

PRODUCT TECHNICAL DATASHEET

PRESTO



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SWING



SLIDING



CANTILEVER



PRESTO BE20

BE20/200/HS

Electromechanical HIGH SPEED BRUSHLESS motor, low voltage, super intensive use, ideal for swing gates up to 200kg and 2.5m wide with built in digital controller.

BE20/400

Electromechanical actuator BRUSHLESS, low voltage, super intensive use, irreversible, ideal for swing gates up to 400kg and 4m wide with mechanical stopper in opening and closing.



Brushless



Intensive Use



High Speed



Digital Encoder

	BE20/200/HS	BE20/400
Max Gate Weight	200 kg	400 kg
Maximum Gate Length	2.5m per leaf	4m per leaf
Power Line Supply	230V AC - 50Hz	230V AC - 50Hz
Motor Power Supply	36V	36V
Power Rating	200W	200W
Duty Cycle	100% Intensive Use	100% Intensive Use
Thrust	100 - 2200N	100 - 2800N
Operating Temperature	-20+55°C	-20+55°C
Protection Level	IP43	IP43
Reductor Type	Irreversible	Irreversible
Manoeuvre Speed	3 cm/s	1.66 cm/s
Opening Time at 90°	10-15 s	17-26 s
Stroke	400mm	550mm
Mechanical Stopper	Worm drive with mechanical stopper in opening and closing	Worm drive with mechanical stopper in opening and closing
Digital Controllers	230V: EDGE1/BOX	230V: EDGE1/BOX
Encoder	Digital encoder SENSORLESS 48 PPR	Digital encoder SENSORLESS 48 PPR
Battery Recovery	Optional 2 external battery 12V, 7AH	Optional 2 external battery 12V, 7AH



SWING



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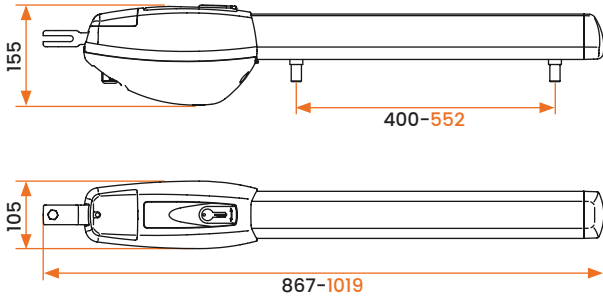


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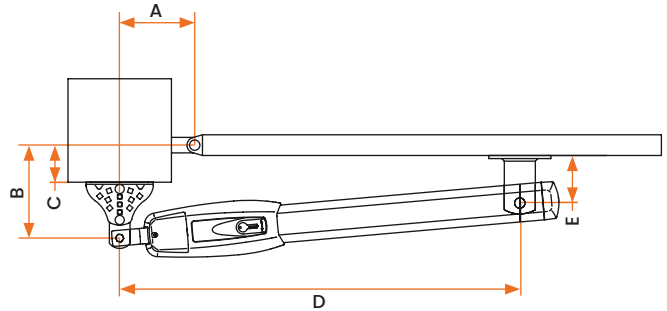
Dimensions



BE20/200/HS - BE20/400

Note: All measurements in the drawings are in millimetres

Preparations for Standard Installation



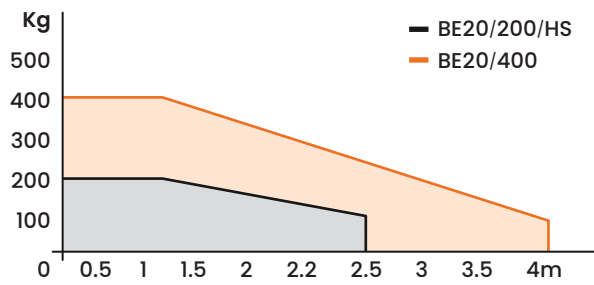
BE20/200/HS

(Max Run = 400 mm)

BE20/400

(Max Run = 550 mm)

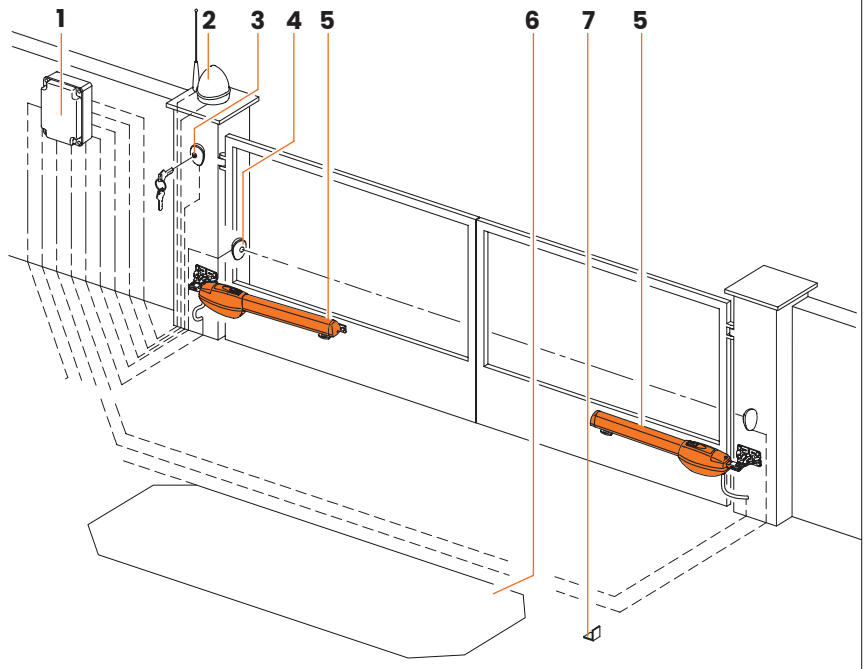
Operating Limits

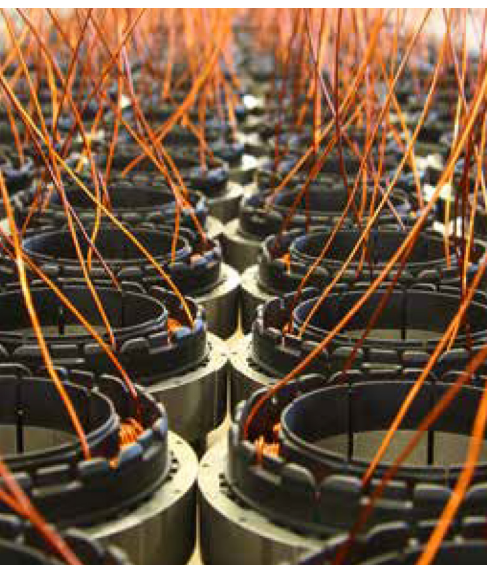
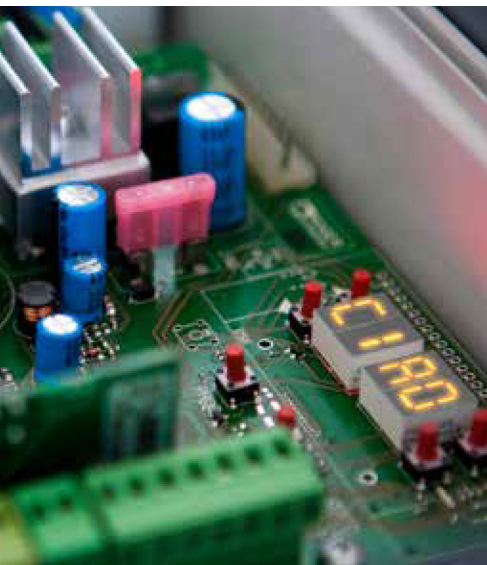


A	B	C (max.)	D (max.)	E	α°
110	180	100	770	92	100°
110	210	100	770	92	95°
120	150	100	770	92	105°
120	200	100	770	92	100°
130	130	100	770	92	105°
150	130	100	770	92	120°
150	150	100	770	92	110°
150	200	100	770	92	100°
160	150	100	770	92	105°
160	160	100	770	92	100°
120	180	150	992	125	100°
120	200	150	992	125	95°
150	180	150	992	125	105°
150	220	150	992	125	100°
170	200	150	992	125	105°
200	200	150	992	125	110°
200	240	150	992	125	110°
220	180	150	992	125	100°
220	200	150	992	125	110°
250	190	150	992	145	115°

Typical Swing Gate Set Up

- Control Box
- Antenna/Fashing Light
- Keypad/Exit Button
- Safety Beam
- Motor
- Loop Detector/Probe
- Gate Stop





- ◆ **Brushless Digital Motor**
Features a compact design with neodymium iron-baron magnets, available in 24V & 36V AC versions, operating at ambient temperature with low consumption.
- ◆ **Speed & Acceleration With Maximum Safety**
Controls motor torque precisely for smooth acceleration and deceleration, ensuring safety.
- ◆ **Super Intensive Use**
Operates at low voltage with a 100% duty cycle, maintaining low energy consumption.
- ◆ **External Transformer For Heavy Gates**
Low voltage options reduce installation costs where high voltage is unavailable.
- ◆ **Extremely Low Energy Consumption**
Consumes about 1/3 the power of other brands for the same gate weight and speed.
- ◆ **Amazingly Quiet**
Precision gearing and smooth torque control result in very quiet operation, ideal for residential applications.
- ◆ **Mechanical Stops**
Worm drive with mechanical stops.
- ◆ **Standby Batteries**
Emergency battery backup system available, with optional 'fail open' setting during power outages.
- ◆ **Multifunctional Digital Display**
4-quadrant display with 6 function keys for parameter adjustment, error checking, and self-learning.
- ◆ **High Precision Engineering**
Features premium materials and double shielded ball bearings for precise alignment and durability.
- ◆ **Reinforced Aluminum Body**
Aluminum housing reinforced with titanium and epoxy-painted for weather protection.
- ◆ **Sustainability**
Roger Technology is a green customer-centric company dedicated to creating sustainable products through environmentally responsible production processes, innovative technologies, and a culture that prioritizes the health, safety, and development of its workers and customers.