



**Diameter : Ø113 mm**  
**Speed : 0,9 m/s-0,11m/s-0,13m/s-0,15 m/s**  
**Length : 250 to 600 mm**

- LOAD UP TO 200 KG
- LIFE DURATION : 10 MILLIONS OF CYCLES
- MAINTENANCE FREE
- SILENT
- LOW ENERGY CONSUMPTION

**APPLICATIONS :**

- CHECKOUT COUNTERS
- CONVEYORS

**TECHNICAL FEATURES :**

- ASYNCHRONOUS MOTOR
- PERMANENTLY LUBRICATED
- THERMAL CUT-OUT
- PLASTIC END FITTINGS
- MOLEX STANDARD CONNECTORS (INTERCHANGEABLE)
- ALUMINIUM TUBE
- CLASS F INSULATION
- IP67 PROTECTION
- WORKING TEMPERATURE :  
-10°C TO +40°C
- RELATIVE HYGROMETRY UNTIL 95%

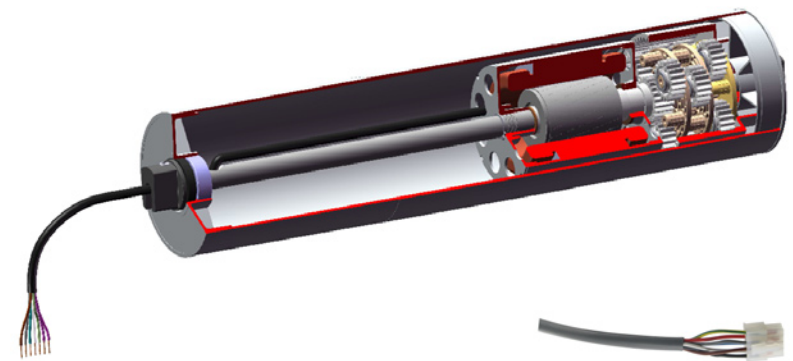
**OPTIONS AVAILABLE ON DEMAND :**

- SPECIFIC COATING
- DRUM LENGTH
- EXTENSION CABLE LENGTH
- SPECIFIC VOLTAGES AND FREQUENCIES

**COMPLIES WITH THE STANDARDS :**

- EN 60034-1
- CE

## DRUM MOTOR Ø113



The RL113 drum motor comes with a standard MOLEX connector (can be purchased in any store) for a simplified connection to your own customized cable extension.

**Drum designation :**

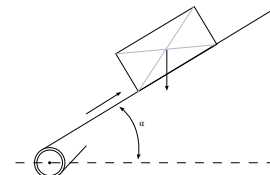
RL	113	250	xM	4	1/70
Drum motor symbol	Diameter	Length in mm	x = Stator type J or K M = Single phase motor	Number of poles	Reduction ratio

## INSTALLATIONS 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.

**Angle of the belt :**

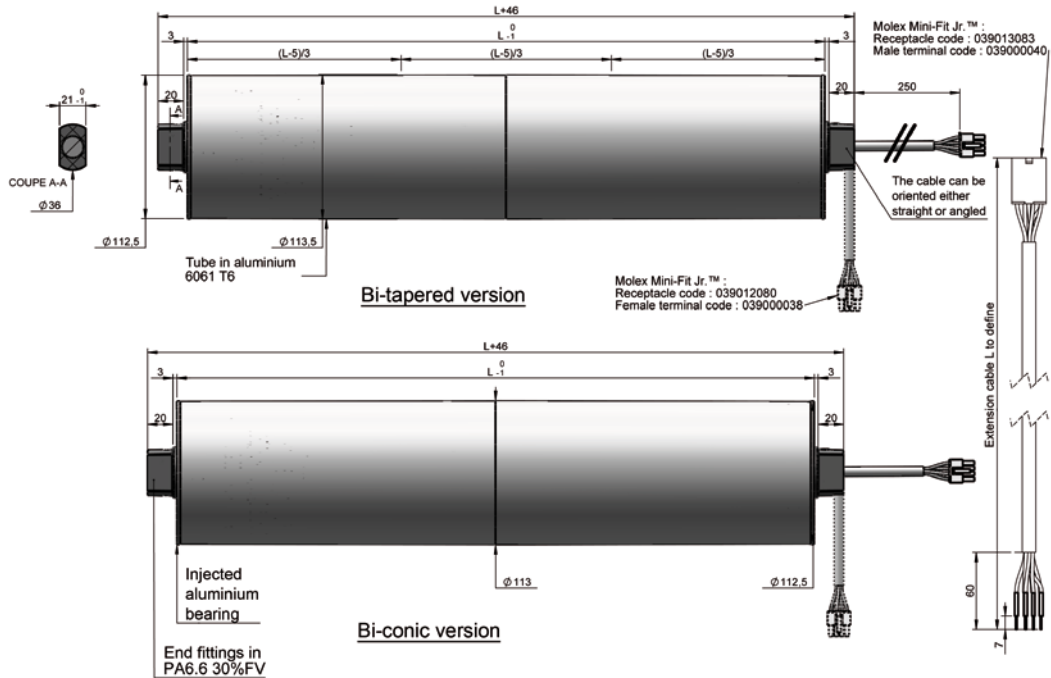


Angle in degree	0	5	10	20	30	45
% of the conveyed load	-	72	64	50	34	16



In a permanent concern for compliance with requirements of sustainable development and reducing operating costs, the power consumption of this drum motor has been reduced by 15%.

# BULK DIMENSIONS



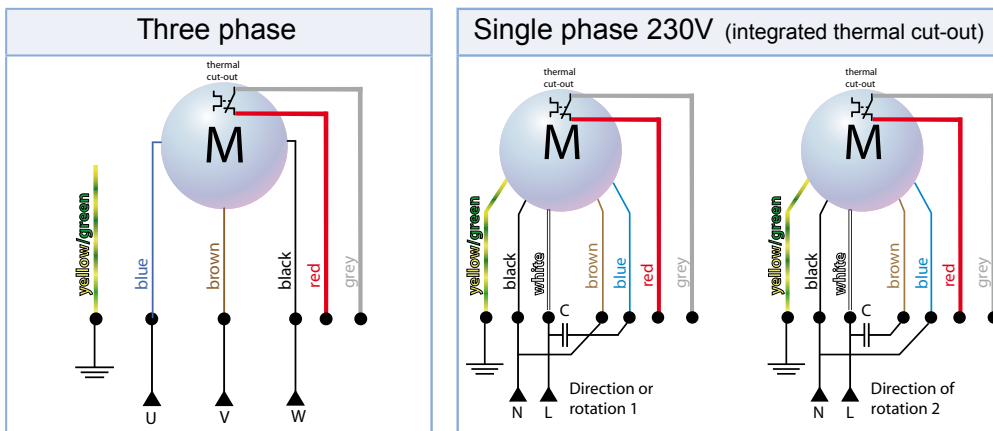
Diameter & Type (mm)	Output power (watts)	Linear speed (m/s) (m/min)	Reduction ratio	Torque (Nm)	Maximum load (Kg)	Belt pull (N)	Tube length (mm)	Service class	Intensity (**)	
<b>Motors 230V - 50Hz</b>										
Ø113	75W	0,09	5,6	1/81,4	34,0	200	Mini : 250 <sup>1</sup> Maxi : 600	S1 or S3(*)	0,85 A	
		0,11	6,5	1/70	29,0	200			584	
	110W	0,13	7,5	1/60,2	37,0	200			743	1 A
		0,15	8,7	1/51,8	32,0	200			637	
<b>Motors 220V - 60Hz</b>										
Ø113	75W	0,11	6,7	1/81,4	29,0	200	Mini : 250 <sup>1</sup> Maxi : 600	S1 or S3(*)	0,85 A	
		0,13	7,8	1/70	36,0	200			725	
	110W	0,15	9,0	1/60,2	31,0	200			619	1 A
		0,17	10,5	1/51,8	27,0	200			531	

\* in service class S3 : (15 cycles per min, 50% of maximum load, 8hour/day)

<sup>1</sup> For the length 250mm only 75 W version available

\*\* do not exceed this intensity in service class S1

## ELECTRICAL DIAGRAMS



- Do not use the drum motor without belt (risk of overhear)
- Do not vulcanize the drum motor
- Connect the thermal switch in series with the supply of the coil from the motor contactor
- The conveyor length must not exceed 2 meters