



SERVICING W.A | RESIDENTIAL & COMMERCIAL



T E C H N I C A L D A T A S H E E T

BC30
GRANDE



Electromechanical HIGH SPEED BRUSHLESS motor, low voltage, super intensive use, onboard encoder, ideal for sliding gates up to 2200kg with built in digital controller and magnetic limit switch.

Variant SKU	BG30-804	BG30-1504	BG30-2204
Max Gate Weight	800kg	1500kg	2200kg
Maximum Gate Length	25m	25m	25m
Manoeuvre Speed	30m/min	25m/min	12m/min
Power Line Supply	230V AC - 50Hz		
Motor Supply Voltage	36V AC		
Power Rating	490W	650W	470W
Duty Cycle	100% Intensive Use		
Thrust	1080N	1190N	2400N
Operating Temperature	-20+55°C		
Protection Level	IP44		
Reductor Type	Irreversible		
Limit Switch	Magnetic		
Backup Batteries	Optional 2 external battery 12V 7AH (Separate Enclosure)		
Control Board	B70/1DCHP		
Encoder	Digital encoder + magnetic digital SENSORED, 4096 PPR		
Type Exit Gear	Z20/mod 4		Z17/mod 4
Maximum Power Absorption	240W		

ROGER TECHNOLOGY

GRANDE BG30



25m/min



1500



Warranty


 100%
Duty Cycle

Recommended Accessories:



Remote

Universal Control System



Back-up Battery

External Battery Back-up 36V



Slide Motor Base Riser

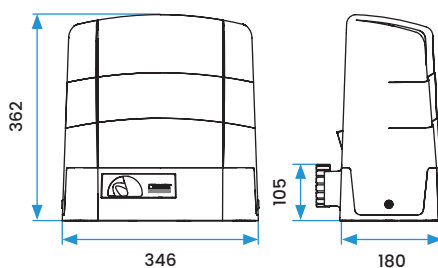
When higher clearance is needed



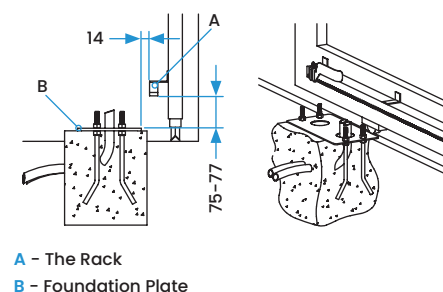
Rack Installation Tool

Rack Tool sets height and alignment using motor fixing points

Dimensions:

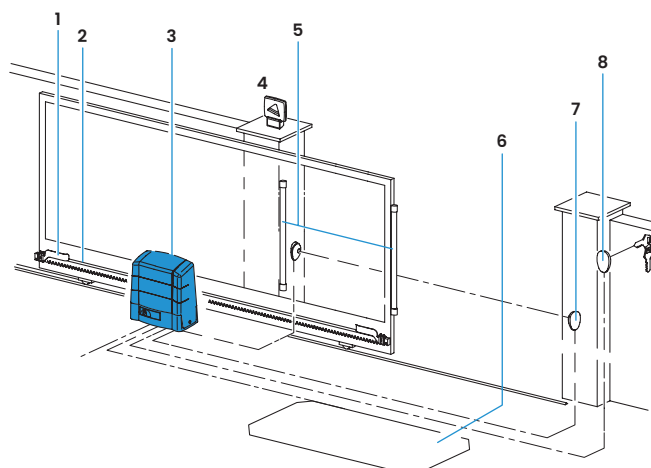


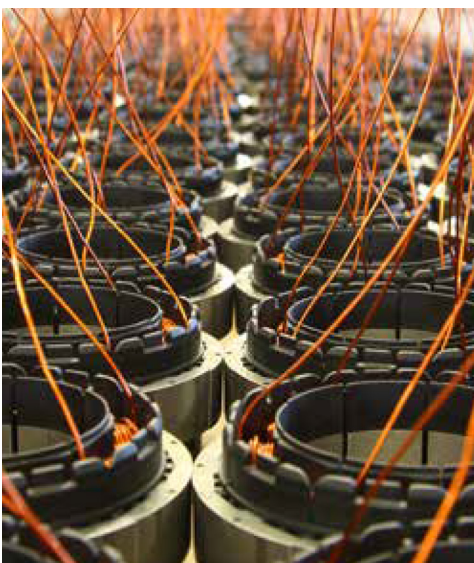
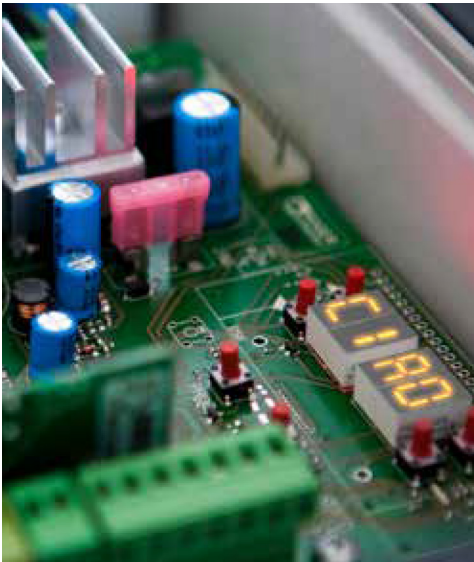
Installation:



Typical Sliding Gate Set Up

1. Limit Switches
2. Racking
3. Motor
4. Antenna/Fashing Light
5. Safety Edge
6. Loop Detector/Probe
7. Safety Beam
8. Keypad





- **Brushless Digital Motor**

Features a compact design with neodymium iron-boron 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.

- **Powerful Digital Encoder**

SENSED technology provides 4096 pulses per revolution for precise control and safety in obstacle detection.

- **Limit Switch**

Available with magnetic limit switches.

- **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.



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AGM Automation

U4/12 Carbon Court Osborne Park, WA 6017

Phone: 9244 8899

agmautomation.com.au

