

Marantec UK

Tubular Motor Catalogue
EURODRIVE Motors & Accessories
Automation for awnings and roller shutters



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Marantec UK Tube Motor Catalogue

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Our Quality Mission

To provide a superior service in our chosen field of Automatic Door & Gate Operators and their Controls.'

Marantec UK's Quality Management System (QMS) is designed to support the organization's efforts to achieve this mission and to comply with the requirements of ISO9001:2008. Appropriate Quality Objectives for QMS are set and reviewed by management. Our established policy is:

- To maintain awareness of our customers' needs and requirements.
- To monitor customer satisfaction with a view to meeting and exceeding their expectations.
- To meet and exceed our quality objectives.
- To strive for continual improvement of the QMS

All staff are dedicated to the pursuit of quality. Our quality objectives are regularly reviewed by analysing customer feedback.

About Us

Established in 1990 we are the leading supplier within the industry and are driven to provide only high quality products and service to our customers. Through close alliance with major European manufacturers and our customers, we have permanently kept ahead of market requirements and are able to offer competitive prices across our entire product range.

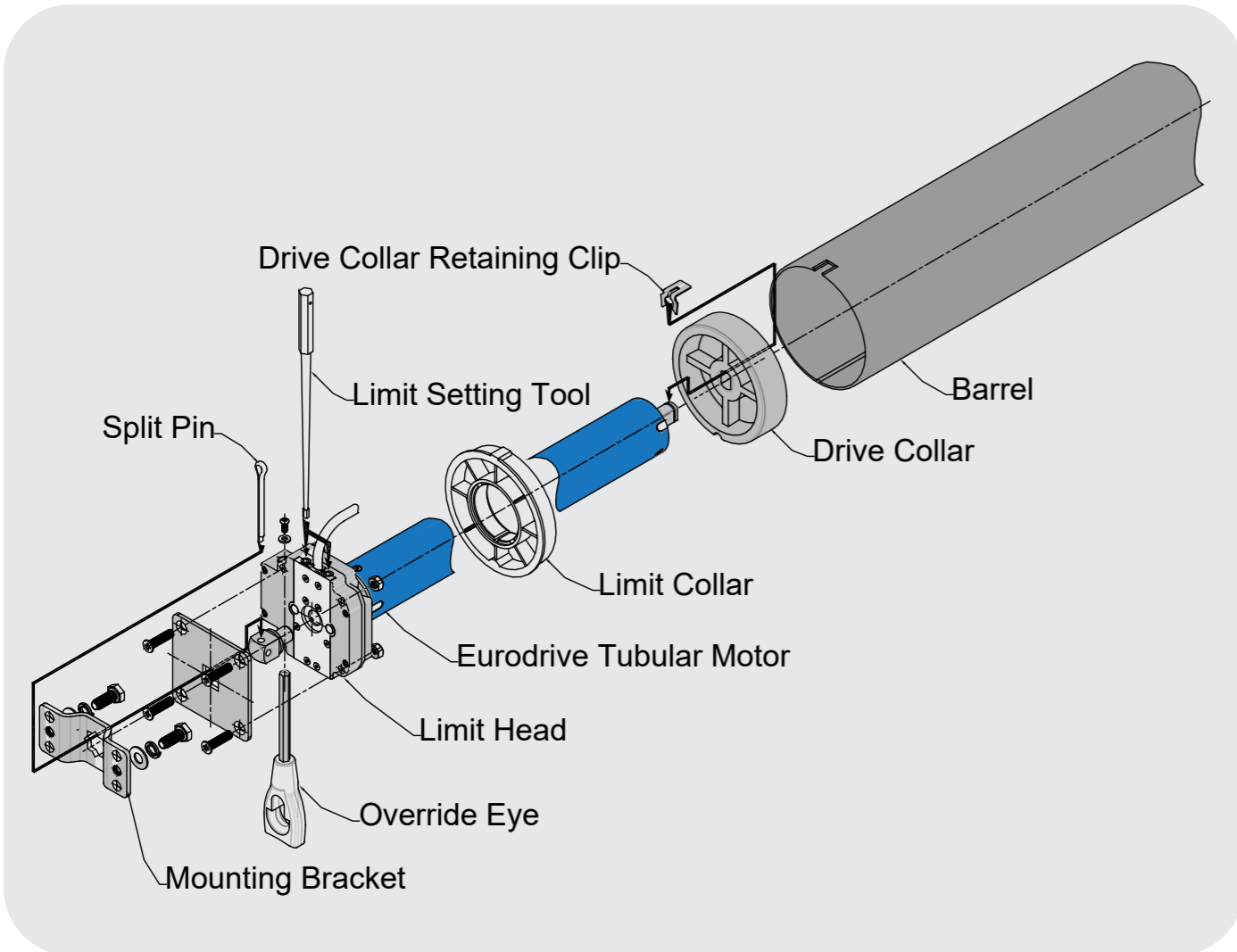
We offer an unbeatable level of technical support on the full range of Marantec products, from the initial enquiry through to installation. Our fully manned support team is always available to assist and advise on everything from motor selection through to your site installation. Great care is taken to provide simple user-friendly instructions with all our products. We also offer training seminars tailored to individual needs. To complement our range of multifunction control panels, we also offer a bespoke service, designed and built in house, providing greater flexibility to meet all our customer requirements.

About Tube Motors

Design & Assembly

Tubular motors were originally designed to automate small blinds and shutters. The largest markets being France, Italy and Germany where shutters and blinds are incorporated into the design of domestic and commercial buildings. In Great Britain tubular motors have gained in popularity with the requirement for increased security for retail and office premises.

The tubular motor provides an unobtrusive means of automating shopfront shutters and grilles.



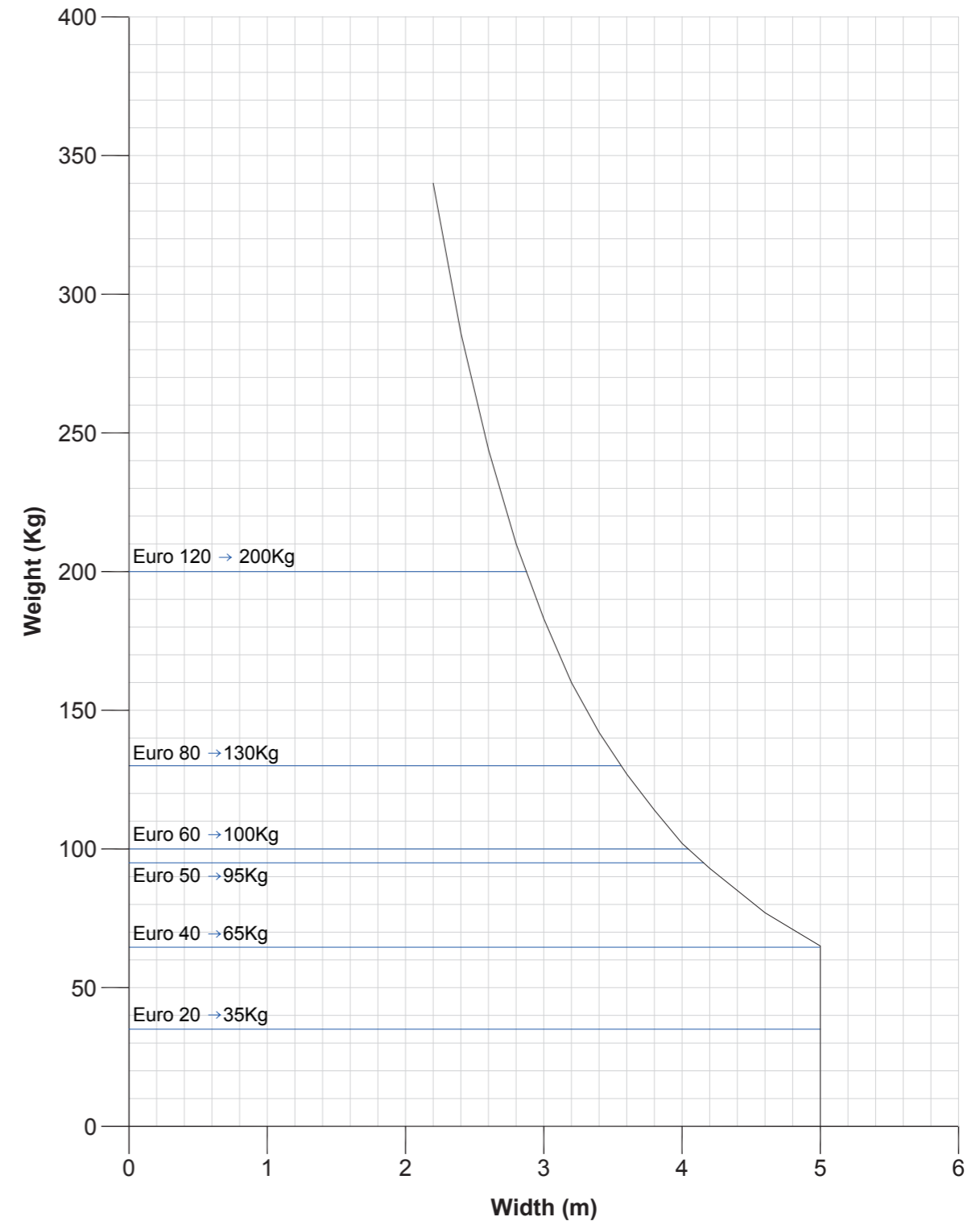
Tubular motors are by their design limited in their duty i.e. the number of repeated operations that can be performed. Typical number of operations would be 4-6 dependant on the application, therefore the tubular motors are ideal for situations where the shutter must be opened in the morning and closed in the evening.

In an effort to assist in the selection for your application we have produced several reference charts. Initially it is necessary to establish the weight of the curtain, and the tube which is to be used. Given this information the tubular motor can be selected.

Tube Deflection Charts

Motor Selection & Tube Deflection Charts

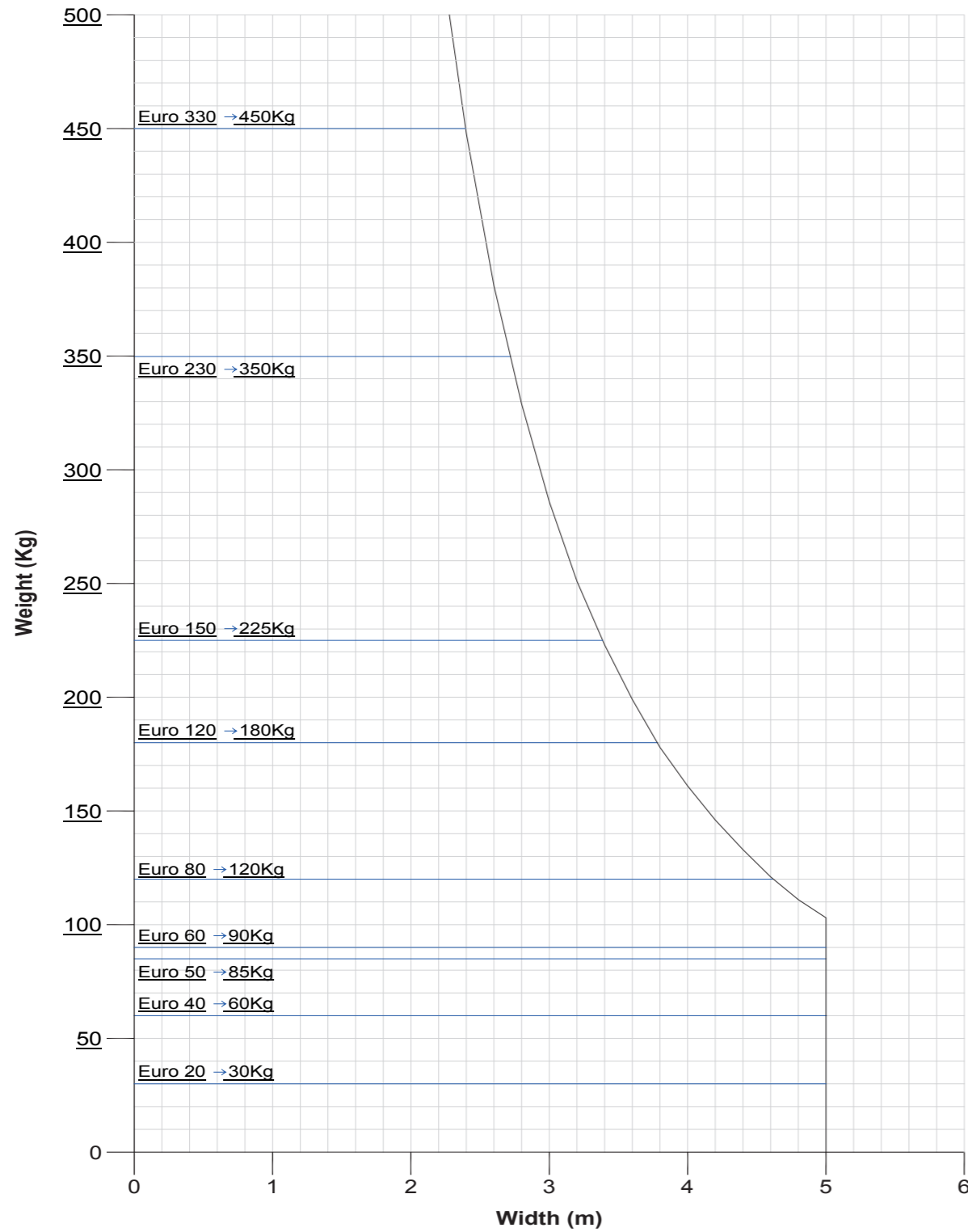
Quick Reference Motor Selection & Tube Deflection Charts
(For Door Heights Not Exceeding 3m) 90mm x 1.5mm Tube



Tube Deflection Charts

Motor Selection & Tube Deflection Charts

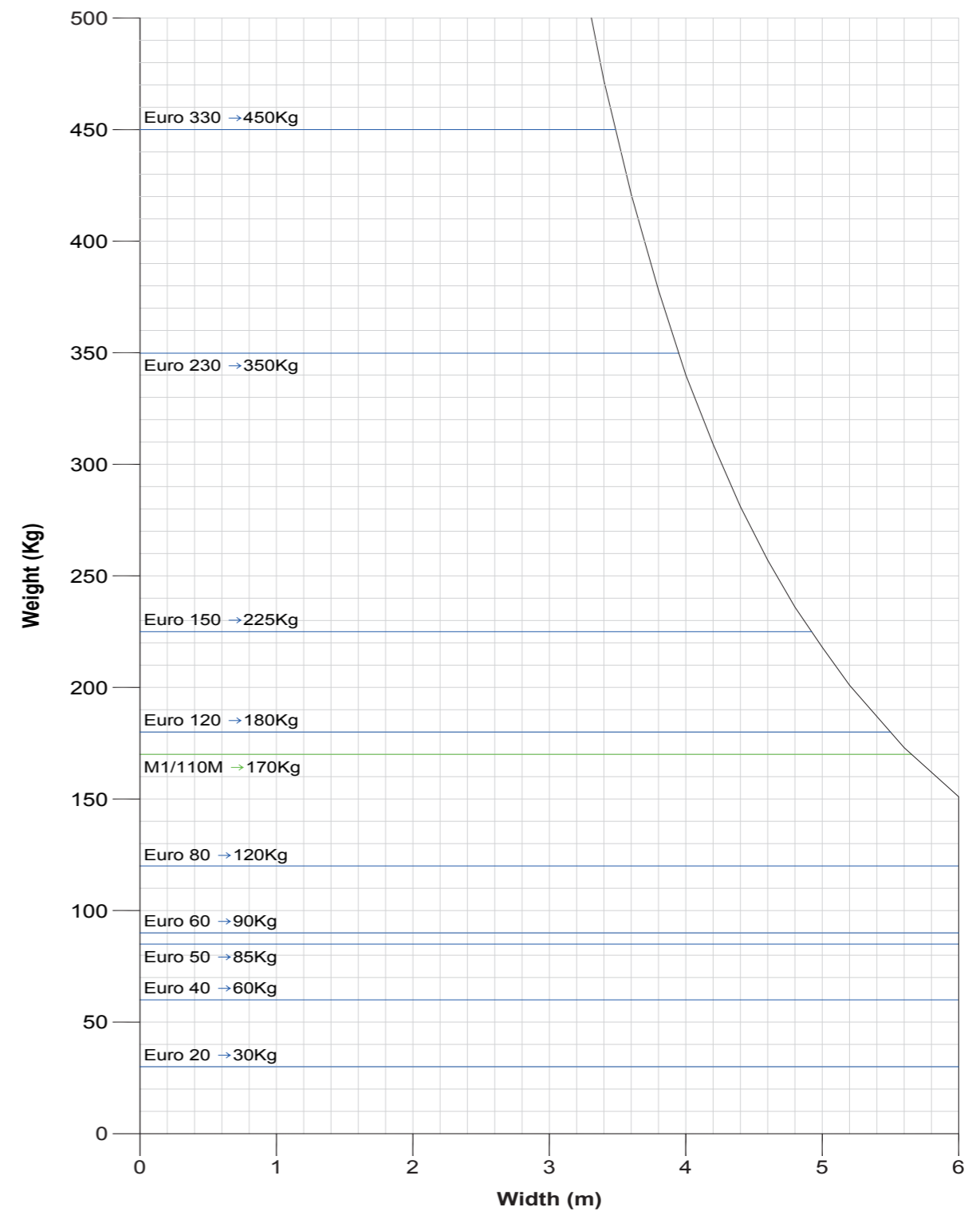
Quick Reference Motor Selection & Tube Deflection Charts
(For Door Heights Not Exceeding 3m) 101.6mm x 1.63mm Tube (4"16swg)



Tube Deflection Charts

Motor Selection & Tube Deflection Charts

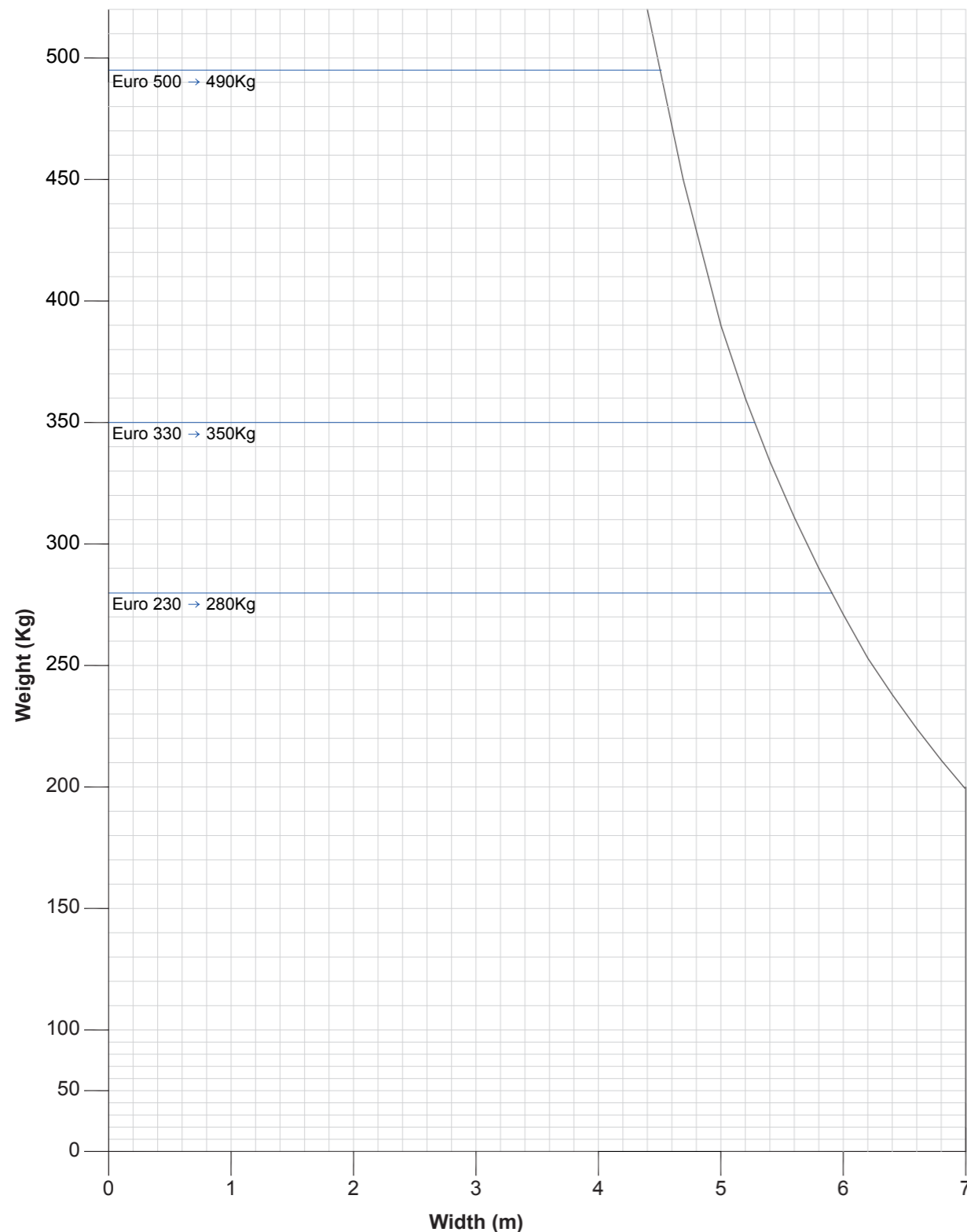
Quick Reference Motor Selection & Tube Deflection Charts
(For Door Heights Not Exceeding 3m) 101.6mm x 3.66mm Tube (4"9swg)



Tube Deflection Charts

Motor Selection & Tube Deflection Charts

Quick Reference Motor Selection & Tube Deflection Charts
(For Door Heights Not Exceeding 3m) 127mm x 3.25mm Tube (5"10swg)



Lifting Capacity Table

Motor Selection & Tube Deflection Charts

Lifting Capacity	40mm	60mm	70mm	90mm	100mm	127mm	139.7mm
EURODRIVE 12	40kg	-	-	-	-	-	-
EURODRIVE 20	-	50kg	40kg	35kg	30kg	-	-
EURODRIVE 40	-	80kg	70kg	65kg	60kg	-	-
EURODRIVE 50	-	120kg	105kg	95kg	85kg	-	-
EURODRIVE 60	-	130kg	110kg	100kg	90kg	-	-
EURODRIVE 80	-	-	140kg	130kg	120kg	-	-
EURODRIVE 120	-	-	210kg	200kg	180kg	-	-
EURODRIVE 150	-	-	-	-	225kg	-	-
EURODRIVE 230	-	-	-	-	350kg	280kg	-
EURODRIVE 330	-	-	-	-	450kg	350kg	320kg
EURODRIVE 500	-	-	-	-	-	490kg	410kg

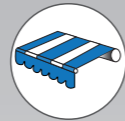
Please note: The lifting capacities shown are correct up to an opening height of 3m, please contact the sales department for heights above 3m.



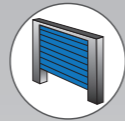
Need help?
AskUs!

Call our sales team on +44 (0)1928 579 050 who will help assist you through any queries regarding our products or door solutions.

EURODRIVE 12 Non-Manual Override



Awnings



Roller Shutters

12Nm

- 230V 50Hz Single phase motor.
- Supplied complete with limit adjuster tool.
- Silent running on operation.
- Without manual override.
- Tube adaptors to suit 40mm to 50mm.
- Specifically designed to suit continental shutters.
- From 15mm offset (including mounting bracket).

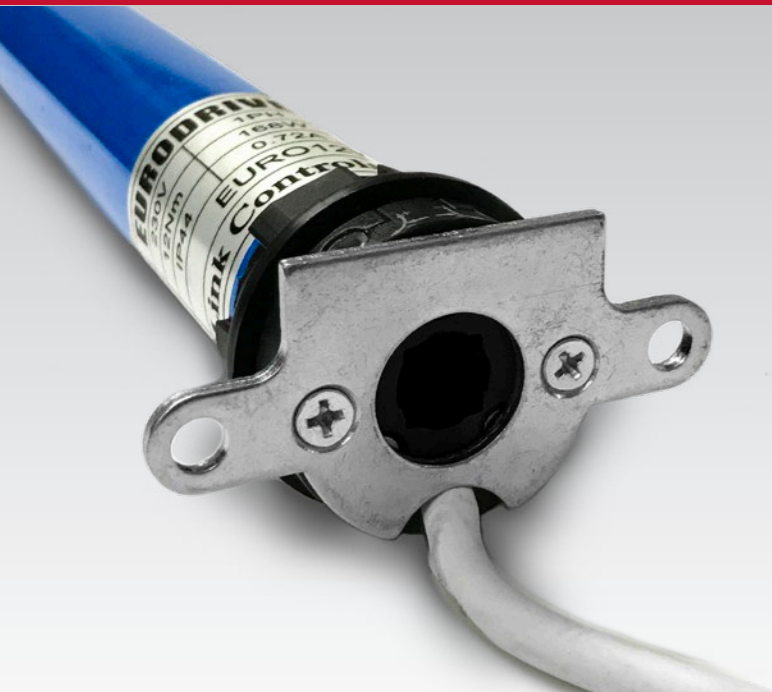
Motor comes complete with:



EUROBKT(COMP)

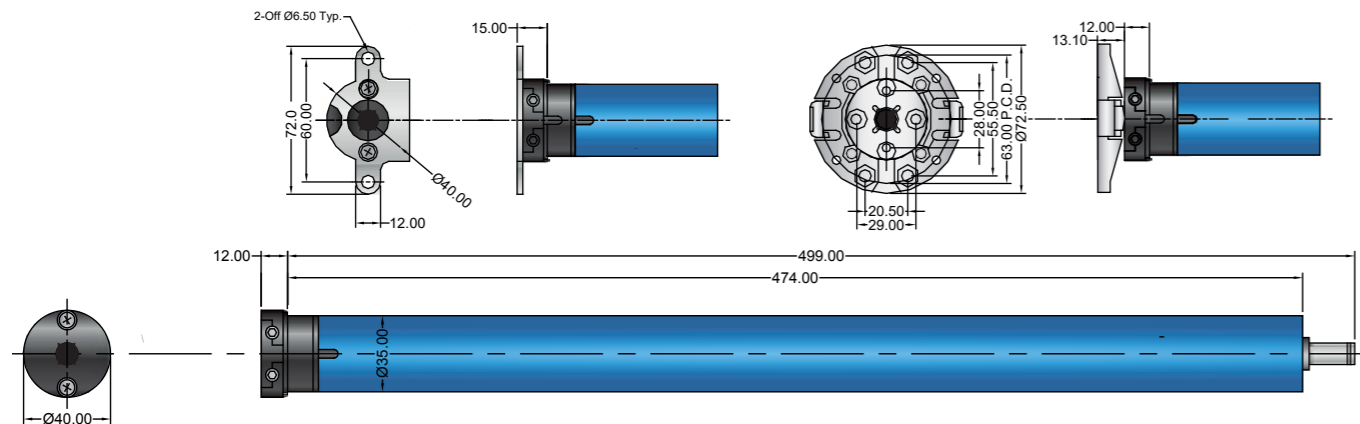


EUROBKT(WALL)

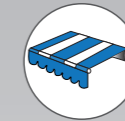


Technical Details

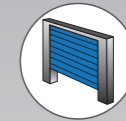
Technical Data	12 W/O
Torque	12 Nm
Power	168 W
Current	0.72 A
Voltage	230V 50Hz
R.P.M	17/min
Limit Turns	20
IP Rating	IP.44
Lifting Capacity	40Kg Ø 40mm



EURODRIVE 20 Non-Manual Override



Awnings

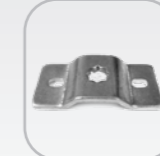


Roller Shutters

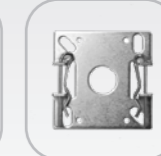
20Nm

- 230V 50Hz Single phase motor.
- Supplied complete with limit adjuster tool.
- Silent running on operation.
- Without manual override.
- Tube adaptors from 56mm to 4"9swg.
- Specifically designed to suit continental shutters.

Motor comes complete with:



EURO50BKT



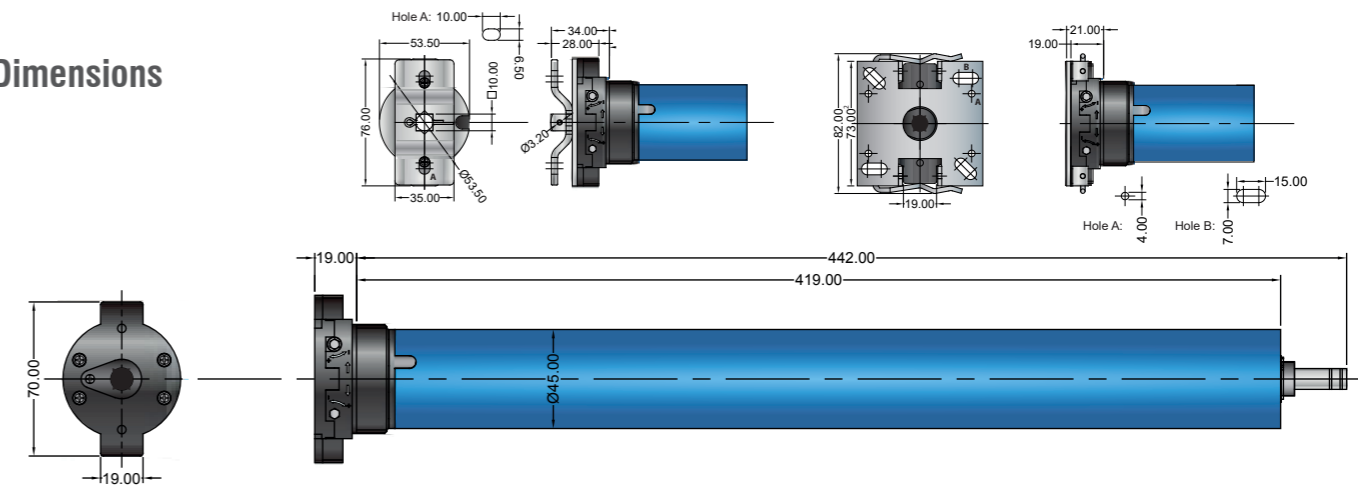
EUROBKT(DOM)



Technical Details

Technical Data	20 W/O
Torque	20 Nm
Power	178 W
Current	0.8 A
Voltage	230V 50Hz
R.P.M	17/min
Limit Turns	20
IP Rating	IP.44
Lifting Capacity	50Kg Ø 60mm

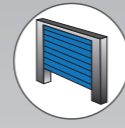
Dimensions



EURODRIVE 40 Through Drive Override



Awnings



Roller Shutters

40Nm

- 230V 50Hz Single phase motor.
- Supplied complete with limit adjuster tool.
- Silent running on operation.
- Through drive override.
- Tube adaptors from 56mm to 4"9swg.
- Specifically designed to suit continental shutters.

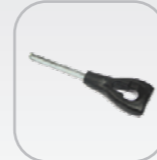
Motor comes complete with:



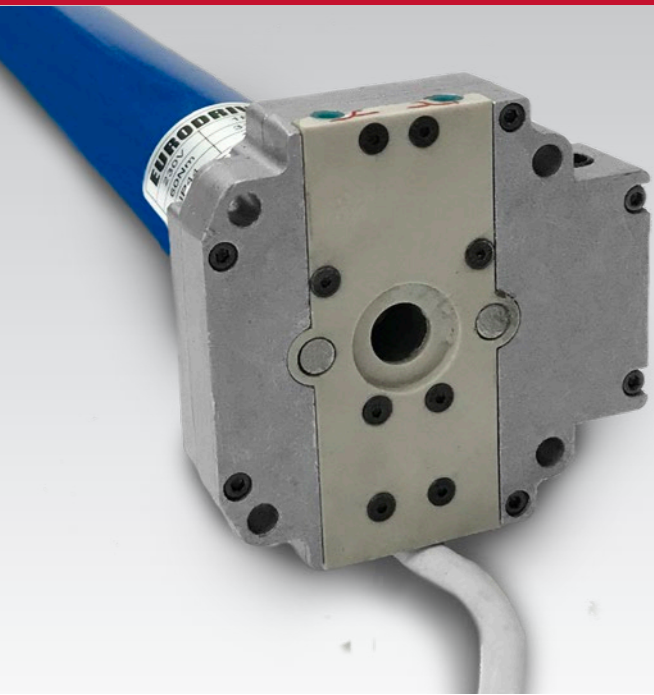
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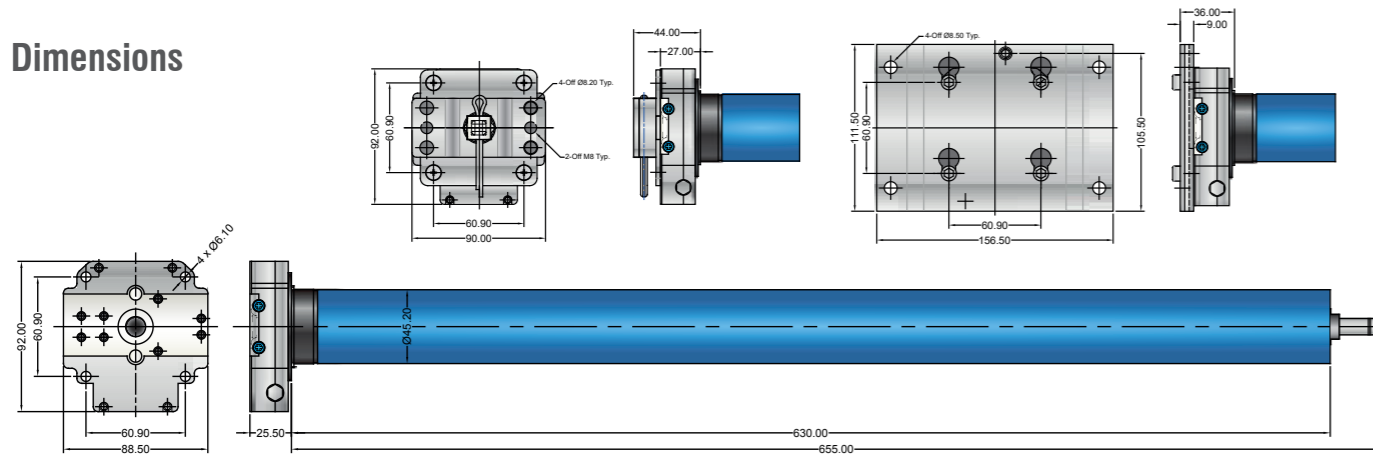
EUROEYE200



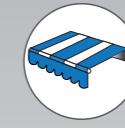
Technical Details

Technical Data	40 M/O
Torque	40 Nm
Power	275 W
Current	1.20 A
Voltage	230V 50Hz
R.P.M	15/min
Limit Turns	38
IP Rating	IP.44
Lifting Capacity	60Kg Ø 100mm

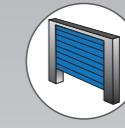
Dimensions



EURODRIVE 50 Non-Manual Override



Awnings



Roller Shutters

50Nm

- 230V 50Hz Single phase motor.
- Supplied complete with limit adjuster tool.
- Silent running on operation.
- Without manual override.
- Tube adaptors from 56mm to 4"9swg.
- Specifically designed to suit continental shutters.

Motor comes complete with:



EURO50BKT



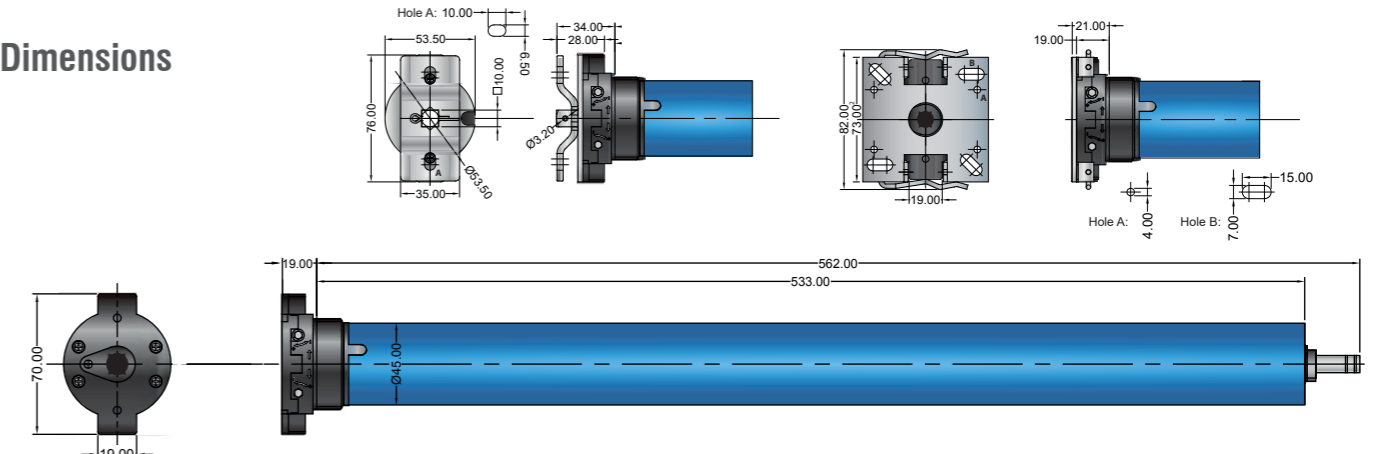
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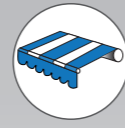
Technical Details

Technical Data	50 W/O
Torque	50 Nm
Power	282 W
Current	1.25 A
Voltage	230V 50Hz
R.P.M	12/min
Limit Turns	34
IP Rating	IP.44
Lifting Capacity	85Kg Ø 100mm

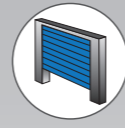
Dimensions



EURODRIVE 60 Through Drive Override



Awnings



Roller Shutters

60Nm

- 230V 50Hz Single phase motor.
- Supplied complete with limit adjuster tool.
- Silent running on operation.
- Through drive override.
- Tube adaptors from 56mm to 4"9swg.
- Specifically designed to suit continental shutters.

Motor comes complete with:



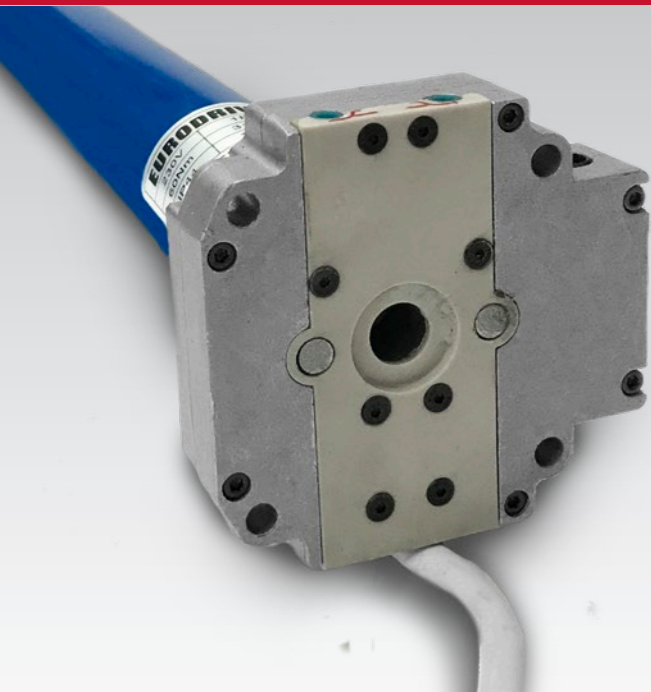
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EUROBKT-DI



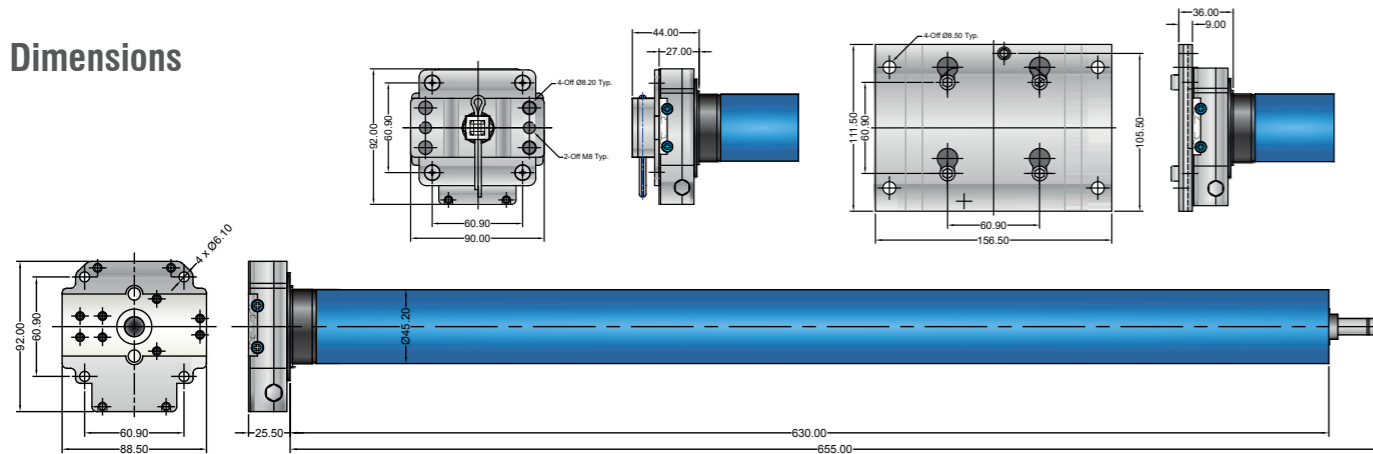
EUROEYE200



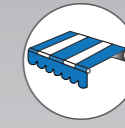
Technical Details

Technical Data	60 M/O
Torque	60 Nm
Power	310 W
Current	1.36 A
Voltage	230V 50Hz
R.P.M	12/min
Limit Turns	38
IP Rating	IP.44
Lifting Capacity	90Kg Ø 100mm

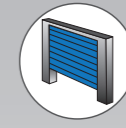
Dimensions



EURODRIVE 80 Through Drive Override



Awnings



Roller Shutters

80Nm

- 230V 50Hz Single phase motor.
- Supplied complete with limit adjuster tool.
- Silent running on operation.
- Through drive override.
- Tube adaptors from 70mm Oct. to 4"9swg.
- Specifically designed to suit continental shutters.

Motor comes complete with:



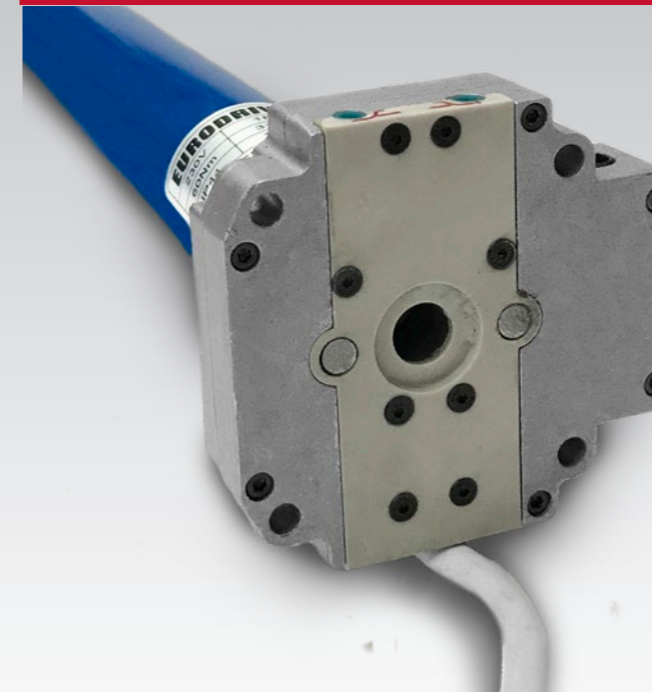
EUROBKT(STAR)



EUROBKT-DI



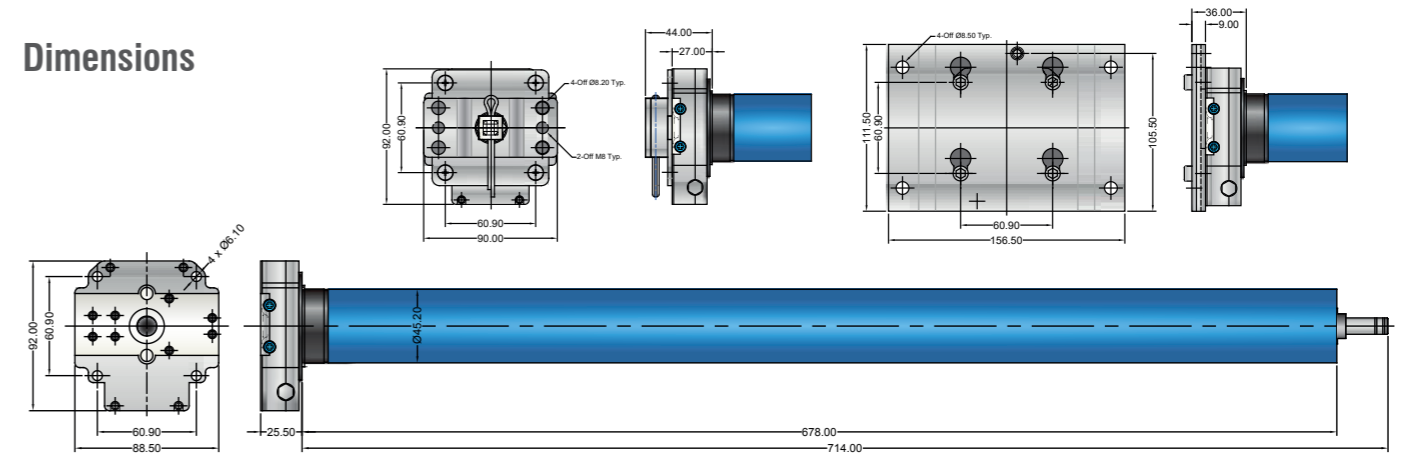
EUROEYE200



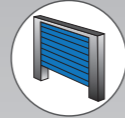
Technical Details

Technical Data	80 M/O
Torque	80 Nm
Power	370 W
Current	1.80 A
Voltage	230V 50Hz
R.P.M	15/min
Limit Turns	38
IP Rating	IP.44
Lifting Capacity	120Kg Ø 100mm

Dimensions



EURODRIVE 120 Non-Manual Override



Roller Shutters

120Nm

- 230V 50Hz Single phase motor.
- Supplied complete with limit adjuster tool.
- Silent running on operation.
- Without manual override.
- Tube adaptors from 70mm Oct. to 4"9swg.

Motor comes complete with:



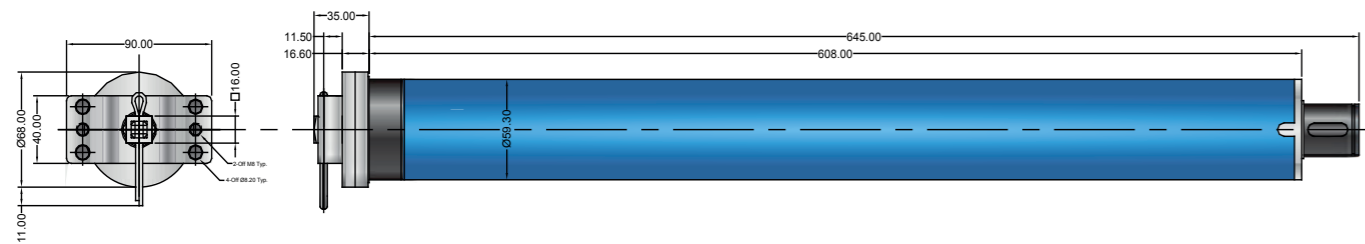
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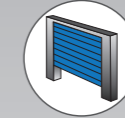
Technical Details

Technical Data	120 W/O
Torque	120 Nm
Power	450 W
Current	2.0 A
Voltage	230V 50Hz
R.P.M	12/min
Limit Turns	34
IP Rating	IP.44
Lifting Capacity	180Kg Ø 100mm

Dimensions (Including Mounting Bracket)



EURODRIVE 120 Through Drive Override



Roller Shutters

120Nm

- 230V 50Hz Single phase motor.
- Supplied complete with limit adjuster tool.
- Silent running on operation.
- Through drive override.
- Tube adaptors from 70mm Oct. to 4"9swg.
- Specifically designed to suit continental shutters.

Motor comes complete with:



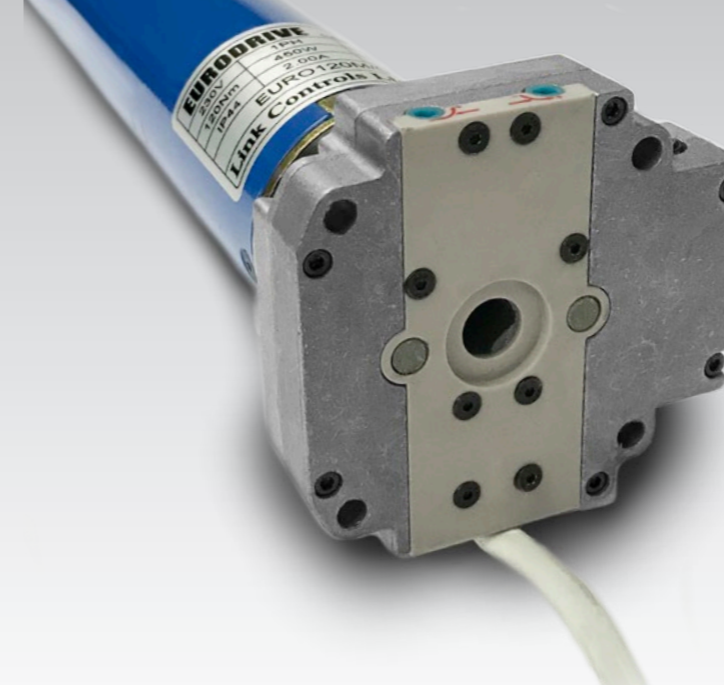
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EUROBKT-DI



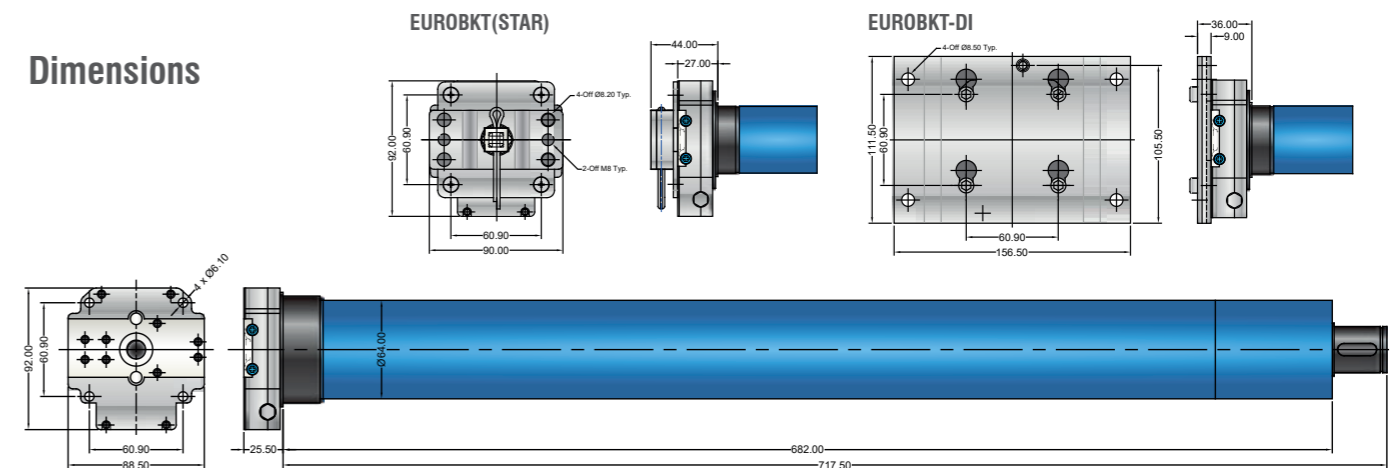
EUROEYE200



Technical Details

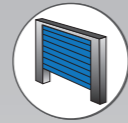
Technical Data	120 M/O
Torque	120 Nm
Power	450 W
Current	2.0 A
Voltage	230V 50Hz
R.P.M	12/min
Limit Turns	38
IP Rating	IP.44
Lifting Capacity	180Kg Ø 100mm

Dimensions



EURODRIVE 150

Through Drive Override



Roller Shutters

150Nm

- 230V 50Hz Single phase motor.
- Supplied complete with limit adjuster tool.
- Manual override.
- Tube adaptors to suit 4"16swg & 4"9swg.
- Specifically designed to suit continental shutters.

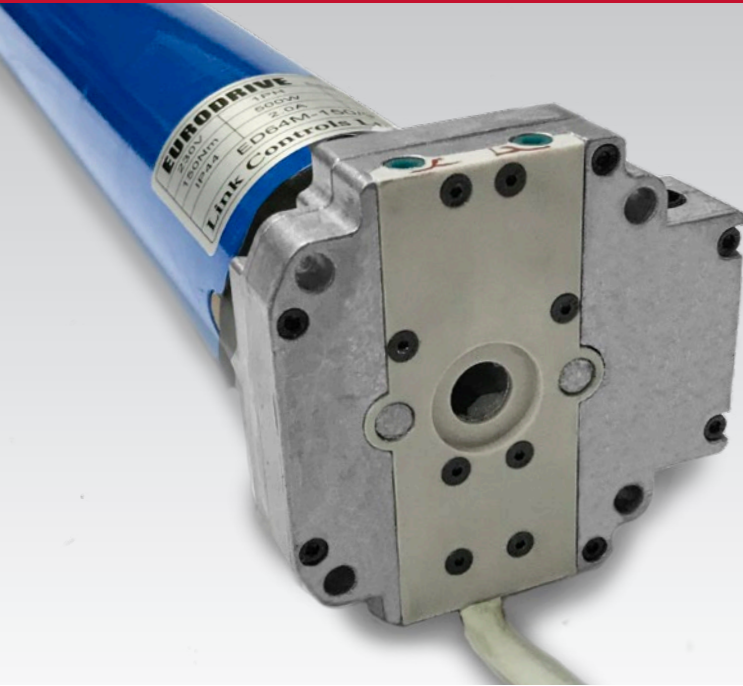
Motor comes complete with:



EUROBKT-DI

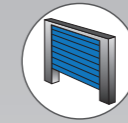


EUROEYE200



EURODRIVE 230

Direct Drive Manual Override



Roller Shutters

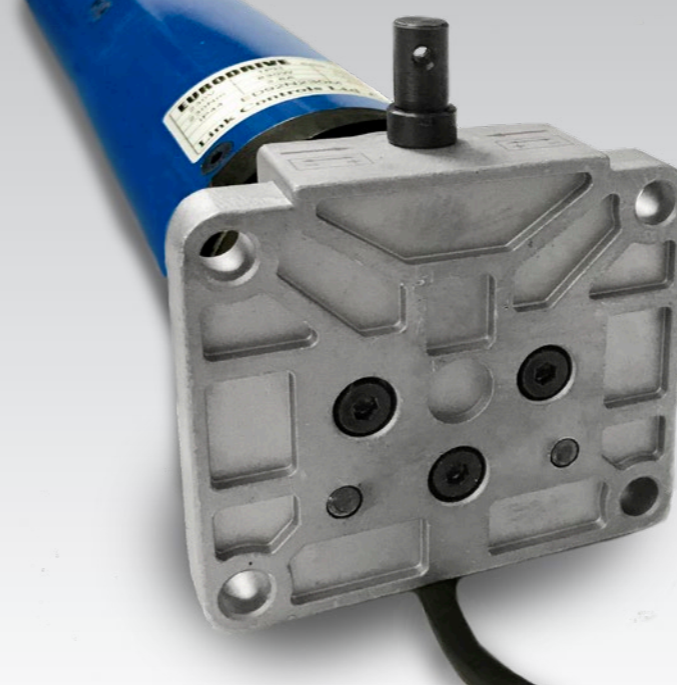
230Nm

- 230V 50Hz Single phase motor.
- Cog & Comb' adjustable limit switches.
- Integral thermal trip.
- Permanently engaged direct drive override.
- Tube adaptors from 4"16swg to 5"10swg.
- 53mm offset (does not require mounting bracket)

Motor comes complete with:



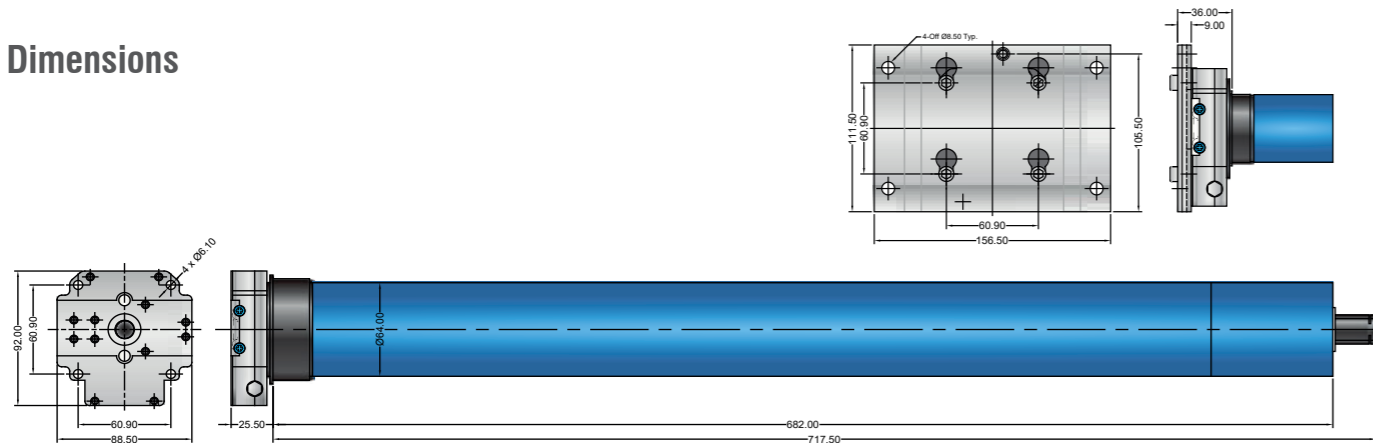
AM0938A



Technical Details

Technical Data	150 M/O
Torque	150 Nm
Power	500 W
Current	2.0 A
Voltage	230V 50Hz
R.P.M	9/min
Limit Turns	38
IP Rating	IP.44
Lifting Capacity	225Kg Ø 100mm

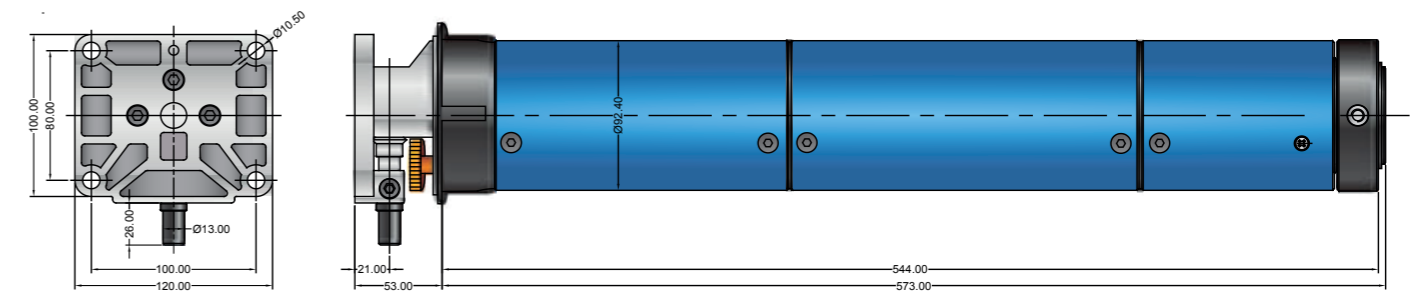
Dimensions



Technical Details

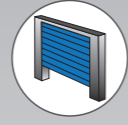
Technical Data	230 M/O
Torque	230 Nm
Power	830 W
Current	3.8 A
Voltage	230V 50Hz
R.P.M	12/min
Limit Turns	12
IP Rating	IP.44
Lifting Capacity	350Kg Ø 100mm

Dimensions



EURODRIVE 330

Direct Drive Manual Override

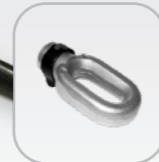


Roller Shutter

330Nm

- 230V 50Hz Single phase motor.
- 'Cog & Comb' adjustable limit switches.
- Integral thermal trip.
- Permanently engaged direct drive override.
- Tube adaptors from 4"16swg to 5.5"x5mm.
- 53mm offset (does not require mounting bracket)

Motor comes complete with:

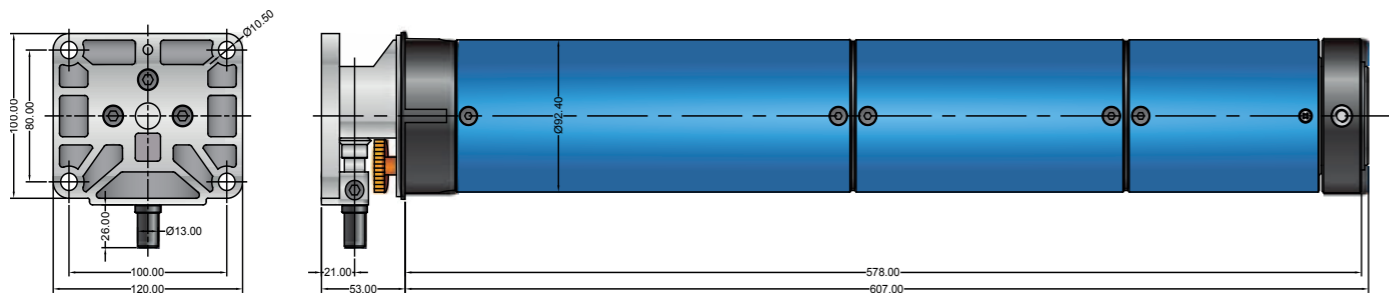


AM0938A

Technical Details

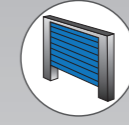
Technical Data	330 M/O
Torque	330 Nm
Power	980 W
Current	4.8 A
Voltage	230V 50Hz
R.P.M	8/min
Limit Turns	12
IP Rating	IP.44
Lifting Capacity	350Kg Ø 127mm

Dimensions



EURODRIVE 500

Pull-Engage Manual Override

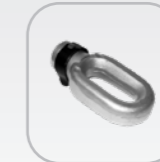


Roller Shutter

500Nm

- 230V 50Hz Single phase motor.
- Adjustable limit switches.
- Integral thermal trip
- Pull-Engage manual override.
- Tube adaptors from 5"10swg to 6 & 5/8"x5mm
- 65mm offset (does not require mounting bracket).

Motor comes complete with:

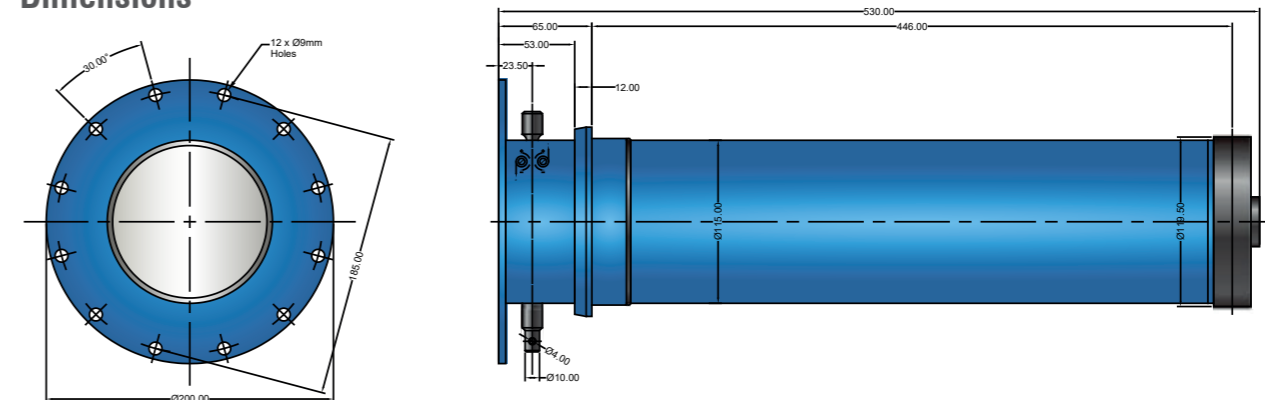


TECH-EYE

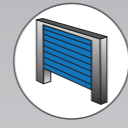
Technical Details

Technical Data	500 M/O
Torque	500 Nm
Power	1650 W
Current	7.2 A
Voltage	230V 50Hz
R.P.M	7/min
Limit Turns	28
IP Rating	IP.44
Lifting Capacity	490Kg Ø 127mm

Dimensions



EURODRIVE 110 Through Drive Override



Roller Shutters

110Nm

- 230V 50Hz Single phase motor.
- Supplied complete with limit adjuster tool.
- Through-Drive override
- Available to suit 4"9swg tube.
- 62mm offset (including mounting bracket).

Motor comes complete with:



EUROBKT(STAR)



MP2557FIRE

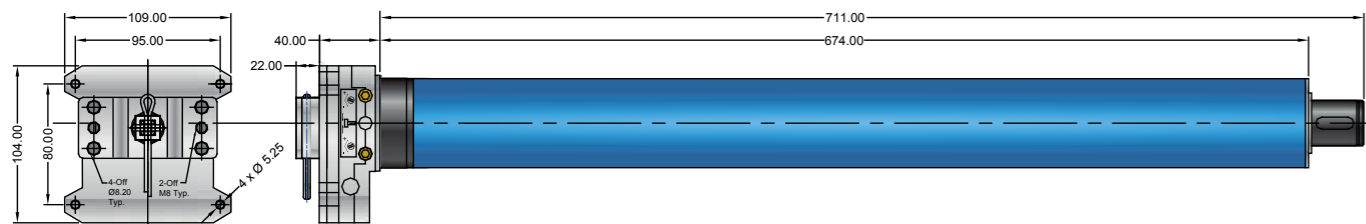


EUROEYE200

Technical Details

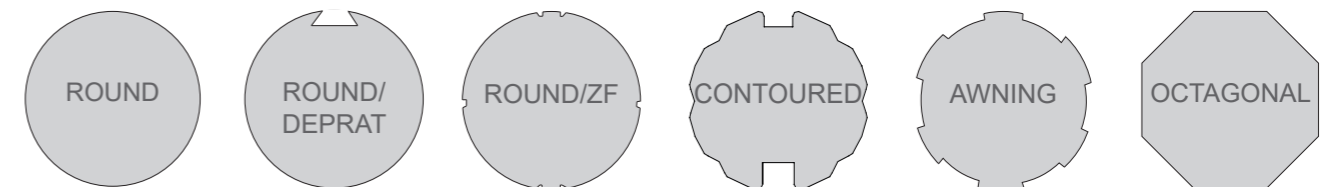
Technical Data	M1/110
Torque	110 Nm
Power	446 W
Current	2.01 A
Voltage	230V 50Hz
R.P.M	12/min
Limit Turns	12
IP Rating	IP.44
Lifting Capacity	170Kg Ø 100mm

Dimensions (Including Mounting Bracket)



EURODRIVE ADAPTORS Adaptor Types and Dimensions

PRODUCT CODE	TO SUIT TUBE SHAPE(S)	TO SUIT TUBE TYPE	OD OF ADAPTOR	EURO 12W/O	EURO 20W/O	EURO 40W/O	EURO 50W/O	EURO 60W/O	EURO 80W/O	EURO 120W/O	EURO 120M/O	EURO 150M/O	EURO 230M/O	EURO 330M/O	EURO 500M/O
ED0711	OCTAGONAL	40mm	38mm	●											
ED0715	ROUND	40mm	38mm	●											
ED0716	ROUND	50mm	48mm	●											
ED0903	ROUND/ZF	80mm	76mm		●	●	●	●							
ED0904	ROUND/DEPRAT	89/90mm	85mm		●	●	●	●							
ED0904A	CONTOURED	85mm	82mm		●	●	●	●							
ED0912	OCTAGONAL	70mm	67mm		●	●	●	●							
ED0913	ROUND/ZF	64mm	60mm		●	●	●	●							
ED0914	ROUND/DEPRAT	63mm	60mm		●	●	●	●							
ED0916	OCTAGONAL	60mm	57mm		●	●	●	●							
ED0920	ROUND	4"9swg	94mm		●	●	●	●							
ED0930	ROUND	4"16swg	97mm		●	●	●	●							
ED0949	OCTAGONAL	50mm	48mm		●	●	●	●							
ED0956	ROUND	60mm	56mm		●	●	●	●							
ED0966	CONTOURED	70mm	67mm		●	●	●	●							
ED0967	ROUND/DEPRAT	70mm	67mm		●	●	●	●							
ED0968	AWNING	70mm	67mm		●	●	●	●							
ED0976	ROUND/DEPRAT	78mm	75mm		●	●	●	●							
ED0976A	CONTOURED	78mm	75mm		●	●	●	●							
ED1248	OCTAGONAL	70mm	67mm							●	●	●	●		
ED1256	ROUND	4"16swg	97mm							●	●	●	●		
ED1257	ROUND	4"9swg	94mm							●	●	●	●		
ED1266	ROUND/DEPRAT	89/90mm	85mm							●	●	●	●		
ED1266A	CONTOURED	86mm	82mm							●	●	●	●		
ED1275	ROUND/DEPRAT	78mm	75mm							●	●	●	●		
ED1275A	CONTOURED	78mm	75mm							●	●	●	●		
ED3500A	ROUND	4"9swg	94mm											●	●
ED3501A	ROUND	4"16swg	97mm											●	●
ED3506A	ROUND	5"10swg	119mm											●	●
ED3510A	ROUND	5.25"8swg	123mm											●	●
ED3515A	ROUND	5.5"swg	128mm											●	●
ED5120	ROUND	5"10swg	119mm												●
ED5123	ROUND	5.25"8swg	123mm												●
ED5126	ROUND	5.5"5swg	126mm												●
ED5128	ROUND	5.5"8swg	128mm												●
ED5158	ROUND	6 5/8" / 168mm	158mm												●



For dimensions of individual adaptors, please download the tube motor adaptor booklet from our website

EURODRIVE BRACKETS

EURODRIVE 12 Brackets



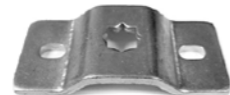
12 W/O Wall Bracket

Code: EURO12BKT(WALL)



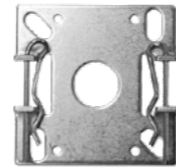
12 W/O Compact Bracket

Code: EURO12BKT(COMP)



20 & 50 W/O Star Bracket

Code: EURO50BKT



20 & 50 W/O Dom Bracket

Code: EUROBKT(DOM)

EURODRIVE 20-50 Brackets

EURODRIVE 40, 60, 80, 120 & 150 Brackets



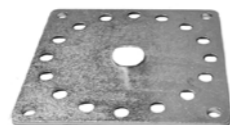
40, 60, 80 & 120 M/O Star Bracket

Code: EUROBKT(STAR)



40, 60, 80, 120 & 150 M/O Drop-In Flat Bracket

Code: EUROBKT-DI



40, 60, 80, 120 & 150 M/O Flat Bracket

Code: EUROBKT(FLAT)



40, 60, 80, 120 & 150 M/O Spigot Bracket

Code: EUROBKT(SPIG)

Misc EURODRIVE Brackets



20 & 50 W/O Top Hat Bracket

Code: EUROBKT(TOP)



20 & 50 W/O Adjustable Bolt Bracket

Code: EUROBKT(BOLT)



40, 60, 80, 120 & 150 M/O Angle Bracket

Code: EUROBKT(ANGLE)

EURODRIVE EQUIPMENT

Override Eyes



40, 60, 80, 120 & 150 Override Eye (100mm) [7mm]

Code: EUROEYE



40, 60, 80, 120 & 150 Override Eye (200mm) [7mm]

Code: EUROEYE200



40, 60, 80, 120 & 150 UVJ, Shaft & Eye (500mm) [7mm]

Code: EUROUVJ



230 & 330 UVJ, Shaft & Eye (480mm) [10mm]

Code: EUROUVJ-HD
*Requires 30-5015 Below

Sleeves



230 & 330 13mm Round-10mm Hex Sleeve

Code: 30-5015

Winding Handles



Eurodrive Winding Handle (1.4m) c/w 7mm Hex Output

Code: EUROCRANK



Articulated Winding Handle 1M, 1.25M & 1.8M

Code: 30-4995A, 30-4999A, 30-5001A

CONTROL EQUIPMENT

Keyswitches



16A Keyswitch
(Max 5A. Motor)
Code: 37-2001 (Random)
37-2101 (Identical)



32A Keyswitch
(Max 7.2A Motor)
Code: 37-2035



Lockable Keyswitch Box
Code: 37-2104

Control Panels



4 Way Group Controller
230VAC
Code: AE0449



6 Way Group Controller c/w
Built-In Receiver 230VAC
Code: GROUP6-RC



10 Way Group Controller c/w
Built-In Receiver 230VAC
Code: GROUP10



EUROFITTER
Tube Motor Fitters Aid
Code: EUROFITTER

Control Panels



UPS Fire Door Interface c/w
RJ11 for 'Sleep Mode'
Code: UPS-FDI



AE0900 Rolling Code
Receiver Kit
Code: AE0900



AE0900L Rolling Code
Receiver c/w Light Kit
Code: AE0900L



AV POWER 500NM Tube Motor
Deadman Controller
Code: AV POWER

Keypads



V42 2 Code, backlit IP54,
12/24AC/DC
Code: 97-K42



Rolling Code Wireless Keypad
*Requires AE0900/L
Code: 97-RK3



KC3 Keypad and Decoder
Code: 37-4009

Photocells



Photocell & Round Reflector
Kit
Code: 33-1005



Photocell & Square Reflector
Kit
Code: 33-1009

Rocker Switches



Rolling Code Wireless Rocker
Switch *Requires AE0900/L
Code: AE0907



Rocker Switch
1 Gang or 2 Gang
Code: AE0350 or AE0351

Miscellaneous



UPS Battery Back Up
Systems
Code: See Pages 28-29

AE0901 2 Button , Single Channel Transmitter, Rolling

Stock Code: AE0901



LED Signal
LED light to show transmission of transmitter signal

Product Features

- LED signalling the transmission.
- 2 Button Transmitter
- Hidden key for the learning at distance of following transmitters

Hidden Key
for the learning at distance of following transmitters

Technical Details	
Frequency	433.92 MHz
Channels	1 Channel (1 x Open, 1 x Close)
Coding	Rolling code
Power supply	12 Vdc
Average absorption	18 mA
Dimensions	40×63×17mm
Buttons	2

AE0905 3 Button, 12 Channel Transmitter, Rolling

Stock Code: AE0905



LED Signal
LED light to show transmission of transmitter signal

Product Features

- LED signalling the transmission.
- 3 Button Transmitter
- Hidden key for the learning at distance of following transmitters

Hidden Key
for the learning at distance of following transmitters

Technical Details	
Frequency	433.92 MHz
Channels	12 Channel (12 x Open, 12 x Close)
Coding	Rolling code
Power supply	12 Vdc
Average absorption	18 mA
Dimensions	40×63×17mm
Buttons	3 + Round LCD Screen

AE0904 4 Button, 2 Channel Transmitter, Rolling

Stock Code: AE0904



LED Signal
LED light to show transmission of transmitter signal

Product Features

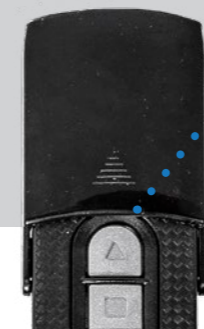
- LED signalling the transmission.
- 4 Button Transmitter
- Hidden key for the learning at distance of following transmitters

Hidden Key
for the learning at distance of following transmitters

Technical Details	
Frequency	433.92 MHz
Channels	2 Channel (2 x Open, 2 x Close)
Coding	Rolling code
Power supply	12 Vdc
Average absorption	18 mA
Dimensions	40×63×17mm
Buttons	4

AE0911 3 Button, Single Channel Transmitter, Rolling

Stock Code: AE0911



LED Signal
LED light to show transmission of transmitter signal

Product Features

- LED Signalling the transmission.
- 3 Button Transmitter
- Hidden key for the learning at distance of following transmitters

Hidden Key
for the learning at distance of following transmitters

Technical Details	
Frequency	433.92 MHz
Channels	1 Channel (1 x Open, 1 x Close, 1 x Stop)
Coding	Rolling code
Power supply	3 Vdc
Average absorption	20 mA
Dimensions	32×62.4×10mm
Buttons	3

UPS Battery Back-Up System



- Pure sine wave output.
- High efficiency.
- Sleep mode for extended standby times of DAYS not hours.
- Over 15% more power than similar units.
- Reduced size & weight by nearly 50%.
- Wide input voltage range.
- LCD display with clear, real, easy to read text.
- USB connectivity (lead & software optional).
- Plug & play connections.
- Remote on / off via RJ11 connector
- Standard IEC mains connector.
- Overload, battery discharge and overcharge protection.
- Fully CE & RoHS compliant

UPS MODEL	SUITABLE FOR MOTOR UP TO
UPS-1000VA	EURODRIVE 120
UPS-1500VA	EURODRIVE 150
UPS-2000VA	EURODRIVE 230
UPS-3000VA	EURODRIVE 500

The **Marantec** UPS includes AVR (Automatic Voltage Regulation) as standard, which enables the UPS to regulate a precise output voltage without switching to battery power, even if the input voltage fluctuates by as much as 30% from normal. As a result, this wide input voltage feature extends battery life ensuring the batteries are in prime condition and fully charged to offer maximum runtime should the mains power completely fail.

By utilising the more efficient pure sine wave technology and not the inferior Pseudo-sine wave we have achieved a more compact and powerful unit than the competition. For example:-

Typical UPS 1000VA pseudo-sine wave	600 Watts
Marantec 1000VA pure sine wave	700 Watts +15% more power

Pure sine wave technology simulates the normal mains supply resulting in a smooth motor operation, unlike pseudo-sine that will reduce the motor lifting capacity and can result in noisy or even damaged equipment. Sleep mode now available on all UPS systems.

**Ensuring
Effective
High Quality Protection
For ALL
Automation**

UPS Battery Back-Up System

MODELS	UPS-1000VA	UPS-1500VA	UPS-2000VA	UPS-3000VA
Power (VA) Max	1000	1500	2000	3000
Power (Watts)	700	1050	1400	2400
INPUT				
Input Voltage	220/230/240 VAC			
Input Voltage Window	162-290 VAC	162-290 VAC	162-290 VAC	110-300VAC
Input Frequency	50/60Hz (Auto Sensing)			50/60Hz (+/- 1%)
OUTPUT				
Voltage Regulation	+/- 10% (Battery Mode)			+/- 1%
Frequency Regulation	+/- 1Hz (Battery Mode)			
Transfer Time Typical	Typical 2-6mS; 10mS Max			0mS
Waveform	Pure Sine wave (Battery Mode)			
PROTECTION				
Full Protection	Overload, Battery discharge and Overcharge Protection			
DISPLAY				
LCD Display	AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault & Battery Low			
FEATURES				
	Off-Mode Charging, AVR, Auto-restart, Cold Start, USB, LCD Display			
BATTERY				
Type & Number	12V 7.2ah x 2	12V 9ah x 2	12V 9.6ah x 2	12V 9.6ah x 6
Charging Time	6 hours recovery to 90%			
MECHANICAL				
Dimensions (WxDxH)*	146 x 350 x 160	246 x 397 x 205	246 x 397 x 205	190 x 330 x 393
Net Weight (KG)	9	13	14	23
Battery Protected Outputs	3	3	3	4x10A + 1x16A
Surge Protected Outputs	1	1	1	0
ENVIRONMENT				
Operating Temperature Range	0°C - 40°C			
Humidity	0-90% Relative Humidity (Non Condensing)			
SOFTWARE				
Connection	USB Connectivity			
Operating System	Supports Windows2008/Windows 7/Windows 8/Windows 10, Linux, Unix & MAC			

Safety Brakes



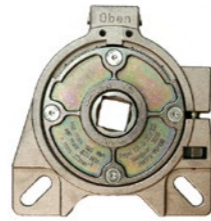
TSNO Safety Brake

Code: 29-0149



TAO-RD/X Safety Brake

Code: 29-0148



TAO-RD/Z Safety Brake

Code: 29-0150



TC 1/2 RD Safety Brake

Code: 29-0139

Shafts & Discs



Mounting/Spacing Plate (X or Z Brake)

Code: 29-0144 or 29-0147



18mm Square Shaft & Discs to suit 90-101.6mm Tube

Code: VARIES



30mm Bore Discs to suit 101.6-139.7mm Tube

Code: VARIES



30mm Keyed Shaft

Code: 29-1030

Dummy Ends



Shaft & Disc Dummy End to suit 90-139.7mm Tube

Code: VARIES



Lost Bobbin Dummy End to suit 90-127mm Tube

Code: VARIES



APPLICATION

Control unit for manual control of 2, 3 or 4 230Vac motors with a maximum load of 6.3A.

CONTROL PANEL POWER SUPPLY

230 Vac

MOTORS POWER SUPPLY

230 Vac (Max EURO 330)

INPUTS:

Open and close.

MASTER KEYSWITCH:

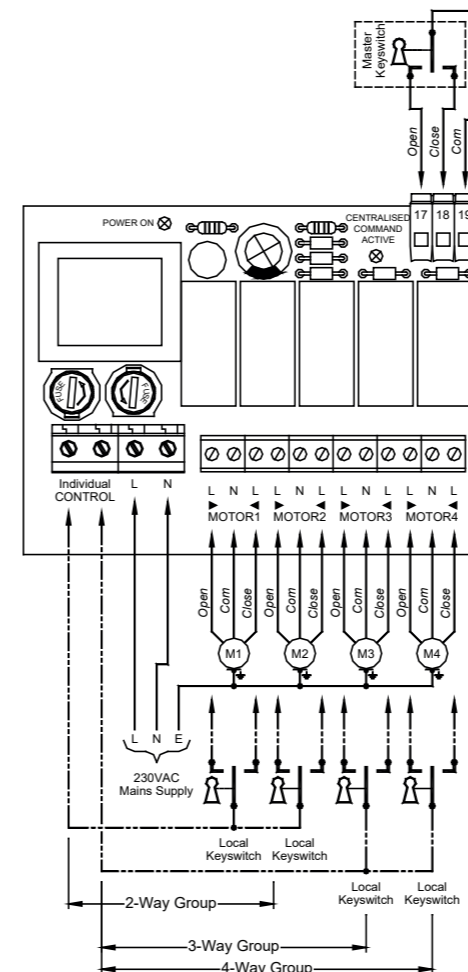
Enables all the tube motors to be operated simultaneously.

INDIVIDUAL KEYSWITCHES:

Enables individual operation of tube motors via their corresponding keyswitch.

INSTALLATION INSTRUCTIONS

1. For wall mounting, loosen the four screws securing the lid and tilt to allow access, taking care to not damage the hinges.
2. Mark up the mounting hole centres at a suitable height & location, which is free from excessive vibration.
3. Note: 4 off M4 fixings @ 194 x 140mm
4. Drill holes for M4 fixings plugs.
5. Caution! In order to prevent PCB damage, remove the main circuit board via the fixing screws.
6. Use a flat-bladed screwdriver to knock out the four slots provided for enclosure fixing.
7. Ensure that the control panel is free from debris (swarf, dust, etc.) before wall mounting.
8. Replace PCB & refer to wiring instructions.



WIRING INSTRUCTIONS

Note: Connect ALL tube motor earth wires together and wire to ground (PE).

1. Power Supply: Connect a 230VAC power supply, as shown.
 2. Master Keyswitch: Connect as shown.
- Note: The maximum total load for the Group Control is 6.3A.
3. Connect the tube motors and individual keyswitches as shown.
- Note: If a tube motor operates in the wrong direction, swap the appropriate Black & Brown wires.
- Note: The maximum current for each output is 5A.

6 WAY GROUP CONTROLLER (GROUP6-RC)

230 Vac Control Panel
Technical Wiring Assistance



APPLICATION

Control unit for 6 230Vac motors with a maximum load of 15A, c/w Incorporated radio receiver.

CONTROL PANEL POWER SUPPLY

230 Vac

MOTORS POWER SUPPLY

230 Vac (Max EURO 330)

INPUTS:

Open, stop, close.

FEATURES:

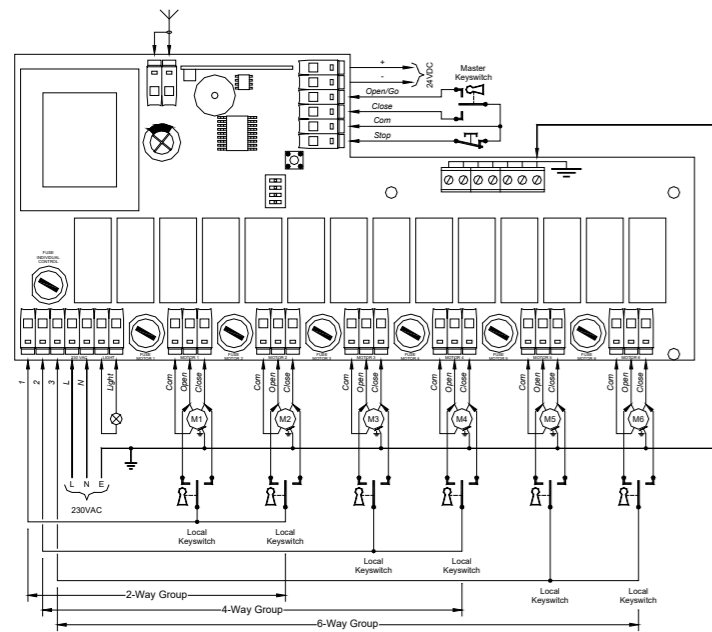
- 433.92 MHz rolling code radio receiver
- Upto 1000 maximum number of stored transmitters

OUTPUTS:

- Courtesy light 230Vac, 24Vdc.
- Output 230 Vac for the single command of the motors protected by a fuse and disabled when a collective command is given.

INSTALLATION INSTRUCTIONS

1. For wall mounting, loosen the four screws securing the lid and tilt to allow access, taking care to not damage the hinges.
2. Mark up the mounting hole centres at a suitable height & location, which is free from excessive vibration.
3. Note: 4 off M4 fixings @ 194 x 140mm
4. Drill holes for M4 fixings plugs.
5. Caution! In order to prevent PCB damage, remove the main circuit board via the fixing screws.
6. Use a flat-bladed screwdriver to knock out the four slots provided for enclosure fixing.
7. Ensure that the control panel is free from debris (swarf, dust, etc.) before wall mounting.
8. Replace PCB & refer to wiring instructions.



WIRING INSTRUCTIONS

Note: Connect ALL tube motor earth wires together and wire to ground (PE).

1. Power Supply: Connect a 230VAC power supply, as shown (Max 16A).
2. Master Key Switch: Connect as shown, leaving link fitted between 'A' & 'B' if no 'Stop' pushbutton is used.
Note: The maximum total load for the Group Control is 15A.
3. Connect the tube motors and individual key switches as shown.
Note: If a tube motor operates in the wrong direction, swap the appropriate Black & Brown wires.
Note: The maximum current for each output is 5A.

10 WAY GROUP CONTROLLER (GROUP 10)

230 Vac Control Panel
Technical Wiring Assistance



APPLICATION

Control unit for 10 230Vac motors with a maximum load 15A, c/w Incorporated radio receiver.

CONTROL PANEL POWER SUPPLY

230 Vac

MOTORS POWER SUPPLY

230 Vac (Max EURO 330)

INPUTS:

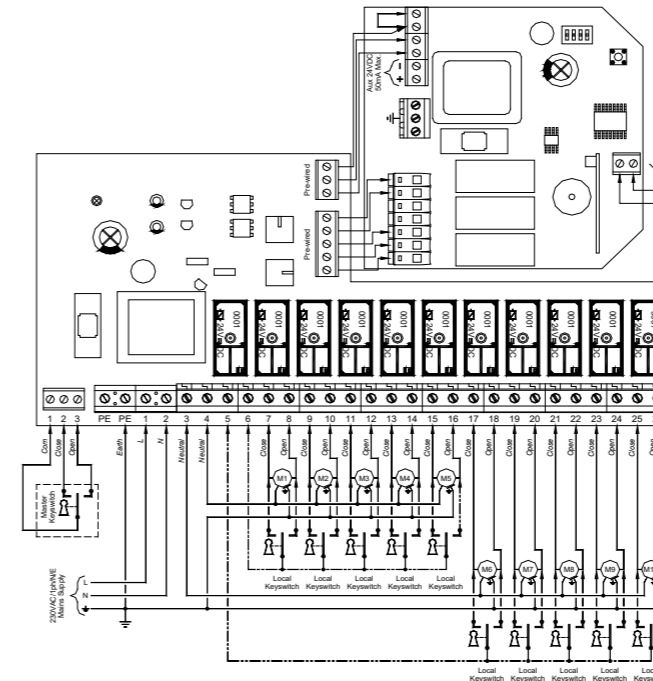
Open and close.

FEATURES:

- 433.92 MHz rolling code radio receiver
- Upto 1000 maximum number of stored transmitters

INSTALLATION INSTRUCTIONS

1. For wall mounting, loosen the four screws securing the lid and tilt to allow access, taking care to not damage the hinges.
2. Mark up the mounting hole centres at a suitable height & location, which is free from excessive vibration.
3. Note: 4 off M4 fixings @ 194 x 140mm
4. Drill holes for M4 fixings plugs.
5. Caution! In order to prevent PCB damage, remove the main circuit board via the fixing screws.
6. Use a flat-bladed screwdriver to knock out the four slots provided for enclosure fixing.
7. Ensure that the control panel is free from debris (swarf, dust, etc.) before wall mounting.
8. Replace PCB & refer to wiring instructions.



WIRING INSTRUCTIONS

Note: Connect ALL tube motor earth wires together and wire to ground (PE).

1. Power Supply: Connect a 230VAC power supply, as shown.
2. Master Key Switch: Connect as shown.
Note: The maximum total load for the Group Control is 15A.
3. Connect the tube motors and individual key switches as shown.
Note: If a tube motor operates in the wrong direction, swap the appropriate Black & Brown wires.

AE0900L / AE0900

Rolling Code Receiver

Technical Wiring Assistance

EUROFITTER

Tube Motors Fitter Aid

Technical Wiring Assistance

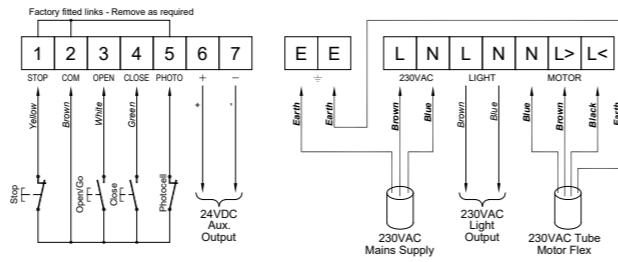
AE0900 Rolling Code Receiver - Installation/Wiring Instructions

- Fix the control panel to the wall using the 4 mounting holes provided, taking care not to damage the circuit board.
- The wiring should be fed through the grommets provided at the bottom of the panel.
The 230VAC mains supply should be fed from a suitable fused supply and connected to terminals 'L', 'N' & 'PE', as shown. Alternatively, use the plug (if supplied).
- The motor can now be wired by connecting the motor flex's blue, brown, black & green/yellow wires, as shown.
Note:- The maximum load for the motor is 1000W.
- If a courtesy light is required then this can be wired into the 'LIGHT' terminals. The light will remain active for a 3min. period.
Note:- The maximum load for the light output is 500W.
- Any accessories can now be connected (e.g. keyswitch, safety brake switch, safety edge, photocell, etc.).
If the motor runs in the wrong direction (for example if the motor closes when the photocell is broken), then interchange the brown & black motor wires.

Programming the Handsets

AE0911 (3 Button: Open - Stop - Close)

- Press and release the 'Radio Learn' button (top right of the circuit board).
- The receiver will 'Beep' slowly to indicate Programming mode.
- Press and release all three handset buttons in sequence the receiver will 'Beep' with each button press.
i.e. Press Open - 'Beep', then Stop - 'Beep' and finally Close - 'Beep', all within 3 seconds of each other.
Note:- The first button pressed will always be the 'Open' direction.
- The receiver will give 2 long 'Beeps' and the handset is now learnt.
- The receiver will then give 2 short 'Beeps' as the receiver exits the Programming mode.
- Repeat the process above for any additional handsets.



Programming New Handsets Using a Working Handset

Caution! If the hidden button is pressed for more than 1 second (i.e. several seconds) this can erase ALL of the handset.

- Stand as close as possible to the receiver (in working range of the handset), so the receiver 'Beep' is audible.
- Using a paperclip press and release the hidden button on a working handset through the small hole.
(Bottom right of the AE0911 and bottom left of the AE0901).
- The receiver will 'Beep' slowly to indicate Programming mode.
- Program the new handset by repeating Steps 3-6 of the relevant handset programming instructions.

Erasing all of the Handsets

- Remove the power from the Receiver.
- Press and hold the 'Radio Learn' button.
- Reapply the power whilst holding the 'Radio Learn' button.
- The receiver will 'Beep' for 3 seconds.
- When the 'Beep' stops, release the 'Radio Learn' button.
- Memory is now erased.

D.I.L. Switch Functions

- | | | |
|------|----------------------------------|--|
| DIL1 | : DEADMAN OPEN | - Open only whilst the handset is pressed |
| | : IMPULSE OPEN | - Open automatically on one press of the handset |
| DIL2 | : DEADMAN CLOSE* | - Close only whilst the handset is pressed |
| | : IMPULSE CLOSE | - Close automatically on one press of the handset |
| DIL3 | : ADJUSTABLE RUN TIMER | - Run in the open or close direction for the time set using the pot. (1-90s) |
| | : INFINITE RUN TIMER | - Run in the open or close direction until a stop command is received |
| DIL4 | : OPEN FUNCTION | - One button for OPEN (and Stop closing) |
| | (suitable for 3-button handsets) | - One button for CLOSE (and Stop opening) *3rd button not used |
| | : GO FUNCTION | - One button for GO (Open-Stop-Close-Stop sequence) |
| | (suitable for 2-button handsets) | - One button for STOP |

*IMPORTANT!

The Deadman Close function must be selected when the safeguarding of the main closing edge cannot be guaranteed, for example on a shop doorway (EN 12453).

Note:- The 'GO FUNCTION' is only possible if DIL switches 1 & 2 are both set to IMPULSE.

The 'OPEN' pushbutton input will also act as a 'GO FUNCTION' if this function is enabled.

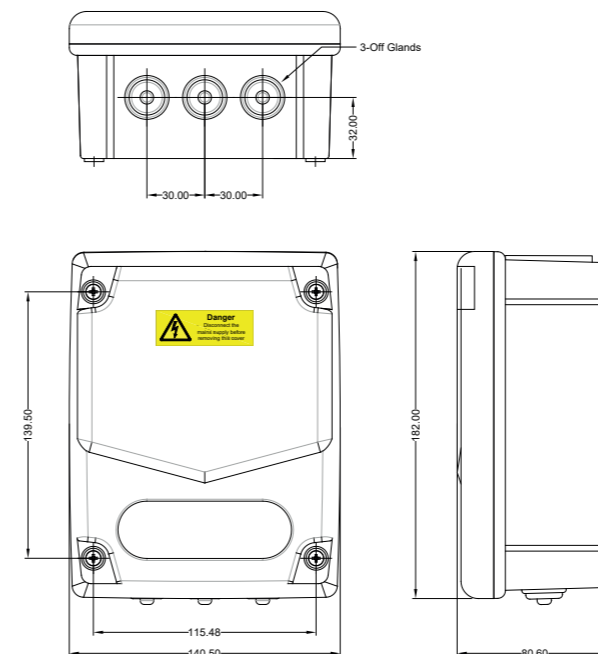
The 'CLOSE' pushbutton input will always act as a close.

Adjustable Run Timer Potentiometer

If selected (DIL3 OFF), the motor will run for the time set by the potentiometer (1-90s). This should be set for a few seconds longer than the door takes to open or close. This will allow the photocell / safety edge to be disabled when the door is fully closed - preventing the door from accidental re-opening.



Technical Details	
Power Supply	230VAC ±10% / 50Hz
Fuse Protection	6.3A
Control Voltage	24VDC
IP Rating	54/65



APPLICATION

A low voltage fitters aid

CONTROL PANEL POWER SUPPLY

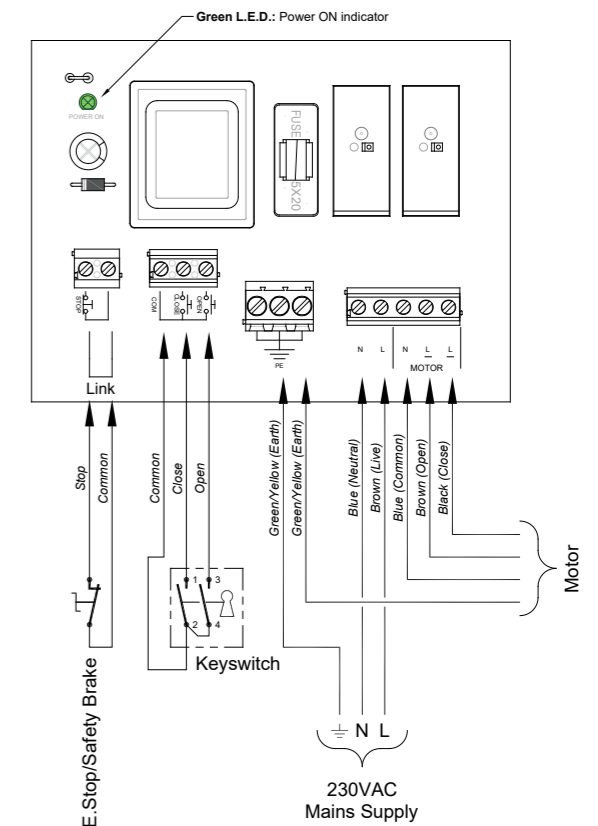
230VAC ±10% / 50Hz

MOTORS POWER SUPPLY

230Vac (Max EURO 330)

FEATURES:

- Low voltage 24v Keyswitch / Rocker Switch control
- Easy to use and install
- Simple wiring solution for roller shutter installations
- CE Compliant
- Open/Close terminals (eg for keyswitch, rocker switch etc)
- Stop Circuit terminals (eg for safety brakes etc)
- Suitable for EURODRIVE tube motors up to EURO330M/O
- Complete with pre-wired 1.25m flex and UK Plug
- Power ON indicator L.E.D.
- IP54/65 (with suitable cable glands)





INSTALLATION WIRING INSTRUCTIONS

1. Fix the control panel to the wall using the 4 mounting holes provided, taking care not to damage the circuit board.
2. The wiring should be fed through the grommets provided at the bottom of the panel. The 230VAC mains supply should be fed from a suitable fused supply and connected to terminals 'L', 'N' & 'PE', as shown. Alternatively, use the plug (if supplied).
3. The motor can now be wired by connecting the motor flex's blue, brown, black & green/yellow wires, as shown. Note: The maximum load for the motor is 2500W.
4. Any accessories can now be connected (e.g. keyswitch, safety brake switch, photocell etc.). If the motor runs in the wrong direction, then interchange the brown & black motor wires.



Operation as a Simple Tube Motor Controller

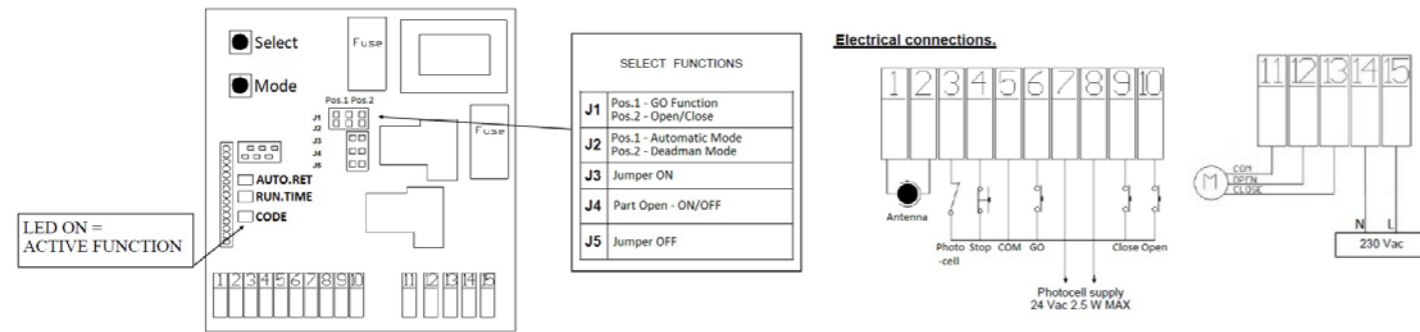
1. The door will open & close via the keyswitch in Deadman mode (i.e. Hold-to-Run).
2. If the door travels in the wrong direction, simply swap the black & brown motor wires around.

Operation as a Simple Fire Door Interface

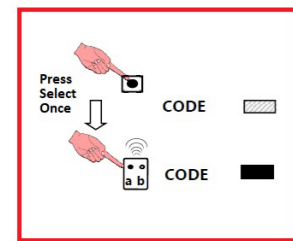
1. The door will open & close via the keyswitch in Deadman mode (i.e. Hold-to-Run).
2. If the door travels in the wrong direction, simply swap the black & brown motor wires around.
3. Upon receipt of either a volt-free or a 24VDC fire signal, the door will travel in the selected direction. The door will be inoperable until the fire signal is removed.
4. If the door travels in the wrong direction upon receipt of a fire signal then simply change the direction via the 'fire signal direction switch'.

Operation with UPS (Battery Back-up)

1. Connect the mains in lead from the UPS into a suitable fused spur or socket that is always on.
2. Connect from a 230VAC power outlet (socket) on the rear of the UPS to terminals 'L', 'N' & 'E'.
3. Plug in the RJ11 lead provided with the UPS into the RJ11 'IN' socket in the top right of the board and the other end into the RJ11 'IN' socket on the rear of the UPS.
4. Ensure the UPS mains ON/OFF switch is set to the 'OFF' position for 'sleep' mode

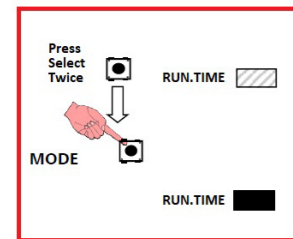


In 'sleep' mode the UPS will be turned off and only become 'live' when a command is given to the FDI-UPS controller. This will ensure that the UPS can provide the maximum standby time by using power only when required. This will allow a fully charged UPS to provide a supply for several days after a power failure. When the mains supply is healthy the UPS will become 'live' almost immediately and power the motor. If a power failure occurs, there will be an approx. 3 second delay for the UPS to fully 'wake up' before the motor will run. This 3 second delay also acts as a warning that there may be a problem with the mains supply to the UPS.



LEARN REMOTE TRANSMITTER:

1. Press the SELECT button once, the CODE LED FLASHES.
2. Press the "a" BUTTON ON THE TRANSMITTER. The control unit also automatically stores the "b" button (which may be used as a partial open). When the CODE LED remains ON learning is completed.



DELETE:

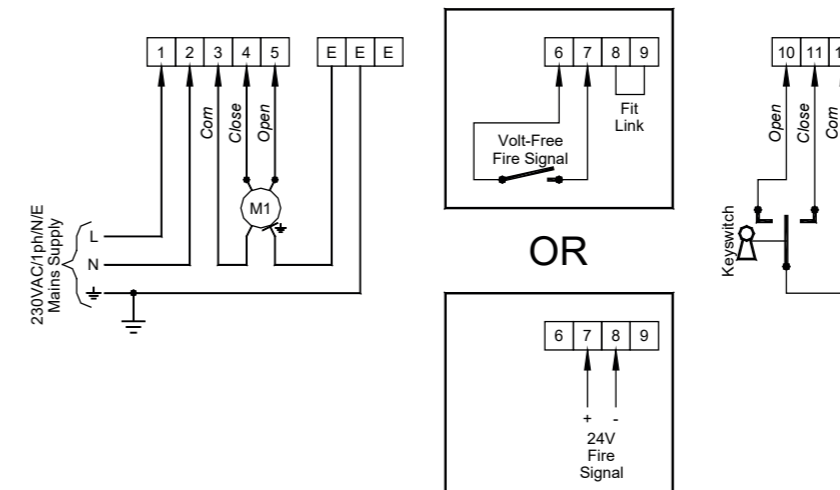
1. Press the SELECT button until the CODE LED FLASHES.
2. Press the MODE button. All the LEDs light up and at the end all the codes of the radio controls learned will be deleted (the CODE LED remains off).

Programming running time from 1 sec to 3 min.

The control unit comes with a working time of 3 min.

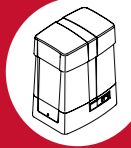
RUNNING TIME SETTING:

1. Move door to close position.
2. Press the SELECT button TWICE. The LED RUN.TIME Flashes.
3. Press and hold the MODE button: the door opens. Keep MODE pressed until the door is fully open then RELEASE. Running time is now learnt
4. The RUN.TIME LED flashes for a few seconds, then the door closes, after which it stays on permanently



Marantec UK

Automation for all types of doors & gates



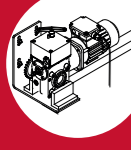
1. Gate and Barrier Operators

Security is a main attribute to any property, control who enters a property with a sliding/swing gate or traffic barrier.



3. Control Panels

Marantec UK now supply the CS, WU and VST panels which provide a multitude of access, safety and security features. Accessories can be provided to complement the panels.

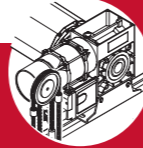


5. Sliding/Folding Operators

Sliding folding doors operate horizontally and are supported at the top with a guide rail in the floor. Generally these are driven by a top hung endless drive chain. Sliding doors are normally of a heavy construction and are used in wide openings or where the installation may be subjected to high wind loading.

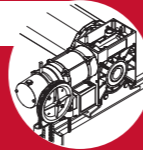
2. Roller Shutter Operators

Roller shutters are very common in industrial sectors with it's low cost and economical values. Marantec UK has a comprehensive range of rolling operators may it be sprung (CDO Range) or unsprung (MDF Range).



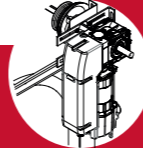
4. Rapid Roll Operators

Looking for an operator that is to be used frequently or wanting to keep in control of room temperatures? Marantec UK offers a range of rapid roll operators that will keep traffic flowing and save energy.



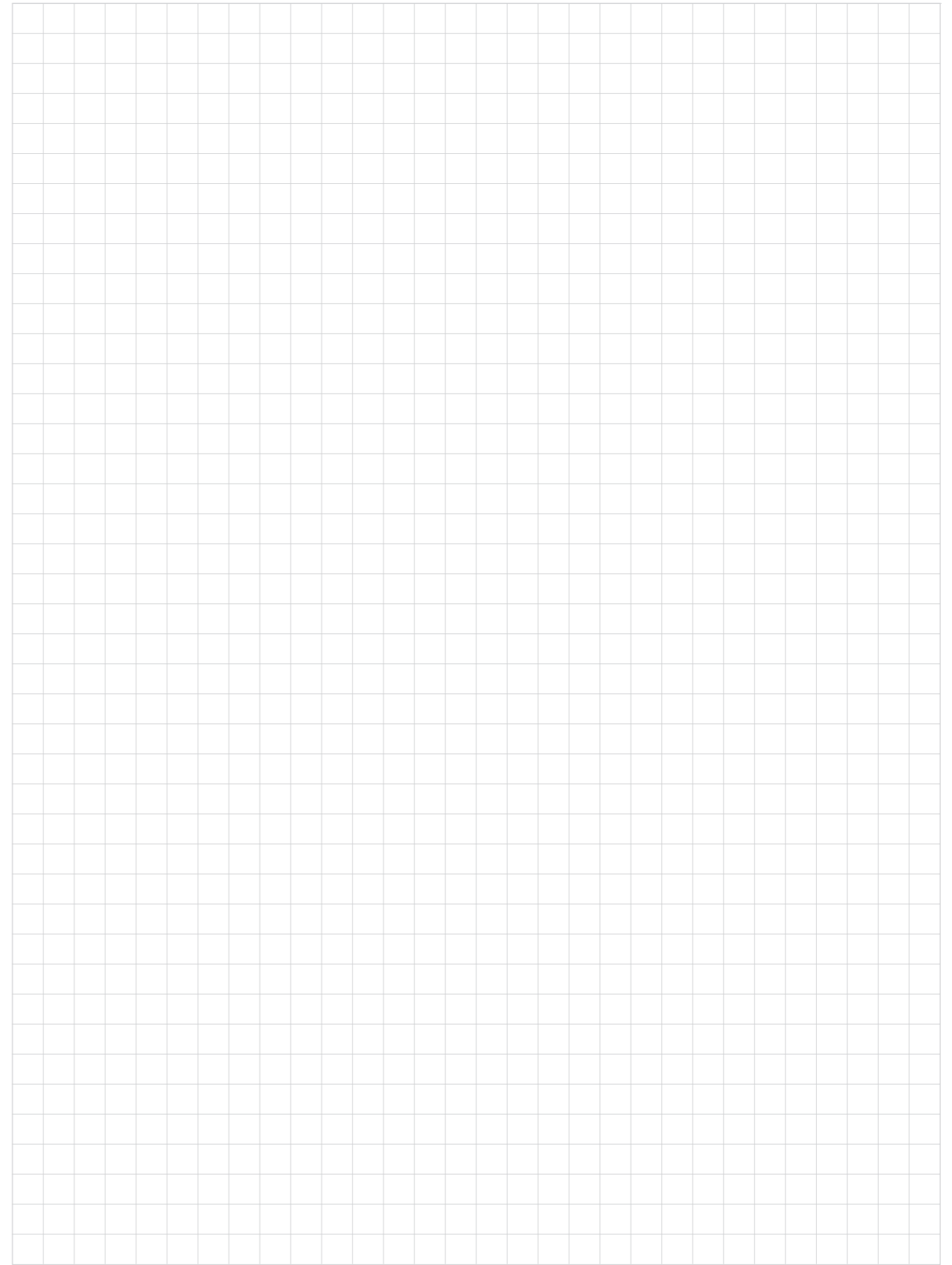
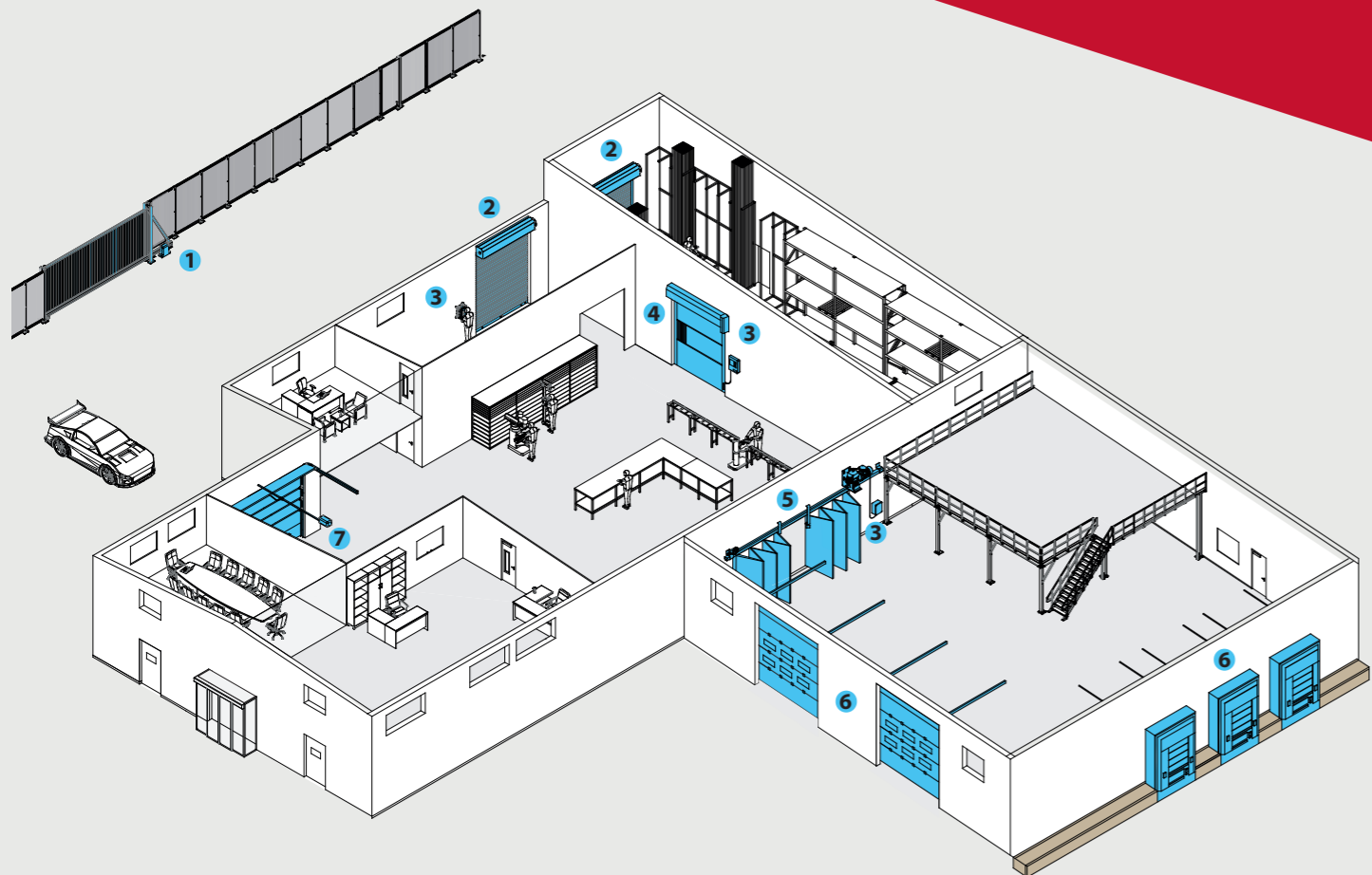
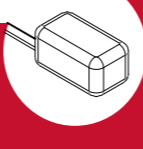
6. Sectional Door Operators

The sectional door has become more popular in recent years with its improved level of insulation and faster operating speed. Sectional doors can be adapted to suit various industrial solutions.



7. Garage Door Operators

Wanting to keep cars safe and locked away? Marantec UK provides the latest garage door technology from Marantec. The comfort range offers quick installations, efficient opening times and wireless opening methods.





Roller Shutter Door Operators

Flangemount, Footmount & Direct Drives, Control Panels, Accessories

Sectional Door Operators

Hollow Bore Overhead Door Operators, Accessories

Sliding / Folding Door Operators

TVRFC Sliding and Folding Door Operators, Fast Fold Bi Folding Door Opener, Accessories

Control Panels & Accessories

1ph & 3ph Multifunction Control Panels, Dock Levellers, Loop Detectors, Keypads, Custom Build Control Panels, Keyswitches and More.

Fire Door Operators

NBG Fire Door Operators, Bracket Packs, Accessories, Audio Visual Interface Panels

Hazardous Area Equipment

Flangemount, Direct Drives, Sectional Door Drives, ZONE 1 and 2 or 21 and 22, IIB GD, T4 rated.

High Speed Door Operators

Rapid Roll Door Drives, Speedlink Inverters, Control Panels, Accessories



Tubular Motors

EURODRIVE Range 12Nm to 500Nm, Barrel Assemblies, Battery Back-Up, Accessories

Gates & Barriers

Swinging Gate Drives, Sliding Gate Drives, Road Traffic Barriers, Accessories



Certification Number 10668
ISO 9001

Garage Door Operators

Marantec COMFORT Garage Door Openers, Bi-Linked Technology and Accessories.

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