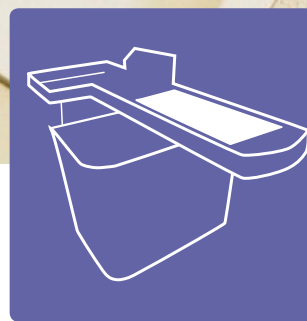




SIREM

Innovation driver



Designed
and made in
FRANCE



Checkout motorized drums catalog

Motorized drums for Checkout by SIREM

The supermarket checkouts are carefully designed so as to enhance the comfort of the cashiers as well as the fluidity of the operations. Ergonomically designed, these checkouts have to optimize the occupied area.

This constraint requires the motorization to be integrated within the drums which are carrying the in and out belts.

Designed for an intensive use, the SIREM drum-motors are specifically made to limit the heat spreading to the conveyor belt which could damage the consistency of the conveyed goods.

Furthermore, the low sound level of the SIREM drum-motors when operated helps to improve the working environment of the operators.

To drive the supermarket checkout belts, SIREM offers a comprehensive range of drum-motors.

Choose your motorized drum

	Speed (m/s)	Torque (N.m)
Drum Ø72 mm	0.05 to 0.14	12.4 to 17.7
Drum Ø80 mm	0.11 to 0.19	16.5 to 27.5

Installation and using recommendations

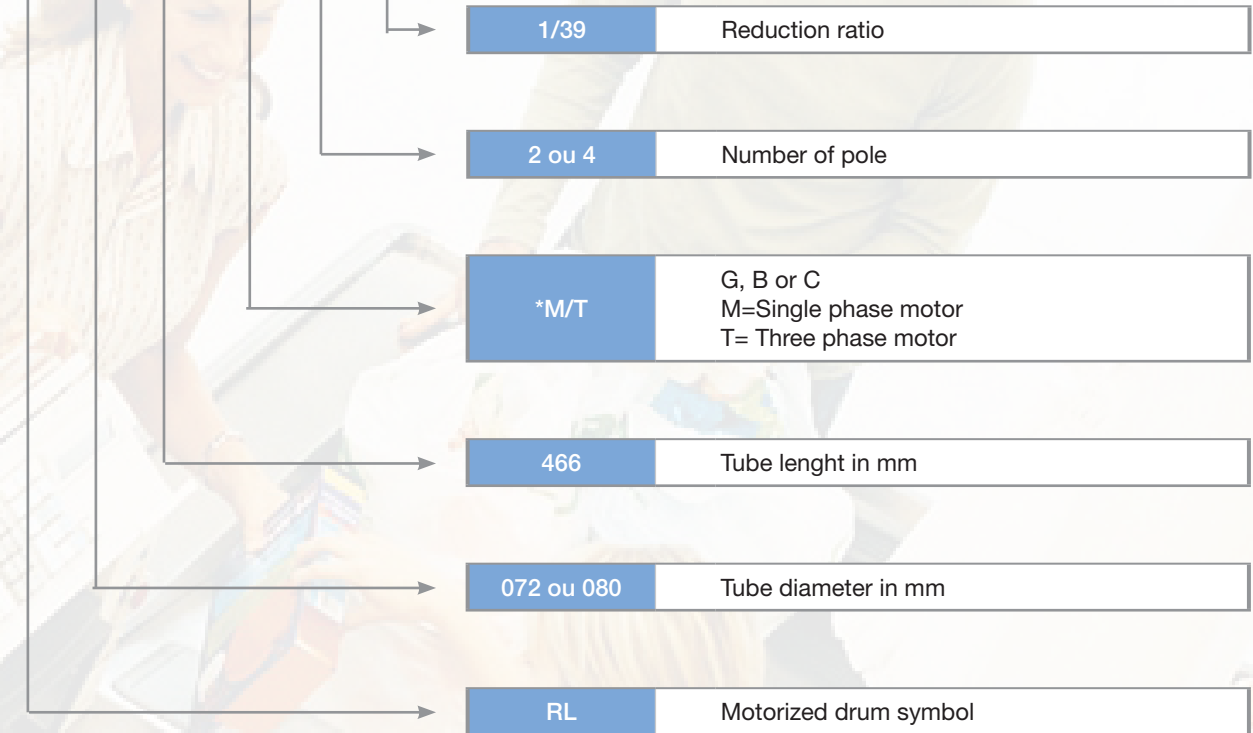
To adjust the tension of the conveyor belt :

Switch on the conveyor with the maximum load on the belt. Tight the belt until the load moves. Finish the adjustment by the tightening of screws while keeping the belt centered.

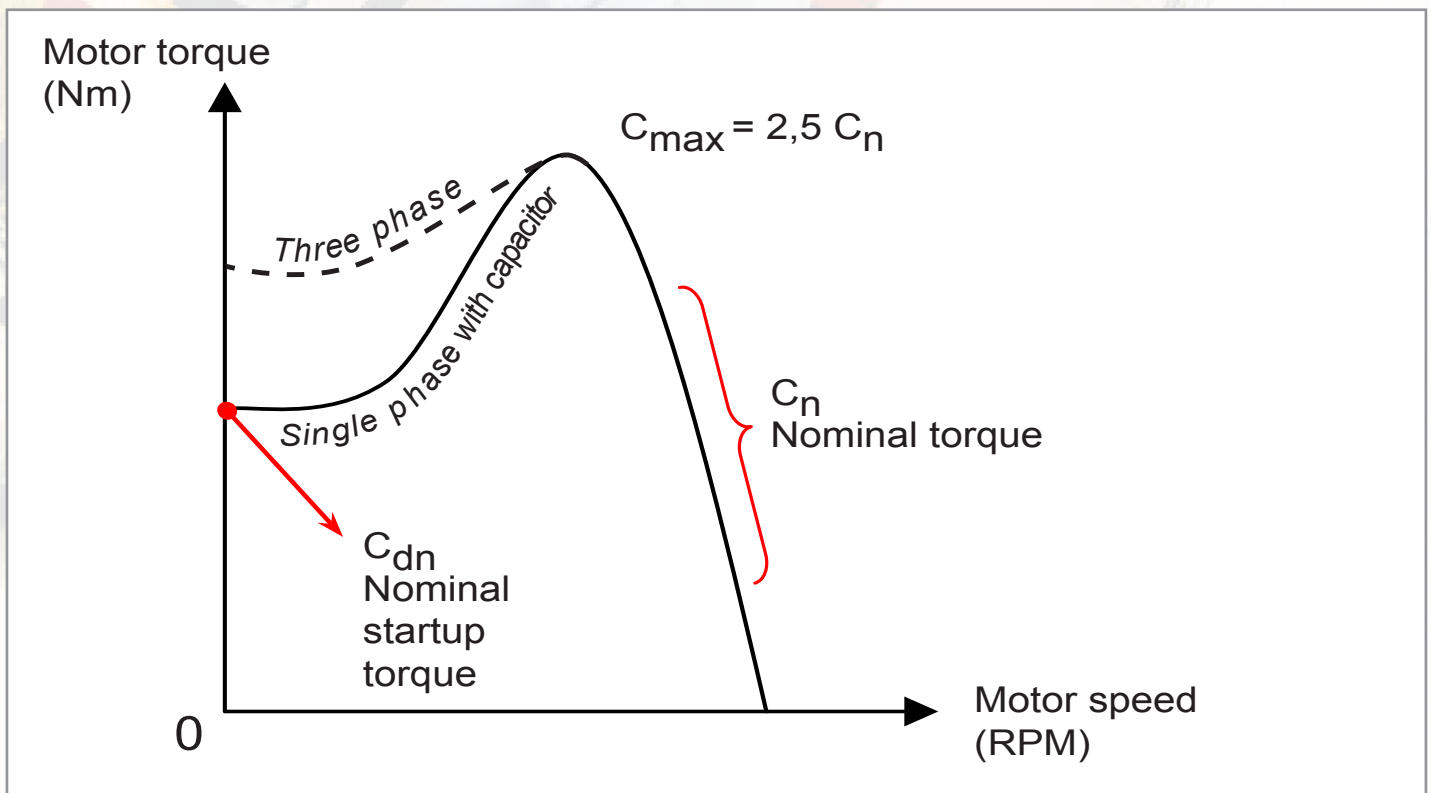
Speed (m/min)	Tension of the belt for 10,000 hours of working (Newton)	
	L<800m	L>800mm
3 to 5	1200	2700
6 to 12	850	2000
18 to 47	700	1500

Motorized drum designation

RL 072 466 *M/T 4 1/39



Characteristic curve of a SIREM asynchronous motor

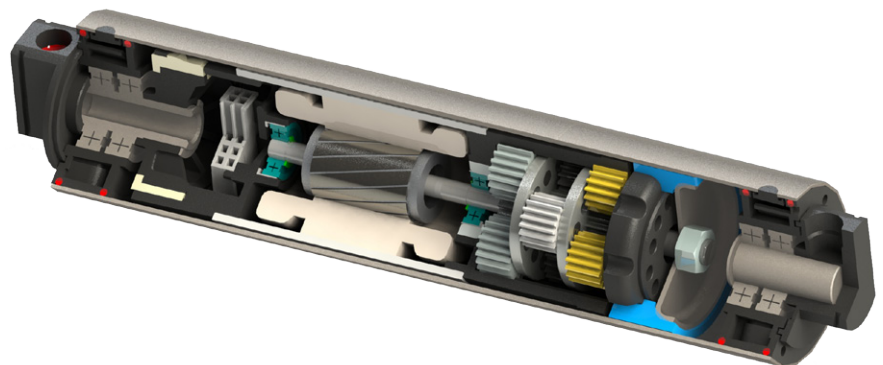


**MAXIMUM LOAD UNTIL 120KG/M****INTENSIVE USING****CUSTOMIZATION OF END FITTING AND CONNECTORS IN OPTION****TECHNICAL FEATURES :**

- Asynchronous motor
- Zinc plated bi-tapered tube
- Permanently lubricated
- Lifespan : 10,000 hours
- Thermal cut-out 155°C
- Class F insulation
- IP44 protection
- S3 service class
- 1m cable length
- Working temperature : -20°C to +85°C

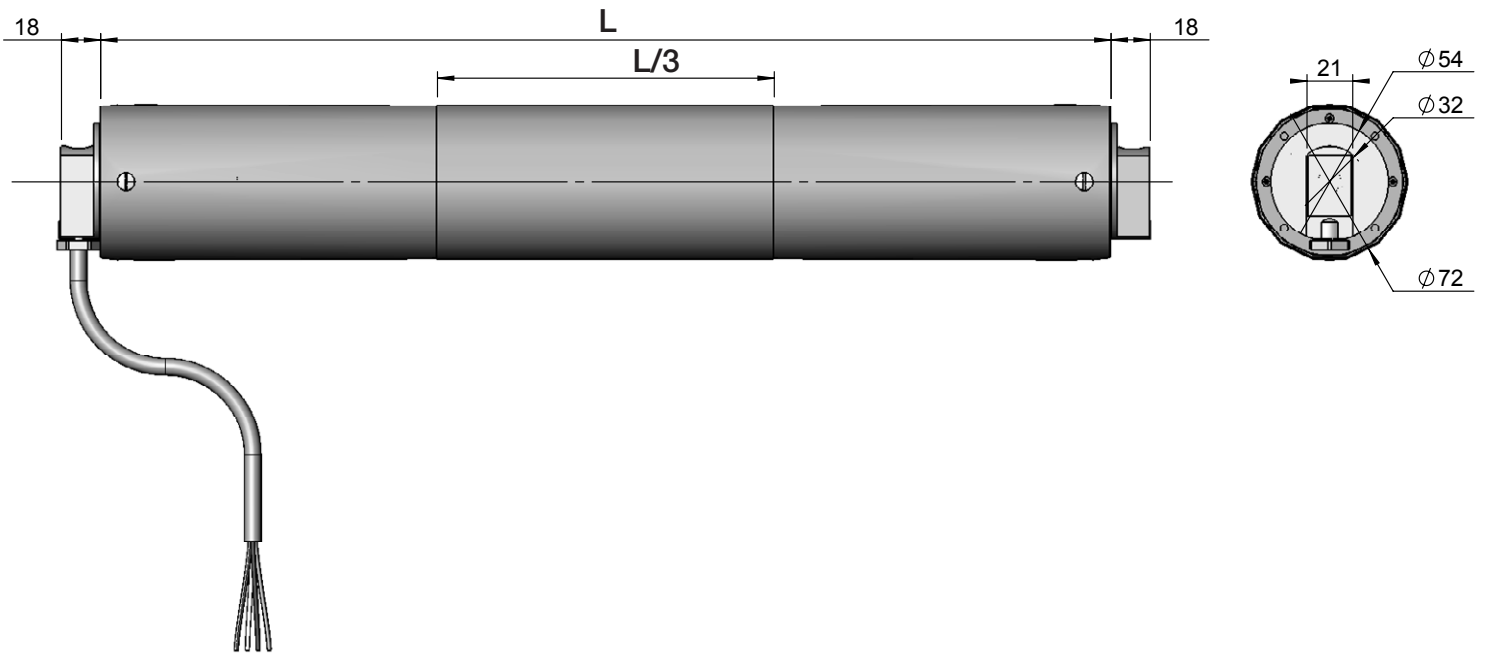
**OPTIONS AVAILABLE ON DEMAND :**

- Other tube shape
- Cable length
- Connector
- Grooved end fitting
- Three phase version
- Voltages and frequencies on request

**COMPLY WITH STANDARDS :**

- EN 60335-1
- EN 60034-1

DIMENSIONS

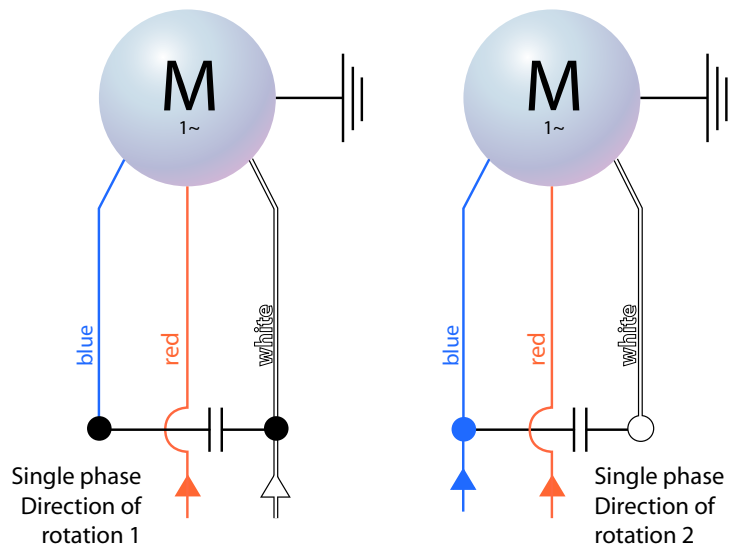


TECHNICAL FEATURES

Ø72 mm Reference	Output power (W)	Linear speed		Reduction ratio	Torque (Nm)	Maximum load (kg)	Tractive effort (N)	Service class	Capacitor (µF)	Intensity under 230v (A)	Available length (mm)
		m/s	m/min								
Single phase motors 230V - 50Hz*											
RL 072	20	0.05	3.0	1/216	17.7	120	433	S3	2	0.23	Mini : 250 Maxi : 1000
		0.06	4.0	1/152	12.5	85	306	S3	2	0.23	
		0.08	5.0	1/135	11.1	76	271	S3	2	0.23	
	50	0.11	6.8	1/95	15.6	94	442	S3	3	0.42	Mini : 325 Maxi : 650
		0.12	7.6	1/84	13.8	86	338	S3	3	0.42	
		0.14	8.5	1/76	12.4	78	306	S3	3	0.42	

* : Three phase version on demand

ELECTRICAL DIAGRAMS





MAXIMUM LOAD UNTIL 133 KG/M

INTENSIVE USING

CUSTOMISATION OF END FITTING AND CONNECTORS IN OPTION

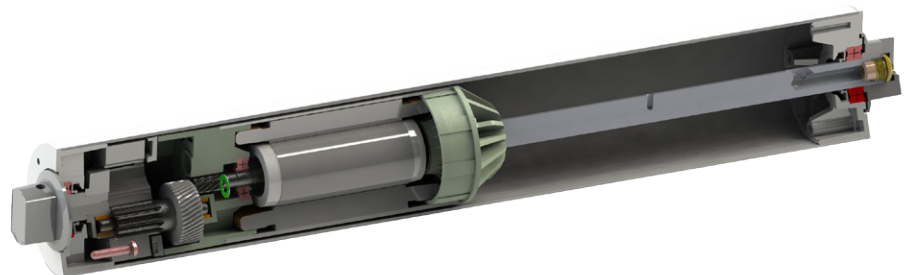
TECHNICAL FEATURES :

- Asynchronous motor
- Aluminium bi-tapered tube
- Oil bath life lubrication
- Plastic end fitting
- Lifespan : 10,000 hours
- Thermal cut-out 155°C
- Class F insulation
- IP66 protection
- S3 service classe
- 1 m cable length
- Working temperature : -20°C to 85°C



OPTIONS AVAILABLE ON DEMAND :

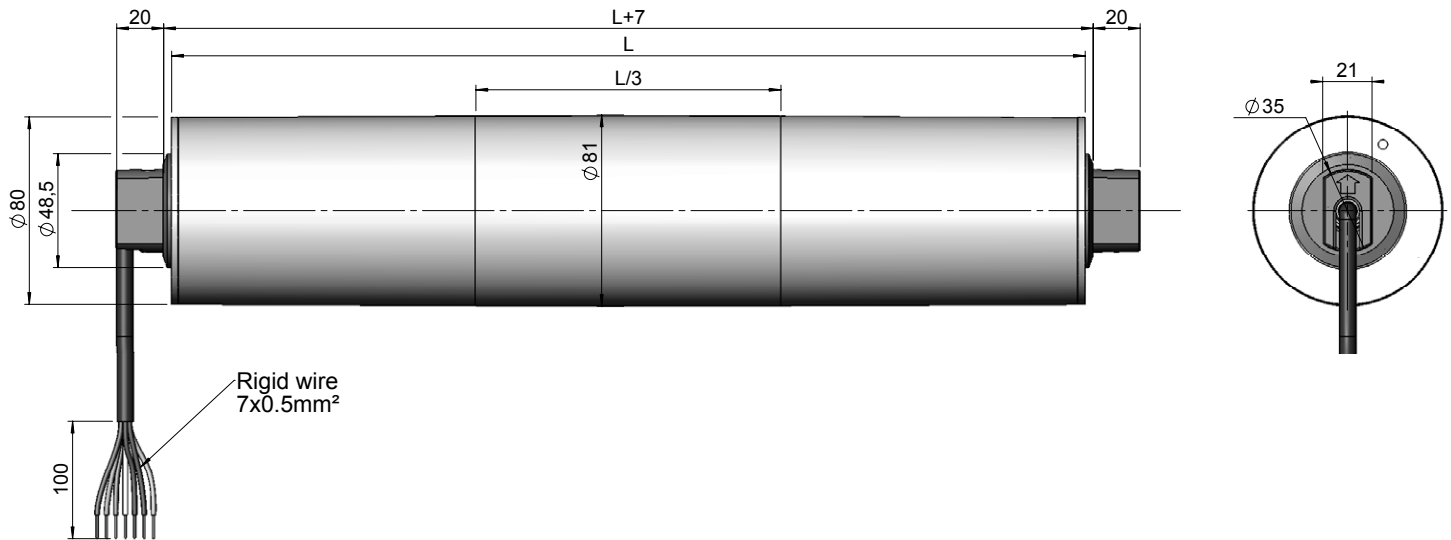
- Other tube shape
- Cable length
- Connector
- End fitting
- Three phase version
- Voltages and frequencies on request



COMPLY WITH STANDARDS :

- EN 60335-1
- EN 60034-1

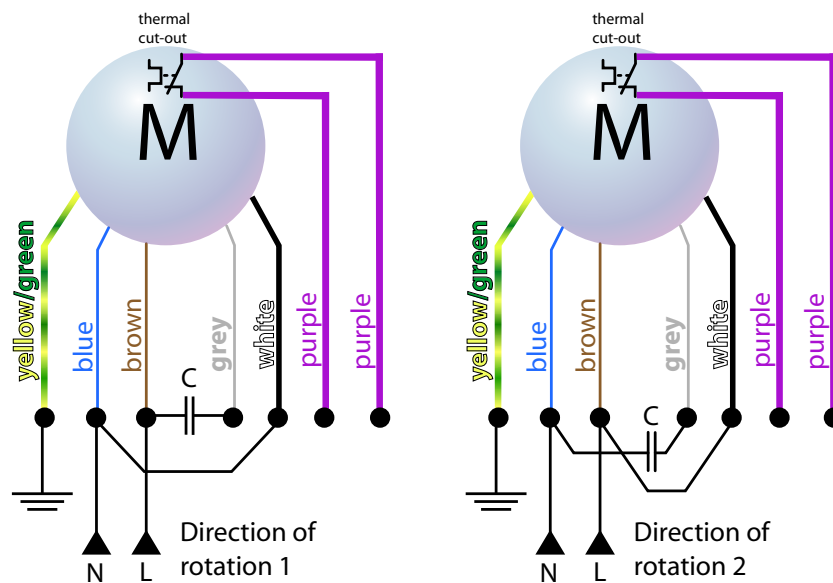
DIMENSIONS



TECHNICAL FEATURES

Ø80 mm Reference	Output power (W)	Linear speed		Reduction ratio	Torque (Nm)	Maximum load (kg)	Tractive effort (N)	Service class	Capacitor (µF)	Intensity under 230v (A)	Available length (mm)
		m/s	m/min								
Moteurs monohasés 230V - 50Hz											
RL 080	85	0.11	6.8	1/50	27.5	133	679	S3 50% of 6s	6	1	Mini : 328 Maxi : 600
	85	0.14	7.8	1/43.3	23.8	115	588		6	1	
	85	0.16	8.7	1/39	21.5	105	530		6	1	
	85	0.19	11.3	1/30	16.5	80	408		6	1	

ELECTRICAL DIAGRAMS





Your application :

- Scrolling billboard
- Checkout
- Belt conveyors
- Others

Describe your application : _____

Characteristic of the conveyor :

- Length of the belt (in mm) : _____
- Width of the belt (in mm) : _____
- Masse à tracter (in kg) : _____
- Belt speed (in m/s) : _____
- Usage Continuous
 Intermittent - Stipulate : _____

Environment

- Specific standard
 Name the standards : _____
- Specific constraints
 Stipulate the constraints : _____
- Protection index IP : _____
- Temperatures : Mini (°C) : _____
 Maxi (°C) : _____
- Dusty
- Damp

Tube :

- Tube length (in mm) : _____
- Tube diameter (in mm) :
- Ø57 Ø89
- Ø72 Ø110
- Ø80 Ø115

Geometry :

- Bi-tapered Cylindrical
- Bi-conic Indifferent

Tube finish :

- Zinc plated Aluminium
- Non galvanized steel Indifférent
- Saintless steel
- Specific coating

Stipulate : _____

Power supply :

- Single phase 24 volts DC 50 Hz
- Three phase 110 volts 60 Hz
 230 volts
 380 volts
- Frequency inverter

Connector

- Axiale output
- Radial output
- Specific connector
 Stipulate : _____
- Cable length (in mm) : _____

End fitting

- Plastic Aluminium
- Space dampers
- None

Quantities : _____ pieces

Complementary informations : _____



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