,08**	9,08	8,17	7,33	**6,78**	134939
11500	200,14	4,5			7,56	7,56	7,56	**7,56**	7,56	7,01	6,25	**5,80**	142429
11800	233,77	3,8			6,49	6,49	6,49	**6,49**	6,49	6,14	5,49	**5,10**	149105

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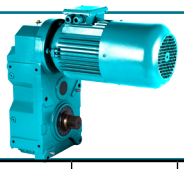

Tabelle prestazionali Serie V
V Series Performance Tables
V Serien Leistung Tabellen

n_1=750

Coppia nominale *Nominal Torques* Nenndrehmoment **fs=1 [Nm]**	**Rapporto** *Ratio* Übersetzung **i**	**Velocità di rotazione in uscita** *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	**Velocità di rotazione in entrata** *Input Speeds* Antriebswelle Drehzahlen **n_1 [r.p.m]**	**Tipo** *Type* Typ	**P_e= Potenza nominale in entrata [kW] (ISO 4301/1 (FEM 9.511/86))** *P_e= Nominal Input Power [kW] (ISO 4301/1 (FEM 9.511/86))* P_e= Antriebsnennleistung [kW] (ISO 4301/1 (FEM 9.511/86)) **Classe dell'apparecchio di sollevamento** / *Crane Class* / Kranklasse*								**Carichi radiali ammessi (uscita)** *Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb)
					M2 (1Cm)	**M3 (1Bm)**	**M4 (1Am)**	**M5 (2m)**	**M6 (3m)**	**M7 (4m)**	**M8 (5m)**	**fs=1**	
730	23,58	32	**750**	**VR373...**	3,25	3,08	3,04	**2,83**	2,76	2,37	1,88	**2,58**	16457
730	27,53	27			2,85	2,66	2,60	**2,45**	2,39	2,15	1,70	**2,21**	19182
740	32,11	23			2,47	2,28	2,26	**2,15**	2,05	1,95	1,53	**1,92**	20091
740	35,49	21			2,23	2,09	2,05	**1,98**	1,86	1,81	1,43	**1,74**	20704
750	41,42	18			1,92	1,84	1,76	**1,74**	1,59	1,57	1,31	**1,51**	21695
760	52,30	14			1,52	1,49	1,40	**1,38**	1,30	1,27	1,09	**1,22**	23257
760	57,79	13			1,38	1,38	1,28	**1,25**	1,19	1,15	1,03	**1,10**	23972
770	67,45	11			1,18	1,18	1,10	**1,09**	1,05	0,99	0,92	**0,96**	25107
770	79,34	9,5			1,01	1,01	0,96	**0,92**	0,91	0,84	0,83	**0,82**	26364
780	94,32	8,0			0,85	0,85	0,82	**0,78**	0,77	0,72	0,70	**0,70**	27740
780	106,69	7,0			0,75	0,75	0,75	**0,70**	0,68	0,64	0,63	**0,62**	28772
780	121,67	6,2			0,66	0,66	0,66	**0,61**	0,61	0,58	0,55	**0,54**	29907
1400	28,45	26	**750**	**VR473...**	5,04	4,69	4,64	**4,58**	4,49	3,67	2,92	**4,08**	27758
1420	34,28	22			4,32	3,93	3,88	**3,81**	3,76	3,27	2,60	**3,44**	28875
1430	41,50	18			3,66	3,33	3,21	**3,17**	3,13	2,89	2,29	**2,87**	30017
1440	47,37	16			3,28	2,98	2,84	**2,79**	2,75	2,66	2,12	**2,54**	31266
1450	54,35	14			2,91	2,65	2,48	**2,45**	2,42	2,37	1,92	**2,23**	32891
1460	61,85	12			2,57	2,37	2,20	**2,15**	2,13	2,10	1,75	**1,98**	33466
1470	70,59	11			2,26	2,12	1,93	**1,90**	1,87	1,84	1,61	**1,75**	35392
1480	81,00	9,3			1,97	1,89	1,71	**1,66**	1,64	1,62	1,47	**1,54**	36940
1500	95,87	7,8			1,67	1,63	1,49	**1,42**	1,39	1,37	1,30	**1,32**	38292
1500	101,48	7,4			1,58	1,56	1,42	**1,34**	1,32	1,30	1,25	**1,25**	39872
1530	121,49	6,2			1,32	1,32	1,22	**1,13**	1,11	1,09	1,08	**1,07**	42614
1540	138,35	5,4			1,17	1,17	1,09	**0,99**	0,98	0,96	0,95	**0,94**	44323
2740	28,30	27	**750**	**VR573...**	13,33	13,33	13,33	**11,28**	8,94	7,12	5,42	**8,03**	43741
2900	33,46	22			11,30	11,30	11,30	**10,11**	8,02	6,38	5,09	**7,20**	46057
3020	37,64	20			10,06	10,06	10,06	**9,35**	7,43	5,92	4,71	**6,68**	47720
3150	42,62	18			8,90	8,90	8,90	**8,80**	6,84	5,46	4,34	**6,16**	49541
3360	51,97	14			7,30	7,30	7,30	**7,30**	6,00	4,78	3,80	**5,39**	52586
3560	58,36	13			6,51	6,51	6,51	**6,47**	5,67	4,52	3,61	**5,10**	54489
3690	69,00	11			5,52	5,52	5,52	**5,51**	5,08	4,05	3,23	**4,48**	57304
3710	77,63	9,7			4,91	4,91	4,91	**4,91**	4,71	3,76	2,99	**4,01**	59377
3730	87,90	8,5			4,35	4,35	4,35	**4,35**	4,30	3,47	2,75	**3,56**	61639
3820	107,18	7,0			3,57	3,57	3,57	**3,57**	3,55	3,04	2,41	**3,00**	65426
3920	126,81	5,9			3,02	3,02	3,02	**3,02**	3,01	2,72	2,17	**2,60**	68835
4000	143,35	5,2			2,68	2,68	2,68	**2,68**	2,67	2,51	2,00	**2,36**	71427
4080	163,77	4,6			2,35	2,35	2,35	**2,35**	2,35	2,30	1,83	**2,11**	74350
7700	58,54	13	**750**	**VR673...**	15,70	15,70	15,56	**14,99**	13,56	11,13	8,99	**10,99**	80414
7700	66,59	11			13,83	13,83	13,83	**13,45**	12,32	10,18	8,30	**9,68**	83612
7800	76,17	9,8			12,10	12,10	12,10	**11,88**	11,00	9,24	7,48	**8,58**	87025
7800	87,77	8,5			10,52	10,52	10,52	**10,33**	9,76	8,42	6,79	**7,46**	90814
7900	102,10	7,3			9,06	9,06	9,06	**8,90**	8,57	7,50	6,10	**6,51**	95022
8100	119,86	6,3			7,72	7,72	7,72	**7,65**	7,44	6,60	5,33	**5,68**	99623
8300	134,51	5,6			6,89	6,89	6,89	**6,89**	6,70	6,07	4,95	**5,20**	103152
8500	161,66	4,6			5,74	5,74	5,74	**5,74**	5,63	5,27	4,33	**4,43**	108981
8700	189,61	4,0			4,90	4,90	4,90	**4,90**	4,81	4,59	3,83	**3,88**	114280
8900	213,15	3,5			4,37	4,37	4,37	**4,37**	4,29	4,17	3,53	**3,53**	118367
10300	49,45	15	**750**	**VR773...**	25,24	25,24	25,24	**24,23**	21,71	19,35	17,50	**17,33**	99640
10300	56,82	13			22,00	22,00	22,00	**21,56**	19,21	17,31	15,55	**15,11**	103784
10400	65,59	11			19,09	19,09	19,09	**19,09**	17,05	15,27	13,74	**13,23**	108246
10400	68,02	11			18,39	18,39	18,39	**18,39**	16,55	14,83	13,36	**12,75**	109422
10500	76,29	9,8			16,42	16,42	16,42	**16,42**	14,99	13,46	12,04	**11,49**	113136
10500	85,99	8,7			14,58	14,58	14,58	**14,58**	13,61	12,15	10,89	**10,21**	117193
10600	97,55	7,7			12,88	12,88	12,88	**12,88**	12,19	10,99	9,87	**9,10**	121660
10800	111,53	6,7			11,28	11,28	11,28	**11,28**	10,90	9,78	8,80	**8,12**	126538
11100	128,81	5,8			9,79	9,79	9,79	**9,79**	9,72	8,68	7,76	**7,24**	131994
11300	148,95	5,0			8,46	8,46	8,46	**8,46**	8,46	7,67	6,88	**6,37**	137769
11500	166,50	4,5			7,58	7,58	7,58	**7,58**	7,58	7,02	6,26	**5,81**	142361
11900	200,14	3,7			6,31	6,31	6,31	**6,31**	6,31	6,01	5,38	**5,00**	150308
12100	233,77	3,2			5,41	5,41	5,41	**5,41**	5,41	5,27	4,73	**4,36**	157350

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*
*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.

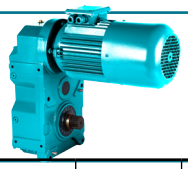

Tabelle prestazionali Serie V
V Series Performance Tables
V Serien Leistung Tabellen

n_1=450

Coppia nominale *Nominal Torques* Nenndrehmo-ment **fs=1 [Nm]**	**Rapporto** *Ratio* Übersetzung **i**	**Velocità di rotazione in uscita** *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	**Velocità di rotazione in entrata** *Input Speeds* Antriebswelle Drehzahlen **n_1 [r.p.m]**	**Tipo** *Type* Typ	**P_e= Potenza nominale in entrata [kW] (ISO 4301/1 (FEM 9.511/86))** *P_e= Nominal Input Power [kW] (ISO 4301/1 (FEM 9.511/86))* P_e= Antriebsnennleistung [kW] (ISO 4301/1 (FEM 9.511/86)) **Classe dell'apparecchio di sollevamento** / *Crane Class* / Kranklasse*								**Carichi radiali ammessi (uscita)** *Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb)
					M2 (1Cm)	**M3 (1Bm)**	**M4 (1Am)**	**M5 (2m)**	**M6 (3m)**	**M7 (4m)**	**M8 (5m)**	**fs=1**	
750	23,58	19	**450**	**VR373...**	2,02	1,91	1,85	**1,83**	1,68	1,66	1,34	**1,59**	19149
750	27,53	16			1,73	1,68	1,59	**1,57**	1,46	1,42	1,22	**1,37**	22373
760	32,11	14			1,48	1,47	1,38	**1,34**	1,27	1,23	1,09	**1,19**	23429
760	35,49	13			1,35	1,35	1,25	**1,22**	1,16	1,12	1,03	**1,08**	24148
770	41,42	11			1,15	1,15	1,07	**1,06**	1,02	0,96	0,94	**0,94**	25298
780	52,30	8,6			0,92	0,92	0,88	**0,84**	0,83	0,76	0,75	**0,75**	27102
780	57,79	7,8			0,83	0,83	0,80	**0,76**	0,75	0,70	0,68	**0,68**	27910
780	67,45	6,7			0,71	0,71	0,71	**0,66**	0,65	0,62	0,59	**0,59**	29216
780	79,34	5,7			0,61	0,61	0,61	**0,56**	0,56	0,54	0,51	**0,50**	30646
790	94,32	4,8			0,51	0,51	0,51	**0,49**	0,47	0,46	0,43	**0,43**	32249
790	106,69	4,2			0,45	0,45	0,45	**0,43**	0,42	0,41	0,38	**0,38**	33450
790	121,67	3,7			0,40	0,40	0,40	**0,39**	0,37	0,36	0,34	**0,33**	34780
1440	28,45	16	**450**	**VR473...**	3,27	2,97	2,83	**2,78**	2,74	2,62	2,09	**2,53**	26681
1460	34,28	13			2,78	2,53	2,35	**2,32**	2,29	2,26	1,86	**2,13**	28181
1470	41,50	11			2,30	2,15	1,96	**1,94**	1,90	1,87	1,63	**1,78**	29826
1480	47,37	9,5			2,02	1,92	1,75	**1,70**	1,68	1,66	1,51	**1,57**	30990
1490	54,35	8,3			1,76	1,71	1,56	**1,49**	1,46	1,45	1,38	**1,38**	32263
1500	61,85	7,3			1,55	1,53	1,39	**1,31**	1,30	1,27	1,24	**1,22**	33605
1530	70,59	6,4			1,36	1,36	1,25	**1,15**	1,14	1,12	1,11	**1,10**	35034
1540	81,00	5,6			1,19	1,19	1,11	**1,01**	1,00	0,98	0,97	**0,96**	36661
1540	95,87	4,7			1,00	1,00	0,96	**0,87**	0,85	0,84	0,82	**0,81**	38730
1540	101,48	4,4			0,95	0,95	0,92	**0,83**	0,80	0,79	0,78	**0,77**	39458
1550	121,49	3,7			0,80	0,80	0,79	**0,72**	0,67	0,67	0,65	**0,65**	41847
1550	138,35	3,3			0,70	0,70	0,70	**0,64**	0,59	0,59	0,58	**0,57**	43627
3250	28,30	16	**450**	**VR573...**	8,03	8,03	8,03	**8,01**	6,37	5,08	4,04	**5,74**	51068
3430	33,46	13			6,81	6,81	6,81	**6,81**	5,71	4,56	3,62	**5,13**	53708
3570	37,64	12			6,06	6,06	6,06	**6,06**	5,29	4,22	3,35	**4,75**	55650
3650	42,62	11			5,36	5,36	5,36	**5,36**	4,87	3,89	3,10	**4,30**	57775
3690	51,97	8,7			4,40	4,40	4,40	**4,40**	4,27	3,41	2,72	**3,57**	61328
3770	58,36	7,7			3,92	3,92	3,92	**3,92**	3,89	3,22	2,57	**3,25**	63544
3860	69,00	6,5			3,32	3,32	3,32	**3,32**	3,30	2,89	2,30	**2,82**	66829
3940	77,63	5,8			2,96	2,96	2,96	**2,96**	2,94	2,68	2,13	**2,56**	69246
4010	87,90	5,1			2,62	2,62	2,62	**2,62**	2,61	2,47	1,97	**2,30**	71889
4140	107,18	4,2			2,15	2,15	2,15	**2,15**	2,15	2,12	1,72	**1,95**	76308
4250	126,81	3,5			1,82	1,82	1,82	**1,82**	1,82	1,81	1,54	**1,70**	80275
4280	143,35	3,1			1,61	1,61	1,61	**1,61**	1,61	1,60	1,42	**1,52**	83294
4290	163,77	2,7			1,41	1,41	1,41	**1,41**	1,41	1,41	1,31	**1,33**	86710
7900	58,54	7,7	**450**	**VR673...**	9,46	9,46	9,46	**9,29**	8,86	7,82	6,36	**6,79**	93772
8000	66,59	6,8			8,33	8,33	8,33	**8,25**	7,95	7,11	5,83	**6,06**	97476
8200	76,17	5,9			7,29	7,29	7,29	**7,22**	7,09	6,49	5,30	**5,43**	101486
8400	87,77	5,1			6,34	6,34	6,34	**6,34**	6,22	5,76	4,78	**4,84**	105878
8600	102,10	4,4			5,46	5,46	5,46	**5,46**	5,36	5,06	4,27	**4,27**	110759
8800	119,86	3,8			4,64	4,64	4,64	**4,64**	4,56	4,39	3,76	**3,72**	116154
8900	134,51	3,3			4,14	4,14	4,14	**4,14**	4,11	3,96	3,47	**3,35**	120244
9200	161,66	2,8			3,45	3,45	3,45	**3,45**	3,45	3,39	3,01	**2,89**	127005
9400	189,61	2,4			2,95	2,95	2,95	**2,95**	2,95	2,89	2,71	**2,52**	133254
9600	213,15	2,1			2,63	2,63	2,63	**2,63**	2,63	2,58	2,43	**2,29**	137896
10500	49,45	9,1	**450**	**VR773...**	15,21	15,21	15,21	**15,21**	14,09	12,67	11,35	**10,64**	115764
10600	56,82	7,9			13,25	13,25	13,25	**13,25**	12,55	11,22	10,07	**9,36**	120578
10800	65,59	6,9			11,50	11,50	11,50	**11,50**	11,11	9,96	8,97	**8,28**	125805
10900	68,02	6,6			11,08	11,08	11,08	**11,08**	10,78	9,67	8,64	**8,05**	127124
11100	76,29	5,9			9,89	9,89	9,89	**9,89**	9,82	8,77	7,84	**7,32**	131487
11300	85,99	5,2			8,78	8,78	8,78	**8,78**	8,78	7,96	7,08	**6,62**	136198
11500	97,55	4,6			7,75	7,75	7,75	**7,75**	7,75	7,13	6,41	**5,94**	141381
11700	111,53	4,0			6,79	6,79	6,79	**6,79**	6,79	6,38	5,70	**5,30**	147049
12000	128,81	3,5			5,89	5,89	5,89	**5,89**	5,89	5,65	5,06	**4,71**	153436
12300	148,95	3,0			5,09	5,09	5,09	**5,09**	5,09	5,02	4,48	**4,17**	160141
12500	166,50	2,7			4,56	4,56	4,56	**4,56**	4,56	4,56	4,10	**3,80**	165523
12800	200,14	2,2			3,79	3,79	3,79	**3,79**	3,79	3,79	3,52	**3,24**	170000
13200	233,77	1,9			3,25	3,25	3,25	**3,25**	3,25	3,25	3,08	**2,86**	170000

***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**
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*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.

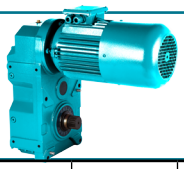


Tabelle prestazionali Serie V
V Series Performance Tables
V Serien Leistung Tabellen

n_1=300

Coppia nominale *Nominal Torques* Nenndrehmo-ment **fs=1 [Nm]**	**Rapporto** *Ratio* Übersetzung **i**	**Velocità di rotazione in uscita** *Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	**Velocità di rotazione in entrata** *Input Speeds* Antriebswelle Drehzahlen **n_1 [r.p.m]**	**Tipo** *Type* Typ	**P_e= Potenza nominale in entrata [kW] (ISO 4301/1 (FEM 9.511/86))** *P_e= Nominal Input Power [kW] (ISO 4301/1 (FEM 9.511/86))* P_e= Antriebsnennleistung [kW] (ISO 4301/1 (FEM 9.511/86)) **Classe dell'apparecchio di sollevamento** / *Crane Class* / Kranklasse*								**Carichi radiali ammessi (uscita)** *Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb)
					M2 (1Cm)	**M3 (1Bm)**	**M4 (1Am)**	**M5 (2m)**	**M6 (3m)**	**M7 (4m)**	**M8 (5m)**	**fs=1**	
760	23,58	13	**300**	**VR373...**	1,35	1,35	1,25	**1,22**	1,17	1,12	1,04	**1,08**	21565
770	27,53	11			1,16	1,16	1,07	**1,06**	1,02	0,96	0,93	**0,94**	25271
770	32,11	9,3			0,99	0,99	0,94	**0,91**	0,90	0,83	0,81	**0,80**	26453
780	35,49	8,5			0,90	0,90	0,86	**0,82**	0,81	0,76	0,74	**0,74**	27241
780	41,42	7,2			0,77	0,77	0,75	**0,71**	0,70	0,66	0,64	**0,63**	28515
780	52,30	5,7			0,61	0,61	0,61	**0,57**	0,56	0,54	0,51	**0,50**	30543
780	57,79	5,2			0,55	0,55	0,55	**0,52**	0,51	0,50	0,46	**0,46**	31455
790	67,45	4,4			0,48	0,48	0,48	**0,46**	0,44	0,43	0,40	**0,40**	32921
790	79,34	3,8			0,41	0,41	0,41	**0,40**	0,37	0,37	0,34	**0,34**	34543
790	94,32	3,2			0,34	0,34	0,34	**0,34**	0,32	0,31	0,30	**0,28**	36368
790	106,69	2,8			0,30	0,30	0,30	**0,30**	0,28	0,28	0,27	**0,25**	37731
800	121,67	2,5			0,27	0,27	0,27	**0,27**	0,25	0,24	0,24	**0,22**	39230
1470	28,45	11	**300**	**VR473...**	2,23	2,10	1,90	**1,88**	1,84	1,82	1,60	**1,73**	30084
1490	34,28	8,8			1,86	1,79	1,63	**1,56**	1,54	1,52	1,42	**1,46**	31779
1500	41,50	7,2			1,54	1,52	1,38	**1,30**	1,29	1,26	1,24	**1,21**	33638
1530	47,37	6,3			1,35	1,35	1,23	**1,15**	1,13	1,11	1,10	**1,09**	35120
1540	54,35	5,5			1,18	1,18	1,10	**1,00**	0,99	0,97	0,96	**0,95**	36752
1540	61,85	4,9			1,04	1,04	0,99	**0,89**	0,87	0,86	0,85	**0,84**	38325
1540	70,59	4,2			0,91	0,91	0,88	**0,80**	0,77	0,76	0,75	**0,74**	40022
1550	81,00	3,7			0,79	0,79	0,79	**0,71**	0,67	0,66	0,65	**0,65**	41860
1550	95,87	3,1			0,67	0,67	0,67	**0,62**	0,57	0,56	0,55	**0,55**	44199
1560	101,48	3,0			0,63	0,63	0,63	**0,59**	0,54	0,53	0,52	**0,52**	45022
1560	121,49	2,5			0,53	0,53	0,53	**0,50**	0,46	0,45	0,44	**0,44**	47696
1570	138,35	2,2			0,47	0,47	0,47	**0,45**	0,41	0,40	0,39	**0,39**	49735
3650	28,30	11	**300**	**VR573...**	5,37	5,37	5,37	**5,37**	4,87	3,88	3,09	**4,31**	57698
3680	33,46	9,0			4,55	4,55	4,55	**4,55**	4,36	3,48	2,77	**3,68**	60680
3710	37,64	8,0			4,05	4,05	4,05	**4,05**	4,04	3,22	2,56	**3,30**	62872
3780	42,62	7,0			3,58	3,58	3,58	**3,58**	3,58	2,97	2,36	**2,97**	65270
3890	51,97	5,8			2,94	2,94	2,94	**2,94**	2,95	2,61	2,07	**2,51**	69286
4010	58,36	5,1			2,62	2,62	2,62	**2,62**	2,61	2,46	1,96	**2,31**	71793
4120	69,00	4,3			2,22	2,22	2,22	**2,22**	2,22	2,20	1,76	**2,01**	75502
4200	77,63	3,9			1,98	1,98	1,98	**1,98**	1,98	1,96	1,63	**1,82**	78234
4270	87,90	3,4			1,75	1,75	1,75	**1,75**	1,75	1,74	1,50	**1,64**	81220
4290	107,18	2,8			1,43	1,43	1,43	**1,43**	1,43	1,43	1,32	**1,35**	86216
4330	126,81	2,4			1,21	1,21	1,21	**1,21**	1,21	1,21	1,18	**1,16**	90697
4390	143,35	2,1			1,08	1,08	1,08	**1,08**	1,08	1,08	1,06	**1,04**	94049
4470	163,77	1,8			0,94	0,94	0,94	**0,94**	0,94	0,94	0,94	**0,93**	97792
8400	58,54	5,1	**300**	**VR673...**	6,32	6,32	6,32	**6,32**	6,21	4,31	4,77	**4,83**	105884
8500	66,59	4,5			5,56	5,56	5,56	**5,56**	5,46	5,11	4,40	**4,30**	110097
8700	76,17	3,9			4,87	4,87	4,87	**4,87**	4,78	4,56	3,98	**3,85**	114606
8900	87,77	3,4			4,23	4,23	4,23	**4,23**	4,19	4,04	3,62	**3,42**	119596
9100	102,10	2,9			3,64	3,64	3,64	**3,64**	3,61	3,55	3,21	**3,02**	125089
9400	119,86	2,5			3,10	3,10	3,10	**3,10**	3,10	3,05	2,82	**2,65**	131162
9500	134,51	2,2			2,77	2,77	2,77	**2,77**	2,77	2,72	2,57	**2,39**	135713
9800	161,66	1,9			2,30	2,30	2,30	**2,30**	2,30	2,26	2,18	**2,05**	143225
10000	189,61	1,6			1,97	1,97	1,97	**1,97**	1,97	1,95	1,90	**1,79**	150102
10200	213,15	1,4			1,75	1,75	1,75	**1,75**	1,75	1,75	1,72	**1,62**	155384
11000	49,45	6,1	**300**	**VR773...**	10,17	10,17	10,17	**10,17**	10,03	8,95	8,07	**7,46**	130424
11200	56,82	5,3			8,86	8,86	8,86	**8,86**	8,86	7,97	7,15	**6,62**	135847
11500	65,59	4,6			7,68	7,68	7,68	**7,68**	7,68	7,07	6,35	**5,89**	141731
11600	68,02	4,4			7,40	7,40	7,40	**7,40**	7,40	6,86	6,17	**5,73**	143264
11800	76,29	3,9			6,61	6,61	6,61	**6,61**	6,61	6,26	5,59	**5,20**	148178
12000	85,99	3,5			5,87	5,87	5,87	**5,87**	5,87	5,63	5,05	**4,69**	153485
12200	97,55	3,1			5,18	5,18	5,18	**5,18**	5,18	5,08	4,56	**4,21**	159319
12500	111,53	2,7			4,54	4,54	4,54	**4,54**	4,54	4,54	4,08	**3,78**	165751
12800	128,81	2,3			3,93	3,93	3,93	**3,93**	3,93	3,93	3,62	**3,36**	170000
13100	148,95	2,0			3,40	3,40	3,40	**3,40**	3,40	3,40	3,19	**2,97**	170000
13300	166,50	1,8			3,04	3,04	3,04	**3,04**	3,04	3,04	2,92	**2,70**	170000
13700	200,14	1,5			2,53	2,53	2,53	**2,53**	2,53	2,53	2,50	**2,31**	170000
14000	233,77	1,3			2,17	2,17	2,17	**2,17**	2,17	2,17	2,17	**2,03**	170000

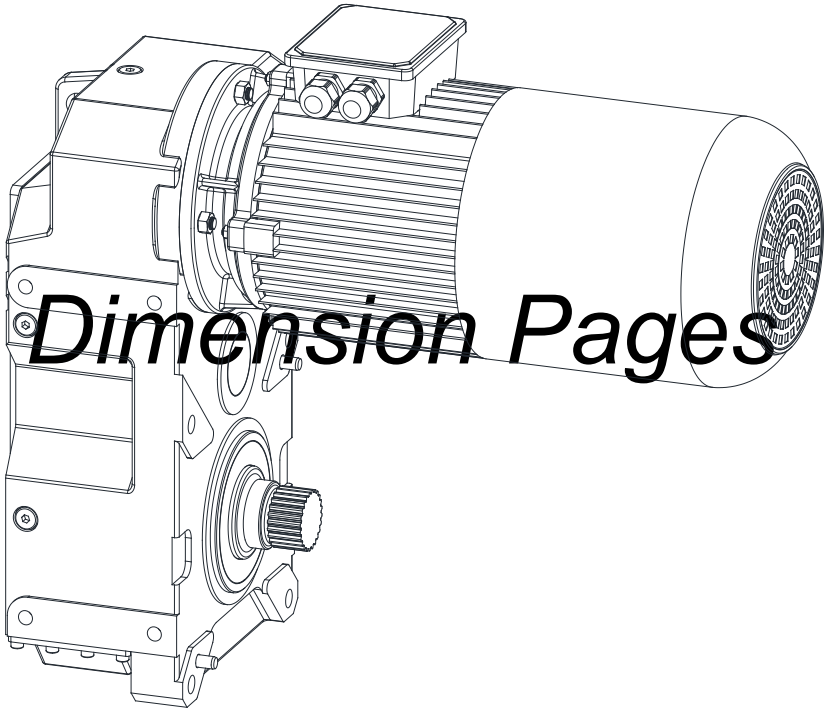
***La classificazione degli apparecchi di sollevamento indicata è relativa solo ai riduttori; per gli altri componenti deve essere calcolata.**

**Crane Classes given only for gearboxes and must be calculated for other crane equipments.*

*Die in den Leistungs- und Drehzahltabellen angegebenen Kranklassen gelten nicht für die anderen Krankomponenten sondern nur für Getriebe.

Note / *Notes* / Notizen

Tabelle dimensionali



Dimension Pages

Abmessungsseiten

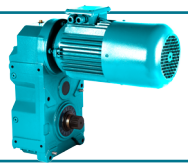


Tabelle dimensionali
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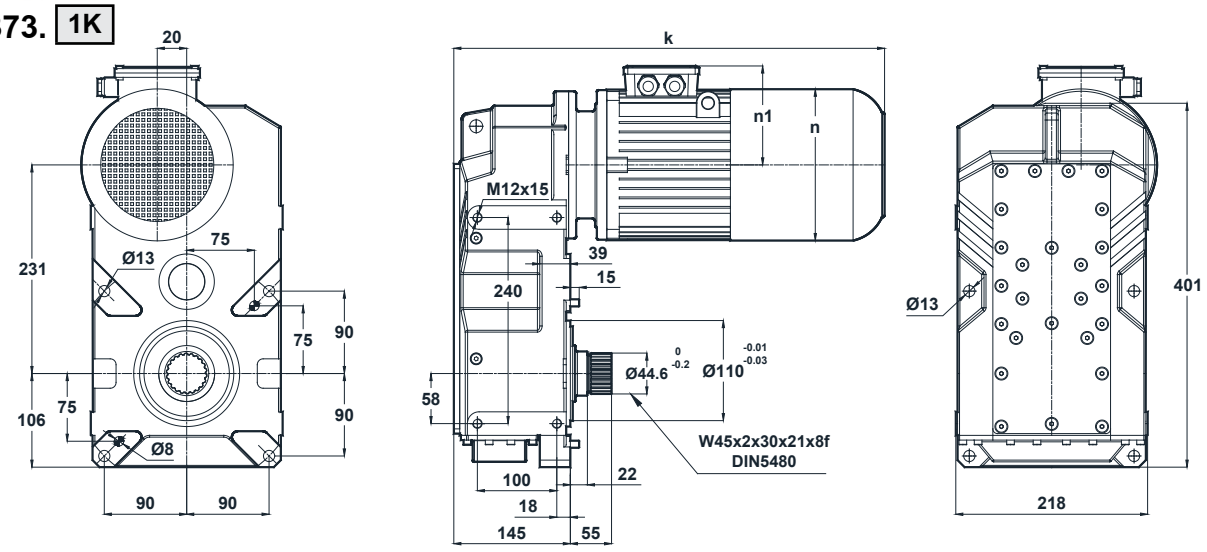
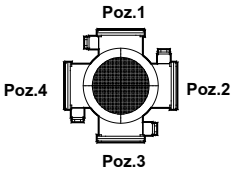
Abmessungsseiten

VR373. 1K



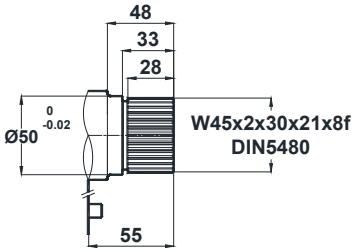
Grandezza motore / *Motor Size* / Motorbaugroße							
	71	80	90S	90L	100L	112M	132S
k	477	506	538	563	614	637	698
n	138	156	176	176	194	218	257
n1	111	118	126	126	135	146	168



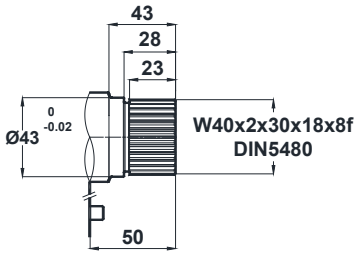
71-80-90-100-112-132
Tipo / *Type* / Typ

Opzioni albero (DIN 5480) / *Shaft Options (DIN 5480)* / Auswählbare Wellen (DIN 5480)

1K **Standard** / *Standard* / Standard

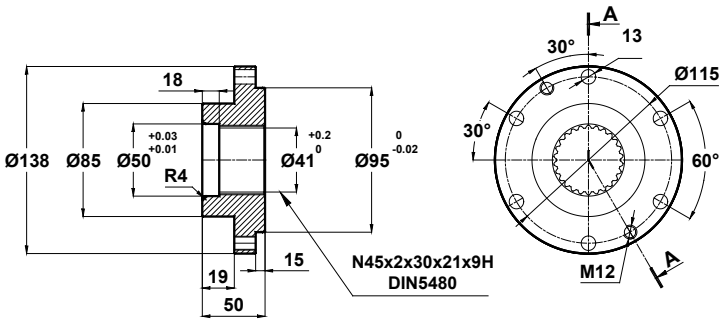


1L **Opzionale** / *Optional* / Ausurählbar

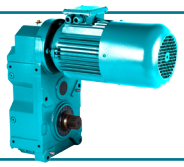


Accessori supplementari / *Additional Accessories* / Zusätzliche Zubehör

Codice / *Code* / Bezeichnung : GN25.V37.**FK**



Questa flangia può essere ordinata solo per i tipi di albero in uscita 1K.
This flange can be ordered only for 1K output shaft types.
Dieses Flansch kann nur entsprechend 1K Ausgangswelle erhalten werden.



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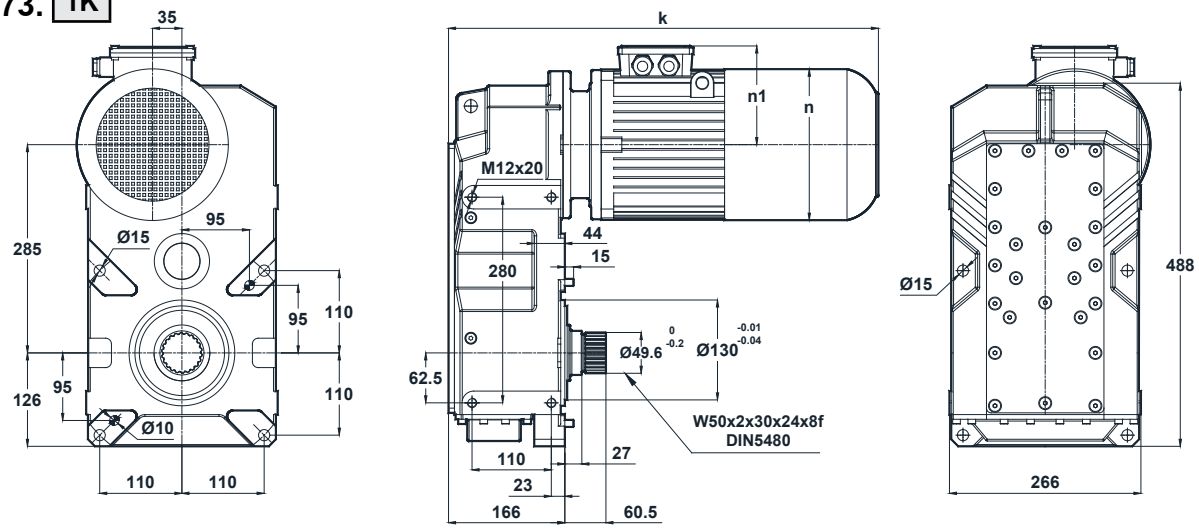
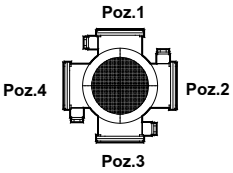
VR473. 1K



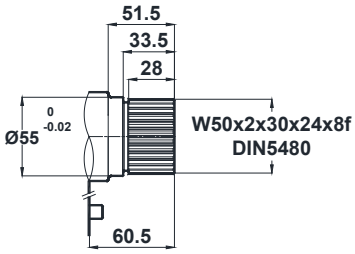
Grandezza motore / *Motor Size* / Motorbaugroße							
	90S	90L	100L	112M	132S	132M	160M
k	551	576	626	649	713	751	851
n	176	176	194	218	258	258	310
n1	126	126	135	146	168	168	225



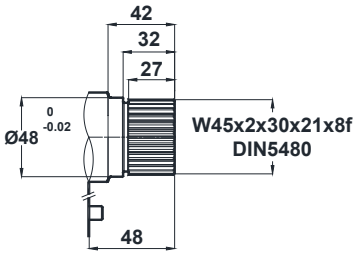
71-80-90-100-112-132
Tipo / *Type* / Typ

Opzioni albero (DIN 5480) / *Shaft Options (DIN 5480)* / Auswählbare Wellen (DIN 5480)

1K **Standard** / *Standard* / Standard

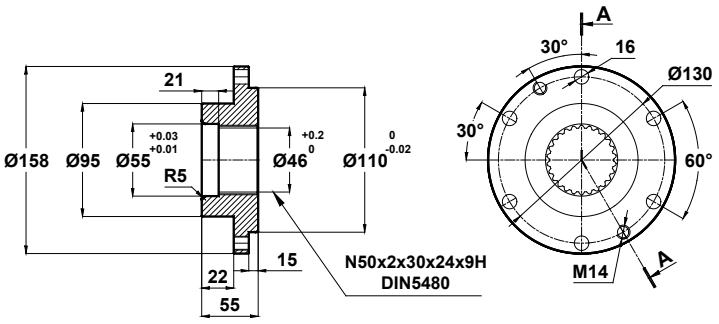


1L **Opzionale** / *Optional* / Ausurählbar



Accessori supplementari / *Additional Accessories* / Zusätzliche Zubehör

Codice / *Code* / Bezeichnung : GN25.V47.**FK**



Questa flangia può essere ordinata solo per i tipi di albero in uscita 1K.
This flange can be ordered only for 1K output shaft types.
Dieses Flansch kann nur entsprechend 1K Ausgangswelle erhalten werden.

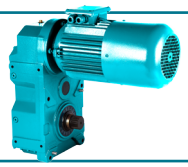


Tabelle dimensionali
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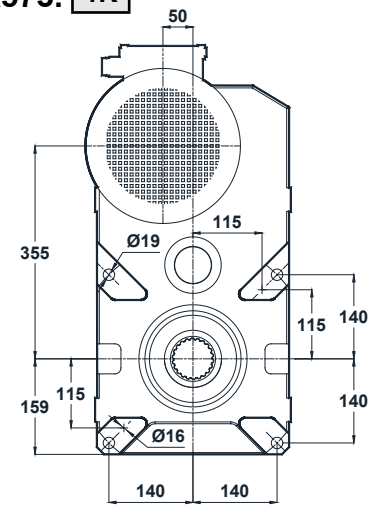
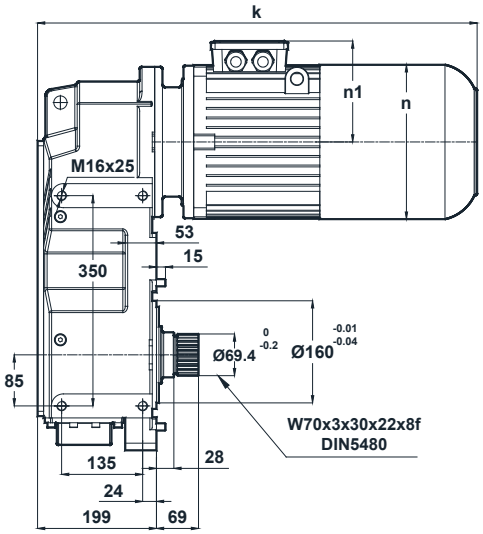
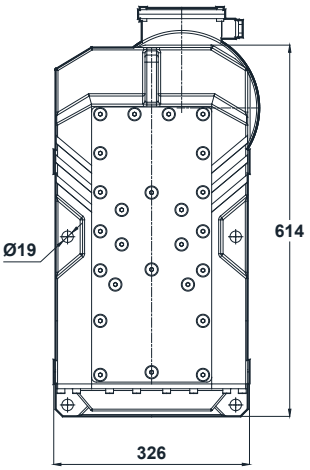
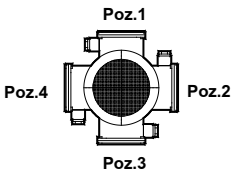
VR573. 1K







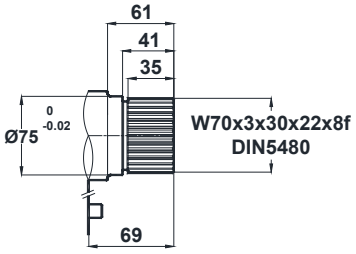
Grandezza motore / *Motor Size* / Motorbaugroße									
	90L	100L	112M	132S	132M	160M	160L	180M	180L
k	603	651	677	736	774	874	918	935	973
n	176	194	218	258	258	310	310	348	348
n1	126	135	146	168	168	225	225	241	241



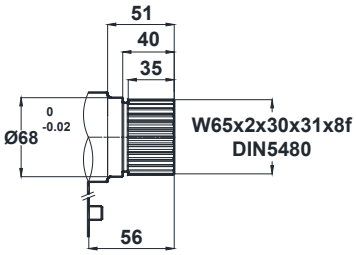
71-80-90-100-112-132
Tipo / *Type* / Typ

Opzioni albero (DIN 5480) / *Shaft Options (DIN 5480)* / Auswählbare Wellen (DIN 5480)

1K **Standard** / *Standard* / Standard

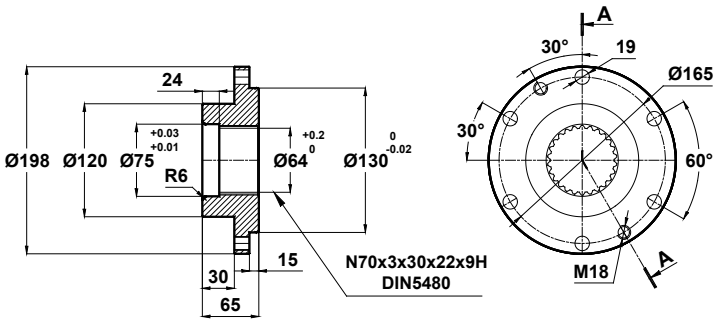


1L **Opzionale** / *Optional* / Ausurählbar

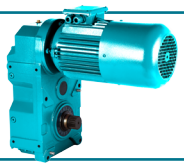


Accessori supplementari / *Additional Accessories* / Zusätzliche Zubehör

Codice / *Code* / Bezeichnung : GN25.V57.**FK**



Questa flangia può essere ordinata solo per i tipi di albero in uscita 1K.
This flange can be ordered only for 1K output shaft types.
Dieses Flansch kann nur entsprechend 1K Ausgangswelle erhalten werden.



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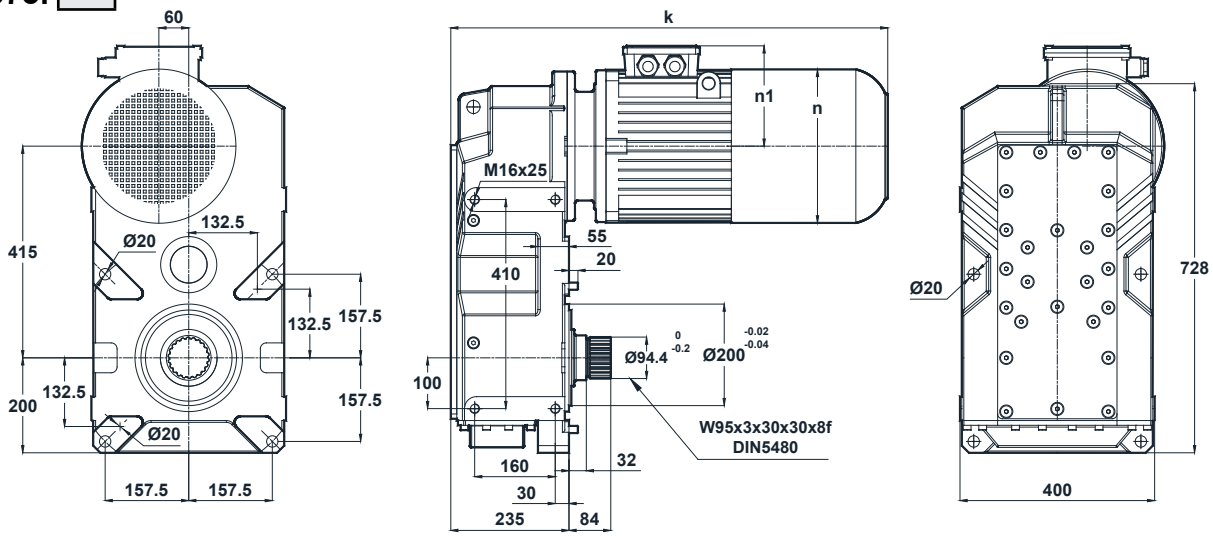
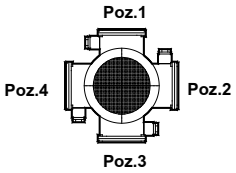
VR673. 1K



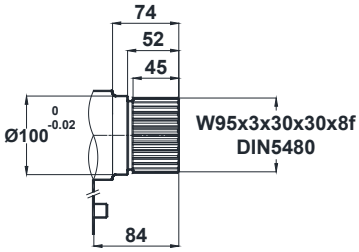
Grandezza motore / *Motor Size* / Motorbaugroße									
	100L	112M	132S	132M	160M	160L	180M	180L	200L
k	681	704	768	806	906	950	966	1004	1073
n	194	218	258	258	310	310	348	348	390
n1	135	146	168	168	225	225	241	241	275



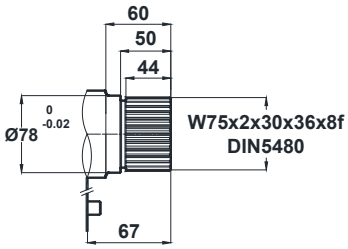
71-80-90-100-112-132
Tipo / *Type* / Typ

Opzioni albero (DIN 5480) / *Shaft Options (DIN 5480)* / Auswählbare Wellen (DIN 5480)

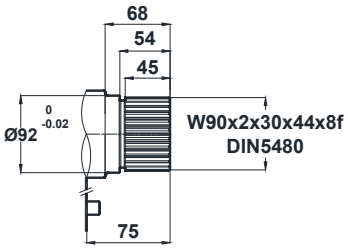
1K **Standard** / *Standard* / Standard



1L **Opzionale** / *Optional* / Ausurählbar

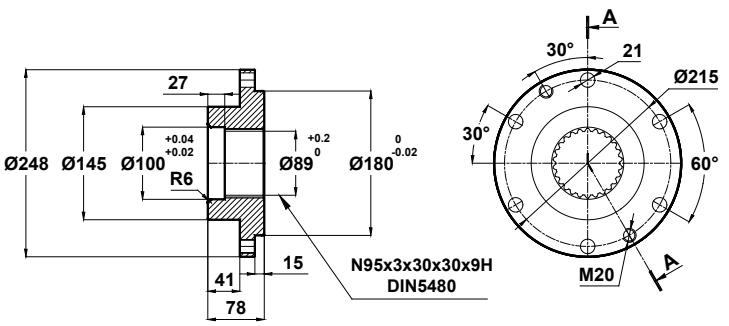


1M **Opzionale** / *Optional* / Ausurählbar



Accessori supplementari / *Additional Accessories* / Zusätzliche Zubehör

Codice / *Code* / Bezeichnung : GN25.V67.**FK**



Questa flangia può essere ordinata solo per i tipi di albero in uscita 1K.
This flange can be ordered only for 1K output shaft types.
Dieses Flansch kann nur entsprechend 1K Ausgangswelle erhalten werden.

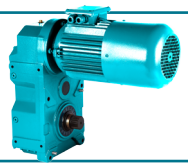


Tabelle dimensionali
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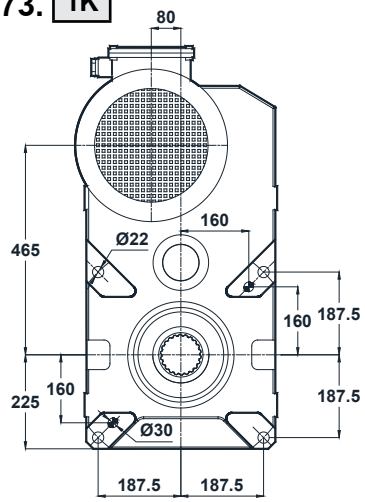
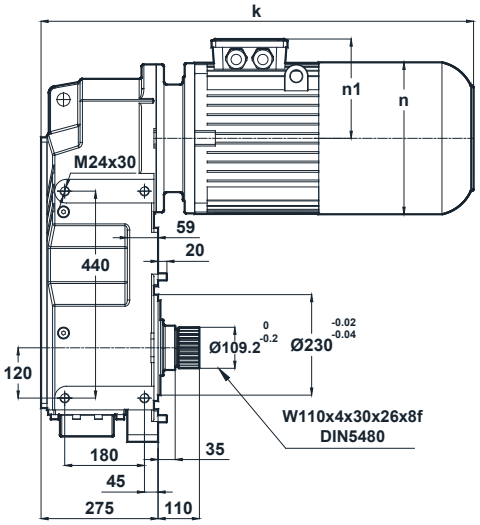
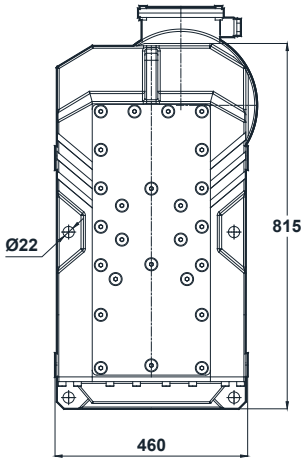
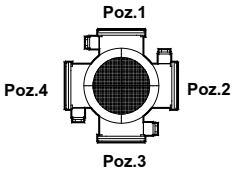
VR773. 1K







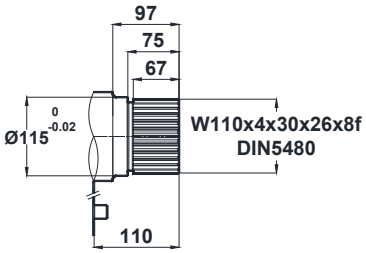
Grandezza motore / *Motor Size* / Motorbaugroße									
	132S	132M	160M	160L	180M	180L	200L	225S	225M
k	800	838	937	981	995	1033	1105	1121	1146
n	258	258	310	310	348	348	390	434	434
n1	168	168	225	225	241	241	275	285	285



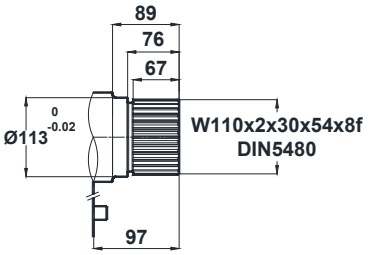
71-80-90-100-112-132
Tipo / *Type* / Typ

Opzioni albero (DIN 5480) / *Shaft Options (DIN 5480)* / Auswählbare Wellen (DIN 5480)

1K **Standard** / *Standard* / Standard

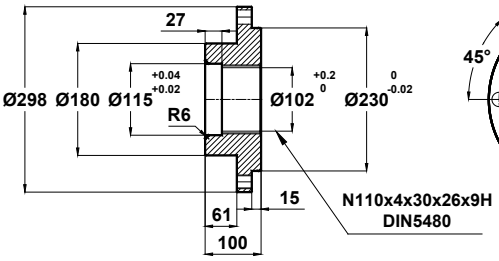


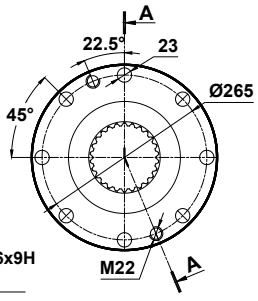
1L **Opzionale** / *Optional* / Ausurählbar



Accessori supplementari / *Additional Accessories* / Zusätzliche Zubehör

Codice / *Code* / Bezeichnung : GN25.V77.**FK**





Questa flangia può essere ordinata solo per i tipi di albero in uscita 1K.
This flange can be ordered only for 1K output shaft types.
Dieses Flansch kann nur entsprechend 1K Ausgangswelle erhalten werden.

Note / *Notes* / Note

Note / *Notes* / Note

CTF081017 / 15

V SERIES

Parallel Shaft Helical Gearboxes for Hoisting

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42124 Reggio Emilia, Via Luciano Brevini, 1
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