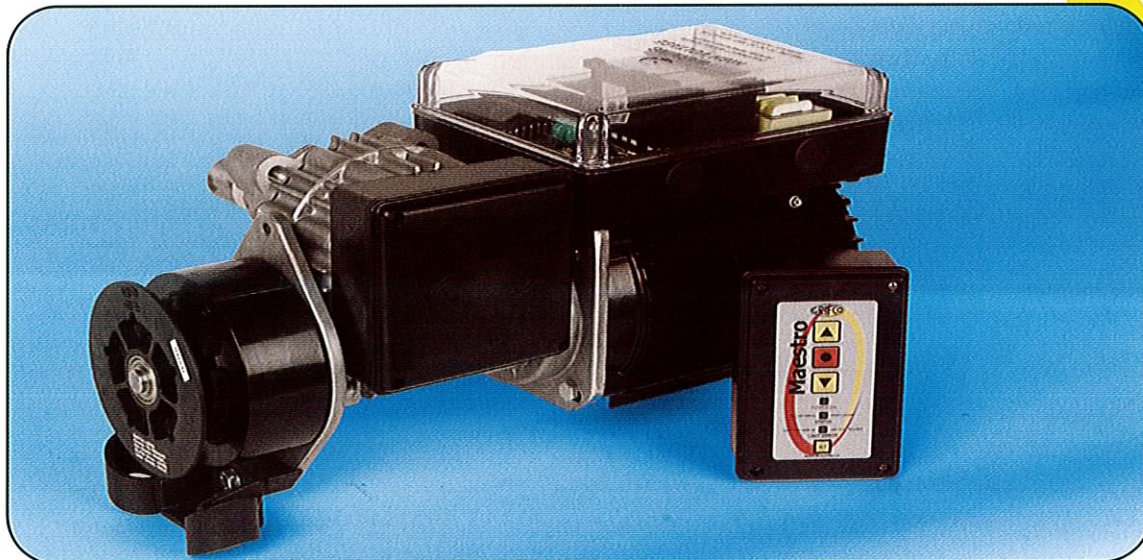


Maestro

GRIFCO

Industrial Medium Duty Door Operator

MH103 – 0.75kw 1hp 415v 3 Phase (high cycle rated)



The workhorse of the Maestro range is the MH103 designed for high volume roller shutter operation up to 36sqm*. Endurance of the MH103 is backed up by high tensile gear materials, cooling fins for greater heat dissipation, specially manufactured lubricant and a 750 watt continuous rated powerful electric motor. Combine this with an Elite logic upgrade and you have the ideal industrial operator for commercial car park doors or any door application demanding high use and advanced functionality.

Sophisticated on-board controls provide enormous flexibility to your specific door behaviour requirements and feature a trigger input for simple connection to external devices such as: access control systems, keypads, loop detectors etc.

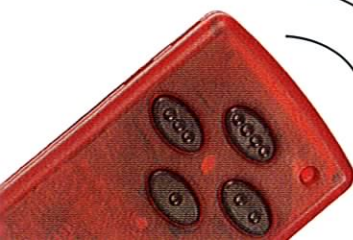
The MH103 also features Grifco's patented Automatic Chain Engage Mechanism (ACEM) that allows the hand chain to remain on the emergency chain wheel at all times and provides instant manual operation in the event of a power failure.

* Based on a standard shutter as indicated in the Grifco specification folder

KEY FEATURES

- Powerful continuous rated 3 phase electric motor
- Multiple overload protection settings
- Push button set limits
- Low voltage plug-in Controller with 6m lead and glands
- Automatic Chain Engage Mechanism (ACEM)
- 3 limit positions standard
- Call for service indicator
- Immediate upgrade to remote control (no wiring)
- 2 Year Warranty

Quick remote upgrade*



*Optional

GRIFCO

Accessories

Remote Control Kit - Immediate upgrade to remote control with 2 x 4 channel hand transmitters and receiver (433Mhz, no wiring required)

Interchangeable Controllers - A large range of Controllers are available with key switch operation and key switch isolation (no wiring, simply plug in)

Photo Beams - Reflective and beam to beam photo cells are available to provide added safety and allow for door behaviour modification (pulse to close)

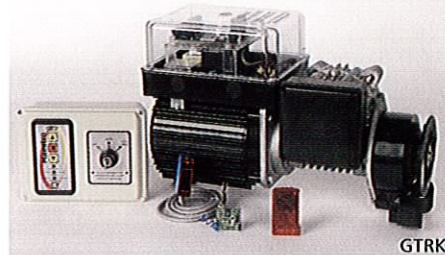
Safety Bump Edge - A sensing edge for the bottom rail of door to reverse the door when closing on an obstruction

Elite Logic Control (recommended for this operator) - For complete logic control functions incl: Auto close (up to 5 mins), multi mode door behaviour incl. emergency services, variable door obstruction behaviour, 4 status relays for connection to external devices, plus many more features (incl. remote control and photo beam - all plug-in except photo beam)

Mounting and Transmission - A selection of platewheels, sprockets, drive chain and mounting plates provide the necessary components for operator / door connection

Specifications

MOTOR	3 phase induction 'star'	
VOLTAGE	415AC three phase / 50Hz (other voltages available)	
LOAD	1.95 Full load amps	
POWER RATING	750 Watt / 1.0 horse power	
DUTY	Approx. 60 operations / hour	
OVERLOAD	Digital current sensing	
REDUCTION	Worm and wheel (47:1)	
INPUT	1350 RPM @ 50Hz	
OUTPUT SHAFT	31.75mm shaft x 8mm key	
OUTPUT SPEED	29 RPM	
OUTPUT TORQUE	150 NM @ 60% efficiency	
LUBRICATION	Molybdenum di-sulphide fluid grease	
MATERIALS	Housings	Pressure die-cast CA313 alloy
	Gearing	High tensile steel and bronze
	Bearings	Deep groove ball race
	Seals	Viton and nitrile single oil lip
LIMIT SWITCHES	Mechanism	Optical readers
	Resolution	6.92° @ output shaft
	Max rev.	300+ @ output shaft
	Max travel	10+ minutes



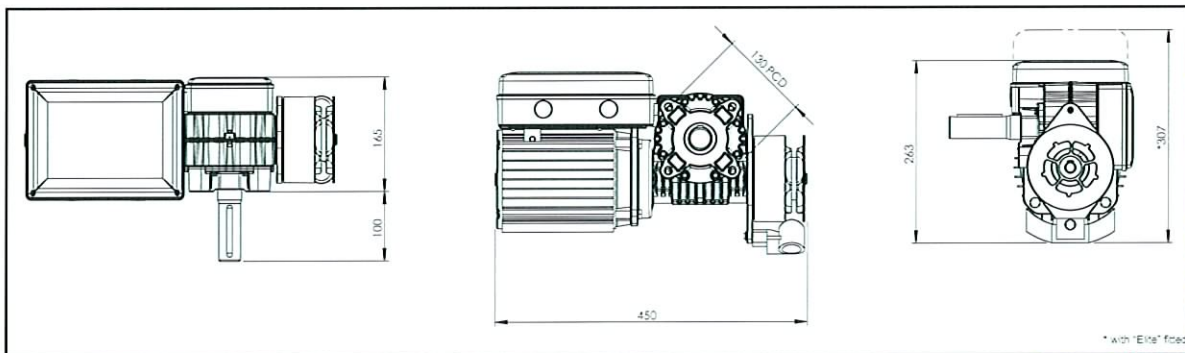
MH103 shown with Elite logic upgrade



Safety bump edge



Mounting plates & transmission accessories



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2 YEAR
WARRANTY
GRIFCO GRIFCO