

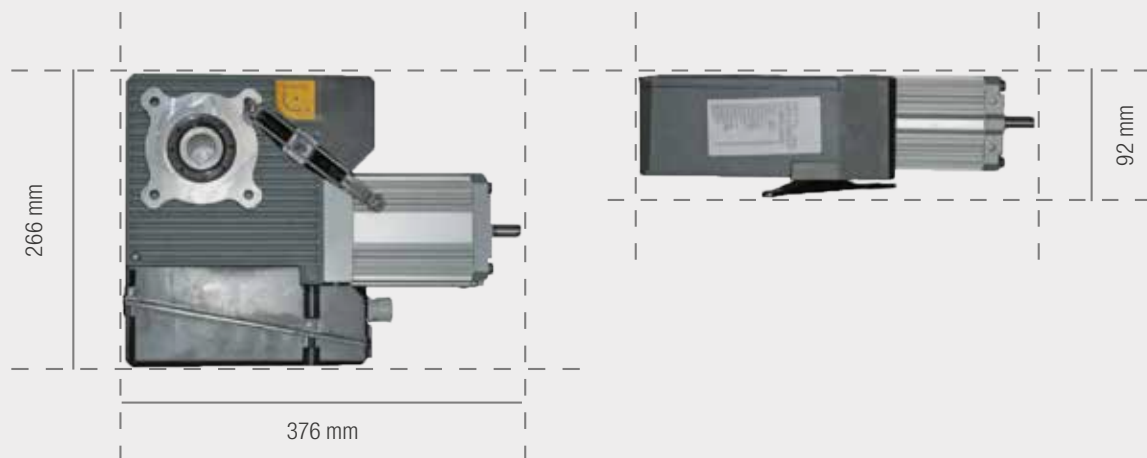


OPERATOR FOR INDUSTRIAL DOORS

- Extremely compact and silent single- and three-phase gearmotor
- Gearmotor for worm-screw / non-reversible crown entirely in oil bath to ensure door mechanical block
- Possibility of installation directly on rope winding drum shaft or through chain transmission
- In the manual release system, in models with winch, there is a specific mechanism which disables power supply during chain pull phase.

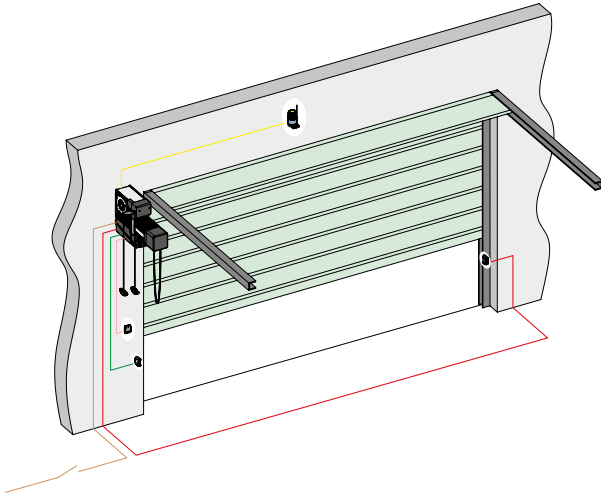
Code	Name	Version	Voltage	Use
6120034	Mercury CV Plus	Non-reversible with incorporated Plus control board and winch	230V	Industrial
6120024	Mercury 3 PH	Non-reversible without control board with winch - motor 3 PH	400V	Industrial

OPERATOR DIMENSIONS



Technical Specifications	Mercury CV Plus	Mercury 3 PH
Power supply (V)	230	400
Electric motor (V)	230	Asynchronous three-phase
Power (W)	800	420
Current (A)	3.5	1.1
Capacitor (µF)	20	-
Rotation speed (rev./min.)		23
Thermal Protection (°C)		140
Frequency of use at 20 °C	S3 - 40%	S3 - 60%
Max. consecutive cycles	5	6
Drive transmission	Through shaft ø 25.4 mm	
Shaft rated torque (Nm)	50	70
Max. rotations of rope winding drum	24 rotations	
Operating ambient temperature (°C)	-20 +55	
Gearmotor weight (kg)	14	
Protection class	IP54	

ELECTRIC WIRING DIAGRAM



- Line3x1,5 mm²
- Flashing lamp2x1,5 mm²
- Selector2x0,5 mm²
- TX photocells2x0,5 mm²
- RX photocells4x0,5 mm²

TYPICAL INSTALLATION EXAMPLE

Q.ty	Material description	Part number
1	MERCURY CV PLUS gearmotor with incorporated electronic control board	6120034
1	5-PIN one-channel receiver 868 MHz	JA335
1	Four-Channel Transmitter KILO TX2 JLC	6100332
1	VEGA Photocells	6100147

Material to add in order to get the configuration as per Wiring Diagram

Q.ty	Material description	Part number
1	QUICK 1 key-operated selector for outdoor use	JA31101-15
1	230V GUARD Flashing Lamp	6100052

ACCESSORIES

CONTROL BOARDS

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TRANSMISSION KIT
off axis transmission kit.Ratio 1:1.5.

Code **6100109**



WINCH EXTENSION
chain 8 m.

Code **6100122**



RELEASE EXTENSION
8 m.

Code **6100121**



FIXING PLATE
For winch adjustment.

Code **6100123**

Off axis transmission kit Ratio 1:2

Code **6100120**

DEFINITION OF THE MOTION TRANSMISSION ON MERCURY ACCORDING TO Ø DRUM AND DOOR WEIGHT						SINGLE-PHASE 230Vac	THREE-PHASE 400Vac
DRUM TYPE	Ø MAX [mm]	Door MAX Weight [Kg]	Gross torque necessary [Nm]	Balance [%]	Net Torque [Nm]	Recommended transmission	
M-102 2400	124	241	146,4	85	22,0	Direct	
M-102 3125	127	340	211,6	85	31,7	Direct	
M-102 3965	125	500	306,3	85	45,9	Transmission 1:1.5	Direct
M-134 5500	152	680	506,5	85	76,0	Transmission 1:2	Transmission 1:1.5
M-203 9750	230	1000	1127,0	85	169,1	Not possible	
M-203 9750 ALB. 31.75	230	1000	1127,0	85	169,1	Not possible	
M-102 1375	153	250	187,4	85	28,1	Direct	
M-134 1375	190	455	423,6	85	63,5	Transmission 1:1.5	Direct
M-146 3050	280	455	624,3	85	93,6	Not possible	Transmission 1:1.5
FF HL 164 FF HL 164/54 ALB. 31.75	280	575	788,9	85	118,3	Not possible	Transmission 1:2
M-216 3350	225	386	425,6	85	63,8	Transmission 1:1.5	Direct
M-280 5500	280	454	622,9	85	93,4	Not possible	Transmission 1:1.5
FF VL 28/54 ALB. 31.75	350	750	1286,3	85	192,9	Not possible	

N.B. The torque values expressed by the gearmotor can be subject to reductions due to motor performance drops caused by temperature increase.