

## SMARTY7 Swing Gate Opener

Brushless 36V DC Irreversible - with leaf up to 7 m length - with mechanical stopper on opening and closing



*Electromechanical operator BRUSHLESS, low voltage, super intensive use.*

*Irreversible.*

*For swing gates with a gate leaf up to 7 m.*

The brushless **SMARTY7** industrial motors are one the largest electromechanical operators available in the market. Boasting features such as **low voltage**, super **intensive use**, an onboard **native encoder**, **irreversible swing** and are suitable for gates up to.

The SMARTY7 motor is the ideal substitute to hydraulic motors on large gates, bringing the next generation of on-board safety features, ease of installation and set-up.

### SMARTY 7 Swing Gate Operator features include:

- **Brushless digital motor**

Digital brushless motor based on a permanent magnetic field which uses neodymium iron-boron magnets inside the rotor. With innovative high density coil windings powered by a sinusoid three-phase power system, SMARTY series motors operate at low voltage (36V DC).

The motor is extremely compact and operates at normal ambient temperature, making it suitable for extremely intense use and extraordinarily energy efficient.

- **Elegant reinforced aluminium casing**

The casing enclosing the gear motor is entirely made from aluminium, while all parts of the casing subject to mechanical wear and friction are generously reinforced.

The worm screw cover casing, made completely from anodised aluminium, is fastened to the motor casing with through screws passing through the entire width of the casing itself.

- **Adjustable aluminium travel limits**

The SMARTY swing gate motor is factory-fitted with two titanium reinforced aluminium travel limits in the gate open and gate closed positions. These travel

limits are adjustable in both directions of movement of the motor. The travel limits can be adjusted easily, even with the motor already installed, by simply removing the aluminium cover.

- **Sturdy fastener brackets**

The new SMARTY brushless digital motor is equipped with weld-on brackets designed and sized specifically for installation on particularly large and heavy condominium or industrial gates.

The brackets are manufactured in galvanised carbon steel. The rear bracket is available as long or short versions.

- **Mechanical absolute positioner**

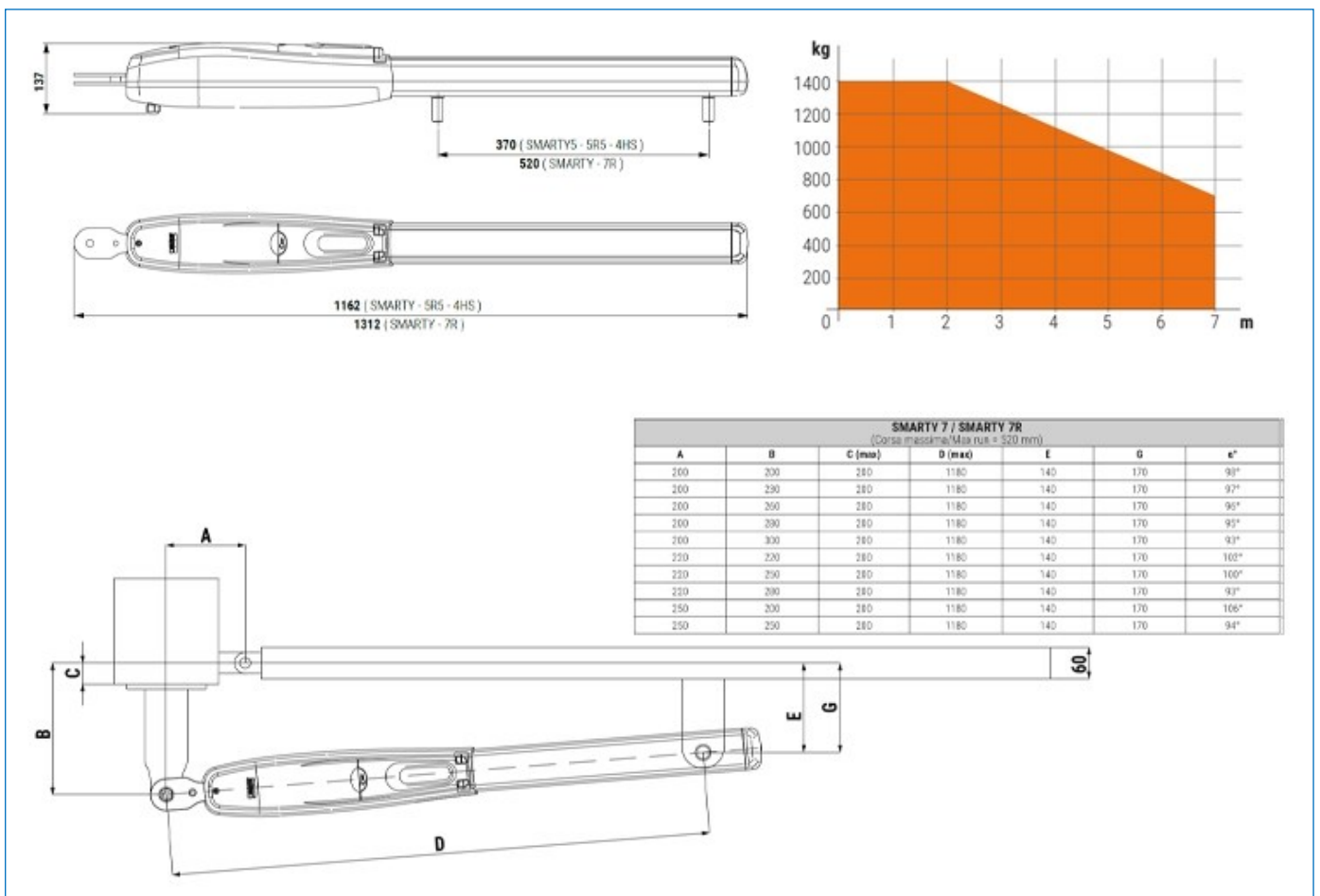
The MAE (mechanical absolute encoder) is a digital mechanical encoder which measures and determines the positions of the gate leaves with absolute precision, during both opening and closing operation.

This system communicates the absolute mechanical position of the gate leaves to the digital controller directly via a three-phase connection to the motor, making it unnecessary to repeat the self-acquisition procedures after prolonged power outages or manual release.

## Technical Specifications

SMARTY 7	
Power supply	230V AC - 50Hz
Motor power supply:	36V
Power rating:	200W
Frequency of use:	Intensive use
Thrust:	600 - 7000N
Operating temperature:	-20 C° +55 C°
Protection level:	IP44
Reductor Type:	Irreversible
Manoeuvre speed:	1,6 cm/s
Opening time:	35-50 s
Stroke:	520 mm
Limit switch:	Mechanical stopper in opening and closing
Recommended digital controllers:	230V: EDGE1/BOX - 115V: EDGE1/BOX/115
Encoder:	Digital native encoder SENSORLESS 48 PPR
Operating cycles per day:	1000 (opening/closing - 24 hours no stop)
Maximum dimensions:	1312 mm (L) x 116 mm (W) x 165 (H) mm
Product weight packed (Kg):	17.1

## Dimensions



Fast | Safe | Secure