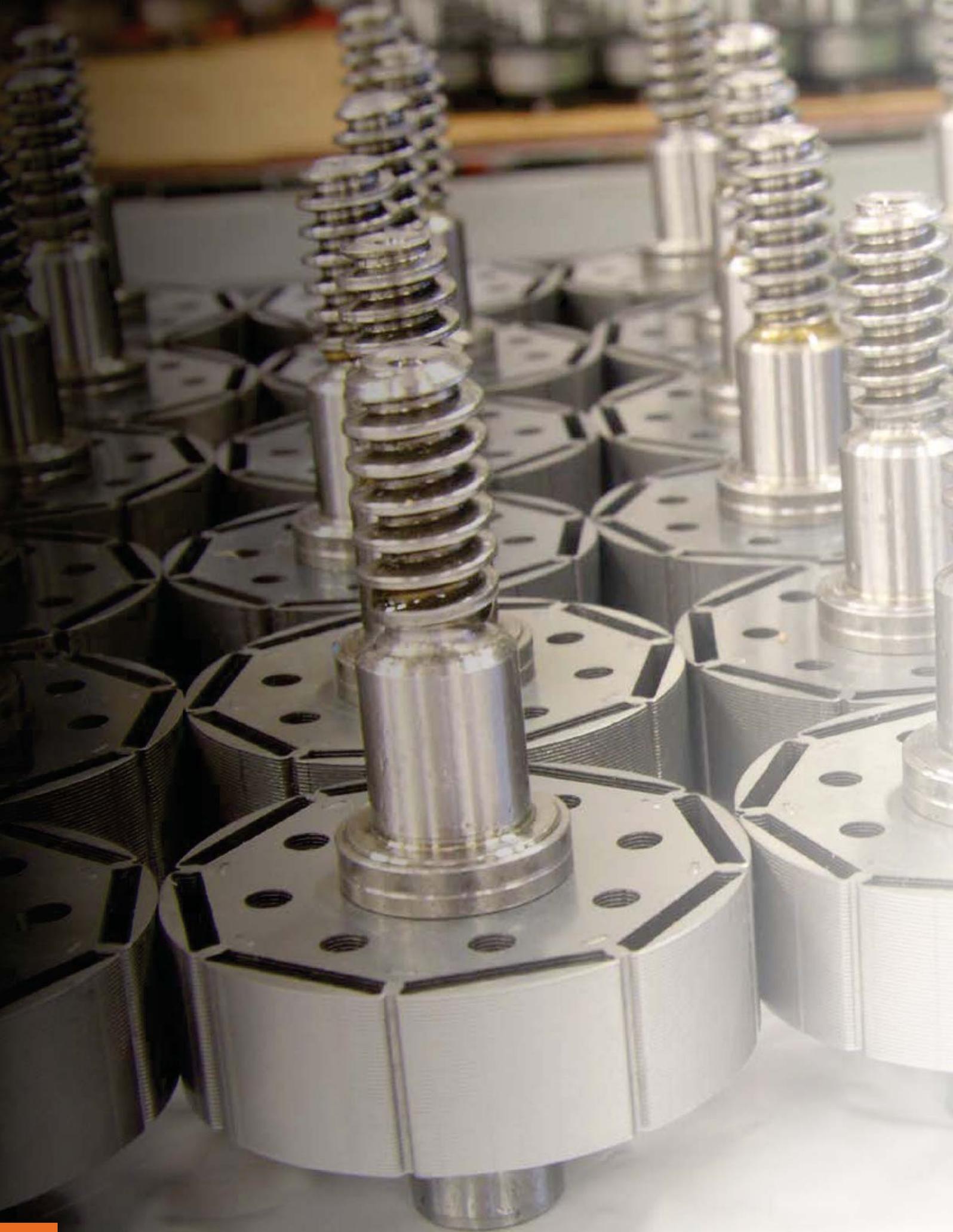


THE NEW DIGITAL REVOLUTION IN THE AUTOMATION SECTOR





SYMBOLOLOGY

Sector

Residential



Commercial



Industrial



Parking



SYMBOLOLOGY

Products

Brushless motor on board



No limit use



Extra low consumption



Maximum digital control



Low tension



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THE CHALLENGE TO THE INNOVATION

We were motivated by the thought of creating a new and highly technological solution that could revolutionise the industry and **offer the installer a great opportunity** in terms of mechanical quality. With a totally new motor and revolutionary digital electronics we designed a system to simplify the management and start up of the automation whilst ensuring that the installation can be carried out in total safety. Our thoughts were, that after many years devoted to perfecting the electro mechanical motors, in both alternating current (AC) plus direct current (DC) that we must create something different. Especially something **that could be unique in terms of control, safety, power, intensive use and low power consumption.**

With our passion for innovation, our vast experience in mechanical production and our extensive knowledge of the elector mechanical

motor, we observe the industrial world. We monitored the new ideas of the household appliance groups and imagined an automation which was completely brushless orientated with a digital permanent magnetic field and a digital control panel that provides total management of the safety features. Capable of super intensive use, but with a very low power consumption, **Roger Brushless** was created.



A new technological era that will leave a great mark in the evolution of the automation industry and lead the way for automation professionals. The combination of the three key elements: **the unique brushless motor, digital control unit and precision mechanics** express the best quality aspects of brushless technology.

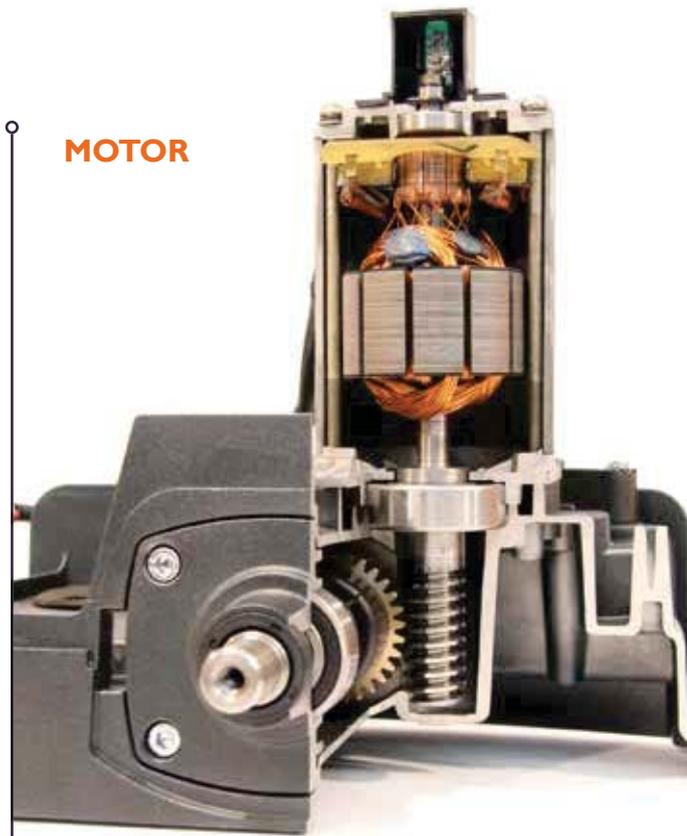
THE EVOLUTION TOWARDS THE FUTURE

MOTOR



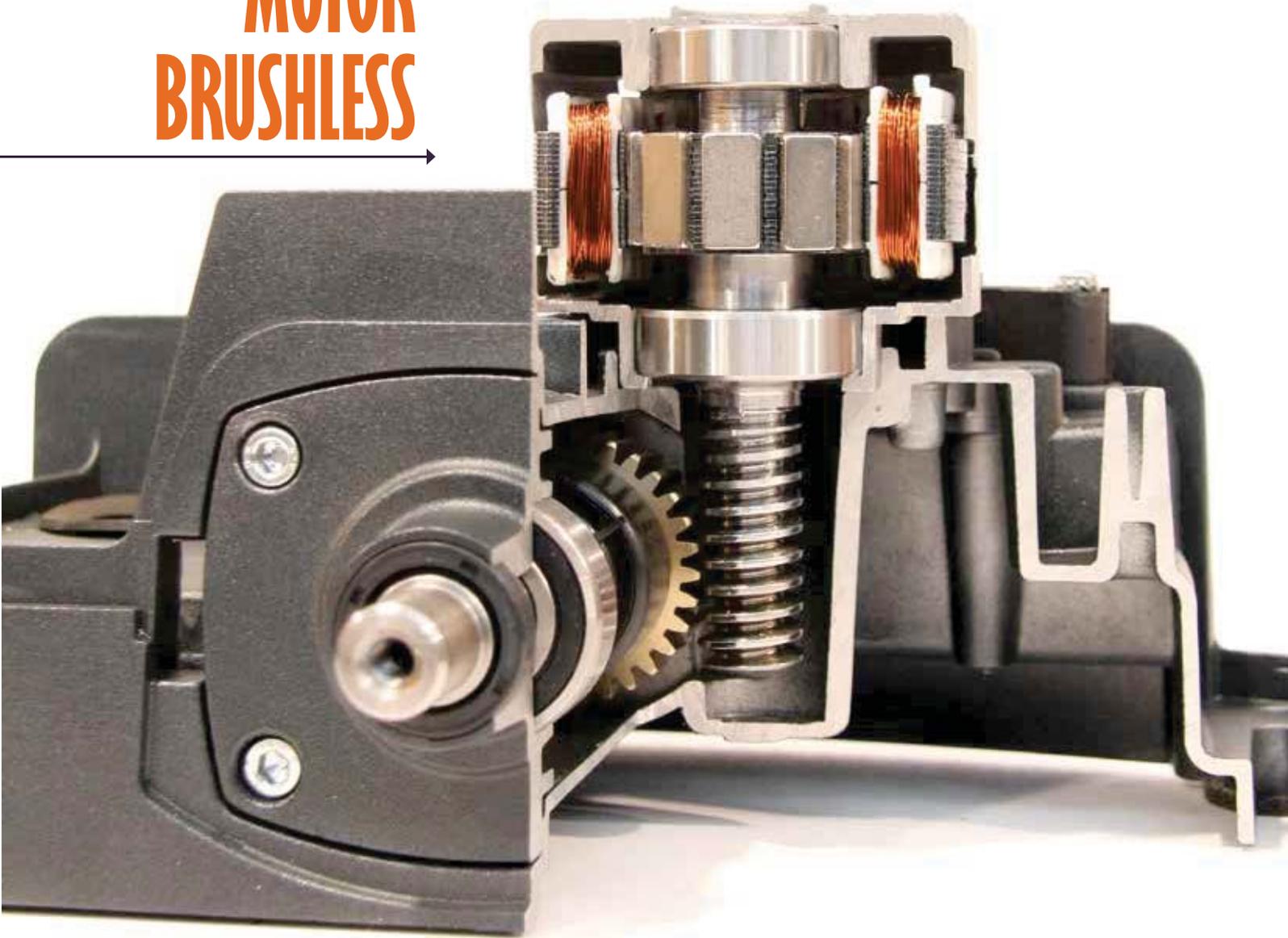
220V AC

MOTOR



24V DC

DIGITAL MOTOR BRUSHLESS



**DIGITAL
BRUSHLESS MOTOR**



**NO
LIMIT USE**



**EXTRA LOW
CONSUMPTION**



**MAXIMUM
DIGITAL CONTROL**



LOW TENSION

 **ROGER[®]
BRUSHLESS**

THE BRUSHLESS MOTOR





The Roger Technology “Brushless” motor is a digital three phase motor with permanent magnetic field.

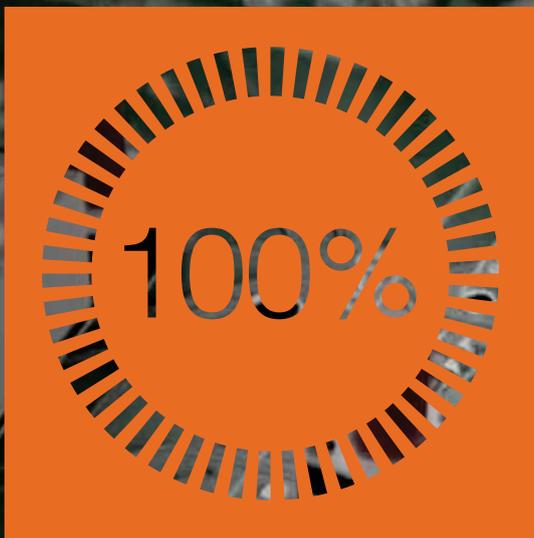
The word **Brushless** means a motor without brushes or collector. Inside the rotor are very special neodymium magnets made from a special alloy of Iron and Boron. This technology represents an electric motor which can operate consistently under intensive permanent use.

Due to its special windings and concentrated coils, the motor is powered by a three phase sinusoidal system. Available in low voltage 24V, 36V and 220V AC version, we have created

and produced an extremely compact engine designed to work in temperatures of all environments. This durable and very strong motor is capable of super intensive use with the added benefit of a very low power consumption. With the addition of the digital encoder, all aspects of safety can be completely managed.

- Digital Brushless motor on board with permanent magnetic field
- Brushless motor, no brushes no collector inside the motor
- Digital three-phase motor available in low voltage
- Neodymium magnets made from a special alloy of Iron and Boron
- Evoluted digital encoder on board
- Super intensive use of the motor
- Very low consumption of energy
- Constant torque during all the stroke of the engine
- Instant inversion
- Synchronous speed
- High efficiency
- The motor works also with very hostile environment conditions
- Connection between the motor and the control unit with an unique cable with 3 wires

REVOLUTIONARY CONTROL BOARD WITH DIGITAL CONTROLLER



The refined and innovative control unit, with digital control in 24V or 36V DC field oriented.

The new brushless control panel without a traditional relay and with the revolutionary Mosfet system represents the new system of electronic boards. Designed to manage all types of safety whilst monitoring the movement of the gate, this unique system will meet the needs of all professional installers in the residential, commercial and industrial door sector.

The new digital controller with field oriented sensor control will detect

obstacles instantly.

As well as managing the high-efficiency motor encoder, it will also monitor its strength, torque, absorption, power consumption and the precise location of the motor through all of its points. Its position in pulses is monitored between the motor and the control panel with a unique 3 core cable.

- Sinusoidal digital controller field-oriented
- Low voltage control unit 24V DC and 36V DC
- No traditional relays in the electronic card
- Innovative quadrant mosfet circuit
- Engine data management with sensorless technology
- Management of the evolved digital encoder
- Instant obstacle detection
- Total management control of the automation
- Instant inversion
- Work with emergency batteries
- Work with inverter and electric generator
- Separate control and management of the 2 engines

EXCELLENT MECHANICAL OF HIGH PRECISION





All mechanical components, gears, frames and every single part of the motor and related windings are completely produced and manufactured within our Italian factories.

Roger Brushless Technology is based on the traditional principles of design using only the highest quality materials and components available to produce a product that is strong, robust and designed to last. We use aluminium for the automation frames and steel and cast iron for the gears, sometimes these are heat treated to make the product hi-tensile. An aluminium bronze threaded coupler runs along a steel worm drive producing a product designed to last.

The assembly and testing are the last stages of the manufacturing process but are substantially the most important. For this reason our company have strict guidelines to work to during the assembly and testing procedures, controlling each single product before it is ready for market.

- Carter, profiles and frames made in die-cast aluminum reinforced with titanium
- Use of First quality materials as aluminum, steel, bronze, cast iron
- Machining and finishing of the seats of the bearings in order to avoid any type of vibration
- Gears assembled with high-quality ball bearings with double-shielded
- The bearings are mounted in precise finished seats in order to obtain an absolute precision among the axes of the gears
- Rolling process of the worm screw and the shafts of the engines in order to avoid any type of porosity and to obtain cleaned surface extremely resistive
- Use of lubricants and industrial specific greases in order to give more life to all mechanical linkages
- Testing and assembly of extreme care and passion

NEW LABEL DESIGN

The new **brand Roger Brushless** identifies the revolutionary new line of high-tech automation signed by the Italian company **Roger Technology**.
The **revolutionary brushless motor on board**, the new digital control unit allow the installation of automations with super intensive use, with extremely low power consumption and with a **total digital management** in order to meet all the needs of the residential, commercial and industrial sector.

AZIENDA



ITALIANA



BRUSHLESS MOTOR

SERIE E20



BE20/200

PRODUCT

Code	Product Description	Pcs/ Pallet
BE20/200	Electromechanical actuator BRUSHLESS, low voltage, super intensive use, with motor encoder onboard, irreversible, ideal for swing gates with leaf up to 2,2 mt lenght, with adjustable mechanical stopper in opening and closing	50

ACCESSORIES IN COMMON WITH 230V AC LINE

KT201/R	Screw-welded Long front bracket
KT203/R	Screw-adjustable long rear bracket
KT205/R	Kit of screw-adjustable long rear bracket and screw-welded long front bracket
KT202	Short front hinge plate, to weld
KT204	Short rear hinge plate, to weld
KT206	Kit 3 hinge plates short series, to weld
R99/C/001	Signboard "Automatic Opening"

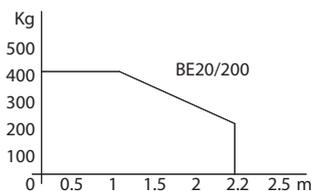
STANDARD ACCESSORIES

Always included in the individual product package or kit



KT206/R
Kit of screw-adjustable rear bracket and screw-welded front bracket - Pcs.1
MC781
Kit mechanical stop BE20, BR20 series - Pcs.2

Usage limits

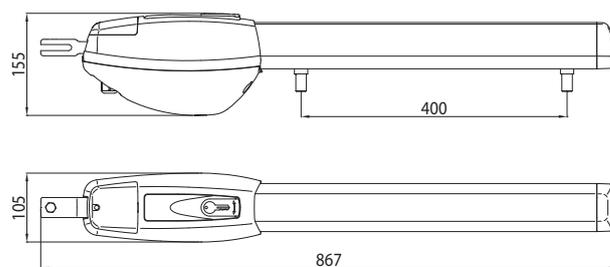


QUOTA "A" mm	QUOTA "B" mm	ANGOLO APERTURA
110	180	100°
110	210	95°
120	150	105°
120	200	100°
130	130	105°
150	130	120°
150	150	110°
150	200	100°
180	150	110°
180	180	100°
QUOTA "C" MAX mm	QUOTA "D" MAX mm	QUOTA "E" mm
100	770	92

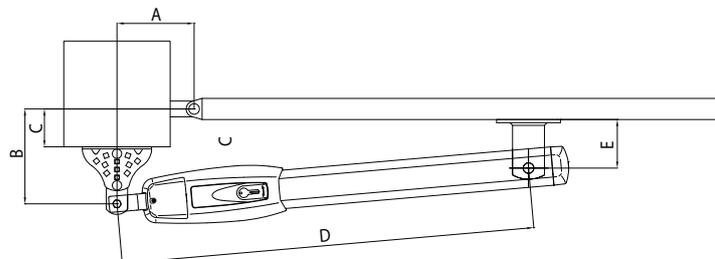
TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +-10%
Brushless motor power supply	24V
Motor power	200W
Frequency of use	Super intensive use
Operating temperature	-20 +55°C
Protection level	IP43
Opening time at 90°	15" - 25"
Manoeuvre speed:	1 -2 cm/s
Max thrust	100 - 2200 N
Stroke	400 mm
Encoder	Digital encoder onboard
Limit switch	Adjustable mechanical stopper in opening and closing
Digital controller recommend	230V AC: B70/2DC/BOX; 115V AC: B70/2DC115/BOX;
Cycles per day (opening/closing 24h no stop)	800

Dimensions



Predisposition for standard installation



BRUSHLESS MOTOR

SERIE R20



BR20/300

PRODUCT

Code	Product Description	Pcs/ Pallet
BR20/300	Electromechanical actuator BRUSHLESS, low voltage, super intensive use, with motor encoder onboard, irreversible, ideal for swing gates with leaf up to 2,5 mt lenght, with adjustable mechanical stopper in opening and closing	50

ACCESSORIES IN COMMON WITH 230V AC LINE

KT202/R	Screw-welded front bracket
KT204/R	Screw-adjustable rear bracket
KT206/R	Kit of screw-adjustable rear bracket and screw-welded front bracket
R99/C/001	Signboard "Automatic Opening"

STANDARD ACCESSORIES

Always included in the individual product package or kit

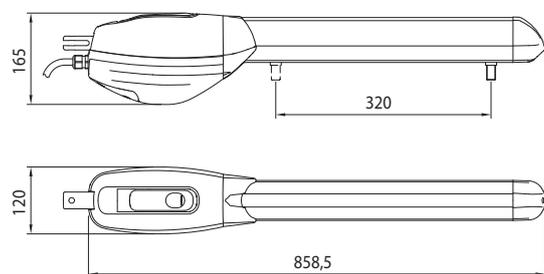


KT206
Kit 3 hinge plates short series, to weld - Pcs.1
MC781
Kit mechanical stop BE20, BR20 series - Pcs.2

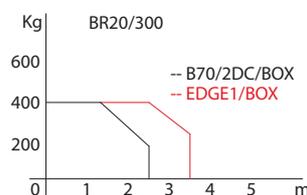
TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +-10%
Brushless motor power supply	24V - 36V
Motor power	240W
Frequency of use	Super intensive use
Operating temperature	-20 +55°C
Protection level	IP43
Opening time at 90°	19" - 30"
Manoeuvre speed:	1 -1,66 cm/s
Max thrust	100 - 2800 N
Stroke	320 mm
Encoder	Digital encoder onboard
Limit switch	Adjustable mechanical stopper in opening and closing
Digital controller recommend	230V AC: B70/2DC/BOX EDGE1/BOX 115V AC: B70/2DC/115/BOX EDGE1/BOX/115
Cycles per day (opening/closing 24h no stop)	1.300

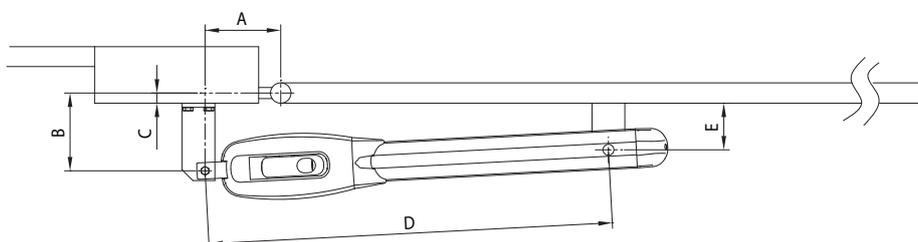
Dimensions



Usage limits



Predisposition for standard installation



QUOTA "A" mm	QUOTA "B" mm	ANGOLO APERTURA
130	130	90°
80	170	90°
80	210	90°
100	200	90°
120	140	100°
130	150	105°
150	100	120°

QUOTA "C" MAX mm	QUOTA "D" MAX mm	QUOTA "E" mm
90	730	90



BRUSHLESS MOTOR



BR20/500

PRODUCT

Code	Product Description	Pcs/ Pallet
BR20/500	Electromechanical actuator BRUSHLESS, low voltage, super intensive use, with motor encoder onboard, irreversible, ideal for swing gates with leaf up to 3,5 mt lenght, with adjustable mechanical stopper in opening and closing	36

ACCESSORIES IN COMMON WITH 230V AC LINE

KT201/R	Screw-welded Long front bracket
KT203/R	Screw-adjustable long rear bracket
KT205/R	Kit of screw-adjustable long rear bracket and screw-welded long front bracket
R99/C/001	Signboard "Automatic Opening"

STANDARD ACCESSORIES
Always included in the individual product package or kit

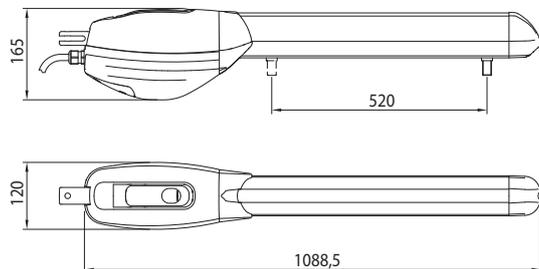


KT205
Kit 3 hinge plates long series, to weld - Pcs.1
MC781
Kit mechanical stop BE20, BR20 series - Pcs.2

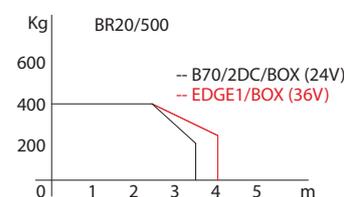
TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +10%
Brushless motor power supply	24V - 36V
Motor power	240W
Frequency of use	Super intensive use
Operating temperature	-20 +55°C
Protection level	IP43
Opening time at 90°	27" - 42"
Manoeuvre speed:	1 - 1,66 cm/s
Max thrust	100 - 2800 N
Stroke	520 mm
Encoder	Digital encoder onboard
Limit switch	Adjustable mechanical stopper in opening and closing
Digital controller recommend	230V AC: B70/2DC/BOX EDGE1/BOX 115V AC: B70/2DC/115/BOX EDGE1/BOX/115
Cycles per day (opening/closing 24h no stop)	1.000

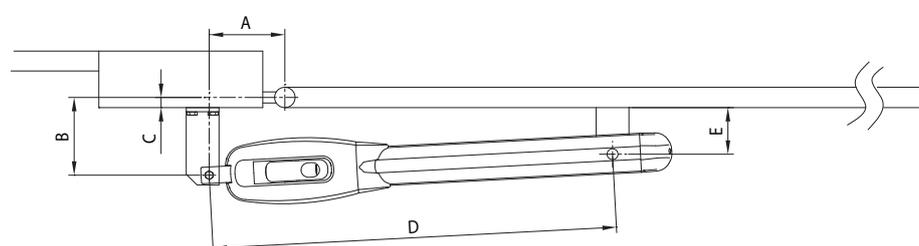
Dimensions



Usage limits



Predisposition for standard installation



QUOTA "A" mm	QUOTA "B" mm	ANGOLO APERTURA
100	210	90°
150	210	90°
150	300	90°
250	180	110°
220	200	110°
180	130	120°
210	180	120°
QUOTA "C" MAX mm	QUOTA "D" MAX mm	QUOTA "E" mm
190	950	123

BRUSHLESS MOTOR

SERIE M20



BM20/340

PRODUCT

Code	Product Description	Pcs/ Pallet
BM20/340	Electromechanical actuator BRUSHLESS, low voltage, super intensive use, with motor encoder onboard, irreversible, ideal for swing gates with leaf up to 3 mt lenght, with adjustable mechanical stopper in opening and closing	50
ACCESSORIES IN COMMON WITH 230V AC LINE		
KT202	Kit mechanical stop for M20 - G20 - H20 series	
KT202/R	Screw-welded front bracket	
KT204/R	Screw-adjustable rear bracket	
KT206/R	Kit of screw-adjustable rear bracket and screw-welded front bracket	
R99/C/001	Signboard "Automatic Opening"	

TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +-10%
Brushless motor power supply	24V
Motor power	240W
Frequency of use	Super intensive use
Operating temperature	-20 +55°C
Protection level	IP43
Opening time at 90°	19" - 30"
Manoeuvre speed:	1 -1,66 cm/s
Max thrust	100 - 2800 N
Stroke	310/340 mm
Encoder	Digital encoder onboard
Limit switch	Adjustable mechanical stopper in opening and closing
Digital controller recommend	230V AC: B70/2DC/BOX 115V AC: B70/2DC115/BOX
Cycles per day (opening/closing 24h no stop)	1.300

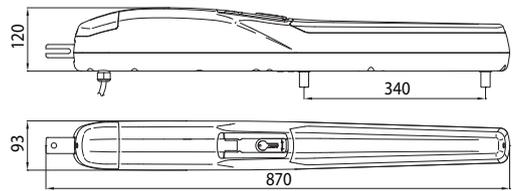
STANDARD ACCESSORIES

Always included in the individual product package or kit

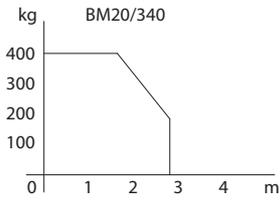


KT206
Kit 3 hinge plates short series, to weld - Pcs.1
MC 779
Kit mechanical stop for M20 / G20 / H20 series - Pcs.2

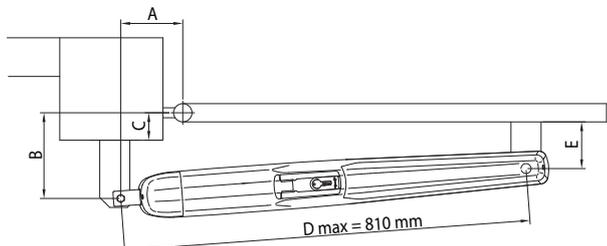
Dimensions



Usage limits



Predisposition for standard installation



QUOTA "A" mm	QUOTA "B" mm	ANGOLO APERTURA
130	130	90°
80	170	90°
50	130	90°
100	200	90°
120	140	100°
130	150	105°
150	100	120°

QUOTA "C" max mm	QUOTA "D" max mm	QUOTA "E" mm
90	810	90



BRUSHLESS MOTOR

SERIE H23



BH23/282

PRODUCT

Code	Product Description	Pcs/ Pallet
BH23/282	Electromechanical articulated motor BRUSHLESS, low voltage, super intensive use, with motor encoder onboard, irreversible ideal for swing gates with leaf up to 2.8 meters of length with adjustable mechanical stopper in opening and closing and with standard version of short arms	44

ACCESSORIES IN COMMON WITH 230V AC LINE

R99/C/001 Signboard "Automatic Opening"

STANDARD ACCESSORIES

Always included in the individual product package or kit

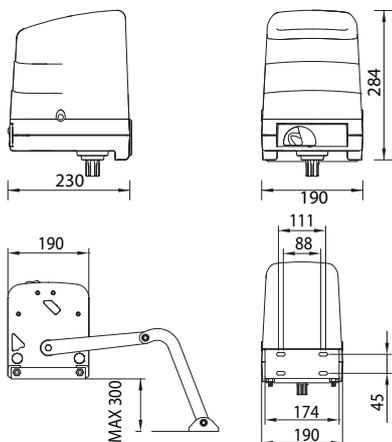


- LT302**
Arms short for articulated motor - Pcs.1
- KT218**
Gate pull bracket for series articulated - Pcs.1
- KT209**
Plate for fixing to post H23 series - Pcs.1

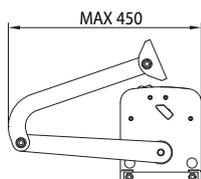
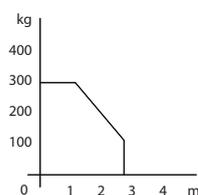
TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +10%
Brushless motor power supply	24V
Motor power	160W
Frequency of use	Super intensive use
Operating temperature	-20 +55°C
Protection level	IP43
Opening time at 90°	12" - 20"
Max thrust	50 - 280 N
Encoder	Digital encoder onboard
Limit switch	Adjustable mechanical stopper in opening and closing
Digital controller recommend	230V AC: B70/2DC/BOX; EDGE1/BOX 115V AC: B70/2DC115/BOX; EDGE1/BOX/115
Cycles per day (opening/closing-24h no stop)	1.900

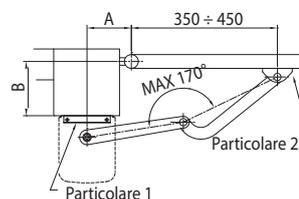
Dimensions



Usage limits



Predisposition for standard installation



QUOTA "A" mm	QUOTA "B" mm	ANGOLO APERTURA
130	50	90°
130	80	90°
130	100	90°
140	120	90°
150	50	95°
160	160	95°
180	180	95°
180	200	100°
200	200	100°
230	200	105°
250	250	105°
300	250	110°

BRUSHLESS MOTOR

SERIE R21



BR21/351

PRODUCT

Code	Product Description	Pcs/ Pallet
BR21/351	Electromechanical underground motor, BRUSHLESS, low voltage, super intensive use, with motor encoder onboard, irreversible, ideal for swing gates with leaf up to 4,5 mt; standard version with 2 mt cable	50

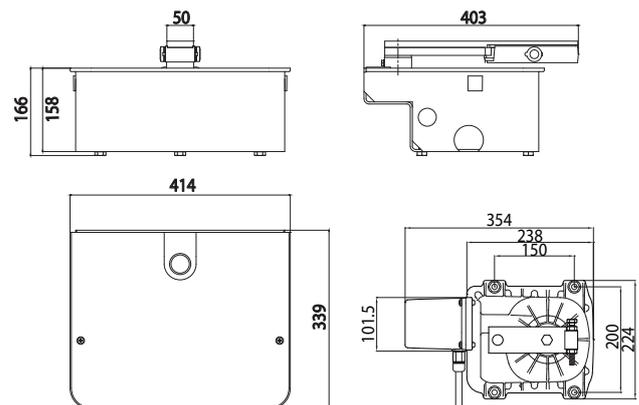
ACCESSORIES IN COMMON WITH 230V AC LINE

FU100	Cold galvanised foundation box and lid	30
FU101	Hot galvanised foundation box and lid	30
FU102	Hot galvanised foundation box and inox lid	30
FU103	Inox AISI 304 foundation box and lid	30
LT300	Levers for opening up to 125°	
LT301	Levers for opening up to 360°	
LT301/R	Levers for opening up to 360°, with reinforced chain	
RL650	Release system with standard lever	
RL650/R	Release system with standard lever. Version reinforced steel	
RL651	Release system with european cylinder key	
RL663	Long release lever for underground	
R99/C/001	Signboard "Automatic Opening"	

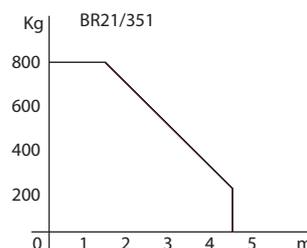
TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +-10%
Brushless motor power supply	24V - 36V
Motor power	200W
Frequency of use	Super intensive use
Operating temperature	-20 +55°C
Protection level	IP67
Opening time at 90°	19" - 29"
Manoeuvre speed:	1,66 cm/s
Max thrust	50 - 300 N
Standard opening	105°
Encoder	Digital encoder onboard
Limit switch	Mechanical stoppers (on the foundation box)
Digital controller recommend	230V AC: EDGE1/BOX 115V AC: EDGE1/BOX/115
Cycles per day (opening/closing 24h no stop)	1.300

Dimensions



Usage limits





BRUSHLESS MOTOR



Particular double bearing
in the main shaft BR21/362



BR21/361 - BR21/362

PRODUCT

Code	Product Description	Pcs/ Pallet
BR21/361	Electromechanical underground motor, BRUSHLESS, low voltage, super intensive use, with motor encoder onboard, irreversible, ideal for swing gates with leaf up to 4,5 mt; standard version with 10 mt cable	50
BR21/362	Electromechanical underground motor, BRUSHLESS, low voltage, super intensive use, with motor encoder onboard, irreversible, ideal for swing gates with leaf up to 5 mt; tandem version with double bearing with 10 mt cable	50

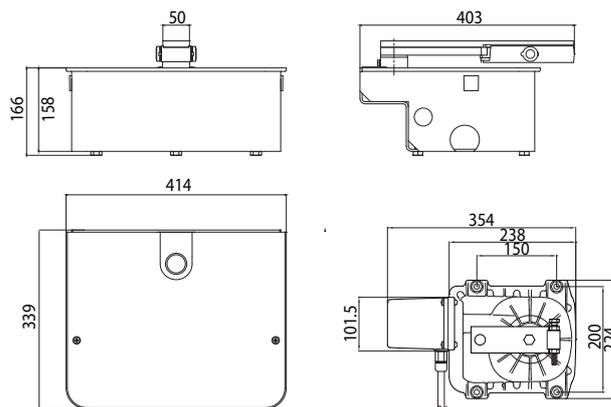
ACCESSORIES IN COMMON WITH 230V AC LINE

FU100	Cold galvanised foudation box and lid	30
FU101	Hot galvanised foundation box and lid	30
FU102	Hot galvanised foundation box and inox lid	30
FU103	Inox AISI 304 foundation box and lid	30
LT300	Levers for opening up to 125°	
LT301	Levers for opening up to 360°	
LT301/R	Levers for opening up to 360°, with reinforced chain	
RL650	Release system with standard lever	
RL650/R	Release system with standard lever. Version reinforced steel	
RL651	Release system with european cylinder key	
RL663	Long release lever for underground	
R99/C/001	Signboard "Automatic Opening"	

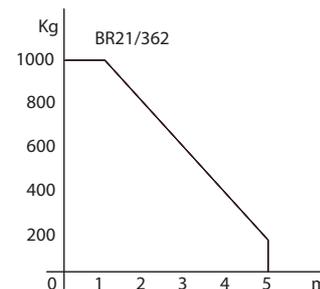
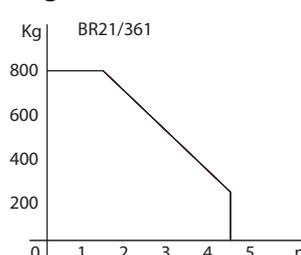
TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +-10%
Brushless motor power supply	24V - 36V
Motor power	200W
Frequency of use	Super intensive use
Operating temperature	-20 +55°C
Protection level	IP67
Opening time at 90°	19" - 29"
Manoeuvre speed:	1,66 cm/s
Max thrust	50 - 300 N
Standard opening	105°
Encoder	Digital encoder onboard
Limit switch	Mechanical stoppers (on the foundation box)
Digital controller recommend	230V AC: EDGE1/BOX 115V AC: EDGE1/BOX/115
Cycles per day (opening/closing 24h no stop)	1.300

Dimensions



Usage limits



BRUSHLESS MOTOR

SERIE SMARTY



SMARTY5

PRODUCT

Code	Product Description	Pcs/ Pallet
SMARTY5	Electromechanical actuator BRUSHLESS, low voltage, super intensive use, with native encoder onboard, irreversible, ideal for swing gates with leaf up to 5 mt length, with mechanical stopper in opening and closing.	36

ACCESSORIES IN COMMON WITH 230V AC LINE

RL669	Kit for release from outside without handle for series SMARTY
RL670	European cylinder key for release system series SMARTY
RL671	Metallic wire length 3mt for release from outside
SMARTY/EMA	Module Encoder Magnetic Absolute for series SMARTY
R99/C/001	Signboard "Automatic Opening"

STANDARD ACCESSORIES
Always included in the individual product package or kit

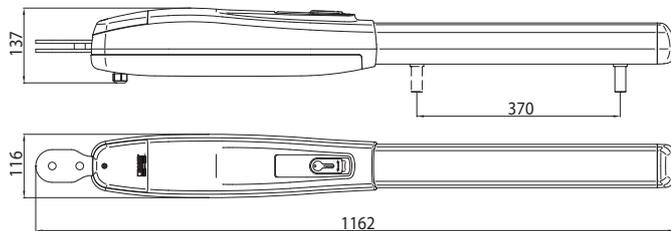


KT237
Kit 3 hinge plates short series SMARTY, to weld - Pcs.1
MC782
Kit mechanical stop SMARTY - Pcs.2

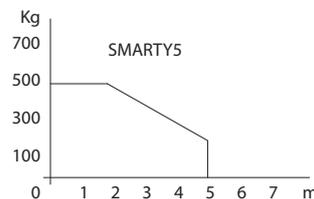
TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +-10%
Brushless motor power supply	36V
Motor power	200W
Frequency of use	Super intensive use
Motor type	Irreversible
Operating temperature	-20 +55°C
Protection level	IP44
Opening time at 90°	25" - 40"
Manoeuvre speed:	1 -1,66 cm/s
Max thrust	600 - 5000 N
Stroke	370 mm
Encoder	Digital encoder onboard
Limit switch	Adjustable mechanical stopper in opening and closing
Digital controller recommend	230V AC: EDGE1/BOX 115V AC: EDGE1/BOX/115
Cycles per day (opening/closing 24h no stop)	1.000

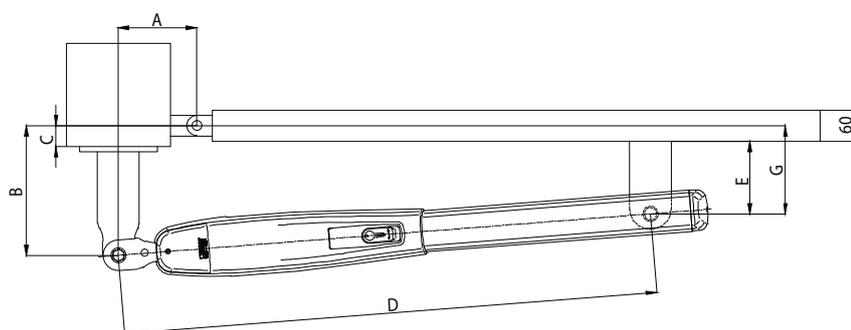
Dimensions



Usage limits



Predisposition for standard installation



SMARTY						
A	B	C (max)	D (max)	E	G	α°
150	150	120	1030	100	130	97°
150	170	120	1030	100	130	96°
150	190	120	1030	100	130	95°
150	200	120	1030	100	130	95°
150	220	120	1030	100	130	90°
170	1850	120	1030	100	130	103°
170	170	120	1030	100	130	102°
170	200	120	1030	100	130	90°
185	185	120	1030	100	130	90°
200	160	120	1030	100	130	92°



BRUSHLESS MOTOR

SERIE SMARTY



SMARTY7

PRODUCT

Code	Product Description	Pcs/ Pallet
SMARTY7	Electromechanical actuator BRUSHLESS, low voltage, super intensive use, with native encoder onboard, irreversible, ideal for swing gates with leaf up to 7 mt length, with mechanical stopper in opening and closing.	36

ACCESSORIES IN COMMON WITH 230V AC LINE

RL669	Kit for release from outside without handle for series SMARTY
RL670	European cylinder key for release system series SMARTY
RL671	Metallic wire length 3mt for release from outside
SMARTY/EMA	Module Encoder Magnetic Absolute for series SMARTY
R99/C/001	Signboard "Automatic Opening"

STANDARD ACCESSORIES
Always included in the individual product package or kit

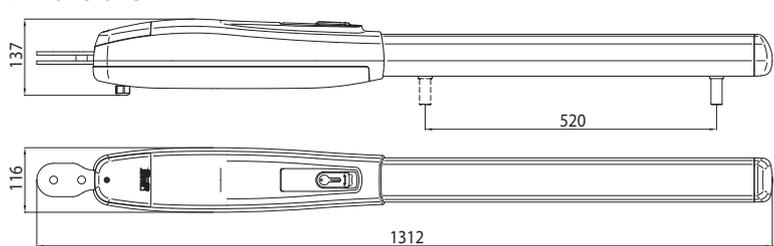


KT238
Kit 3 hinge plates long series SMARTY, to weld - Pcs.1
MC782
Kit mechanical stop SMARTY - Pcs.2

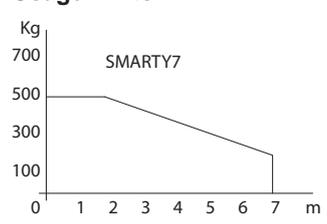
TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +-10%
Brushless motor power supply	36V
Motor power	200W
Frequency of use	Super intensive use
Motor type	Irreversible
Operating temperature	-20 +55°C
Protection level	IP44
Opening time at 90°	35" - 50"
Manoeuvre speed:	1 -1,66 cm/s
Max thrust	600 - 5000 N
Stroke	max 520 mm
Encoder	Digital encoder onboard
Limit switch	Adjustable mechanical stopper in opening and closing
Digital controller recommend	230V AC: EDGE1/BOX 115V AC: EDGE1/BOX/115
Cycles per day (opening/closing 24h no stop)	1.000

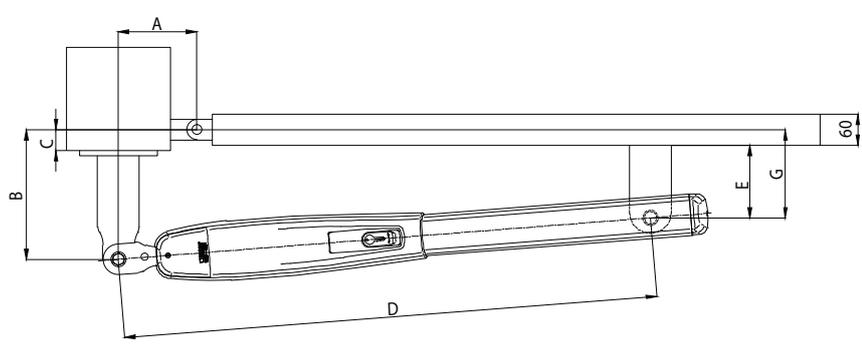
Dimensions



Usage limits



Predisposition for standard installation



SMARTY						
A	B	C (max)	D (max)	E	G	α°
200	200	200	1180	140	170	98°
200	230	200	1180	140	170	97°
200	260	200	1180	140	170	96°
200	280	200	1180	140	170	95°
220	300	200	1180	140	170	93°
220	220	200	1180	140	170	102°
220	250	200	1180	140	170	100°
220	280	200	1180	140	170	98°
250	200	200	1180	140	170	106°
250	250	200	1180	140	170	94°

BRUSHLESS MOTOR

SERIE SMARTY



SMARTY5R

PRODUCT

Code	Product Description	Pcs/ Pallet
SMARTY5R	Electromechanical actuator BRUSHLESS, low voltage, super intensive use, with native encoder onboard, reversible, ideal for swing gates with leaf up to 5 mt length, with mechanical stopper in opening and closing.	36

ACCESSORIES IN COMMON WITH 230V AC LINE

RL669	Kit for release from outside without handle for series SMARTY
RL670	European cylinder key for release system series SMARTY
RL671	Metallic wire length 3mt for release from outside
R99/C/001	Signboard "Automatic Opening"

STANDARD ACCESSORIES
Always included in the individual product package or kit



KT237
Kit 3 hinge plates short series SMARTY, to weld - Pcs.1

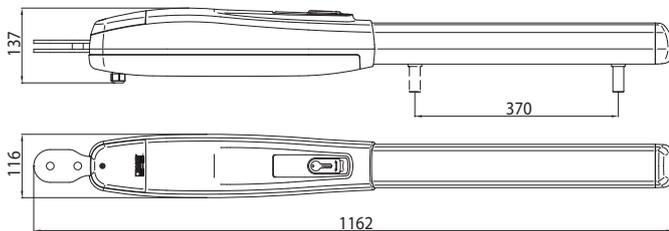
MC782
Kit mechanical stop SMARTY - Pcs.2

SMARTY/EMA
Module Encoder Magnetic Absolute for series SMARTY - Pcs.1

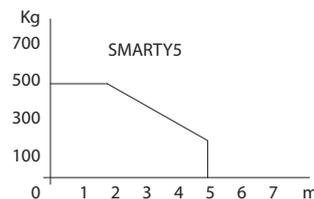
TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +-10%
Brushless motor power supply	36V
Motor power	200W
Frequency of use	Super intensive use
Motor type	Reversible
Operating temperature	-20 +55°C
Protection level	IP44
Opening time at 90°	25" - 40"
Manoeuvre speed:	1 -1,66 cm/s
Max thrust	600 - 5000 N
Stroke	370 mm
Encoder	Digital encoder onboard + Encoder Magnetic Absolute (SMARTY/EMA)
Limit switch	Adjustable mechanical stopper in opening and closing
Digital controller recommend	230V AC: EDGE1/BOX 115V AC: EDGE1/BOX/115
Cycles per day (opening/closing 24h no stop)	1.000

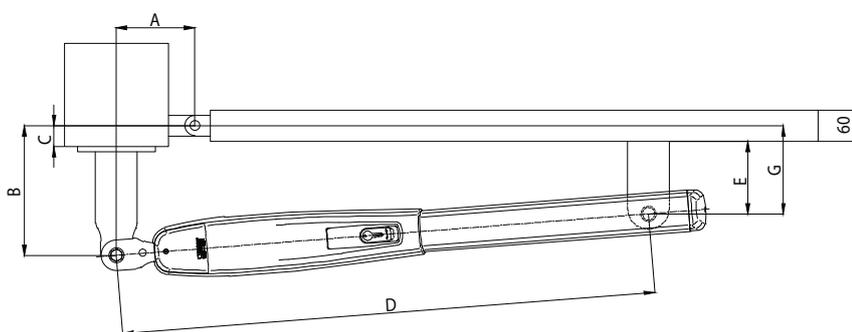
Dimensions



Usage limits



Predisposition for standard installation



SMARTY						
A	B	C (max)	D (max)	E	G	α°
150	150	120	1030	100	130	97°
150	170	120	1030	100	130	96°
150	190	120	1030	100	130	95°
150	200	120	1030	100	130	95°
150	220	120	1030	100	130	90°
170	1850	120	1030	100	130	103°
170	170	120	1030	100	130	102°
170	200	120	1030	100	130	90°
185	185	120	1030	100	130	90°
200	160	120	1030	100	130	92°



BRUSHLESS MOTOR

SERIE SMARTY



SMARTY7R

PRODUCT

Code	Product Description	Pcs/ Pallet
SMARTY7R	Electromechanical actuator BRUSHLESS, low voltage, super intensive use, with native encoder onboard, reversible, ideal for swing gates with leaf up to 7 mt length, with mechanical stopper in opening and closing.	36

ACCESSORIES IN COMMON WITH 230V AC LINE

RL669	Kit for release from outside without handle for series SMARTY
RL670	European cylinder key for release system series SMARTY
RL671	Metallic wire length 3mt for release from outside
R99/C/001	Signboard "Automatic Opening"

STANDARD ACCESSORIES

Always included in the individual product package or kit



KT238
Kit 3 hinge plates long series SMARTY, to weld - Pcs.1

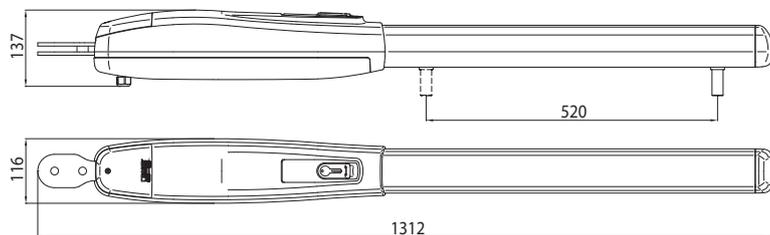
MC782
Kit mechanical stop SMARTY - Pcs.2

SMARTY/EMA
Module Encoder Magnetic Absolute for series SMARTY - Pcs.1

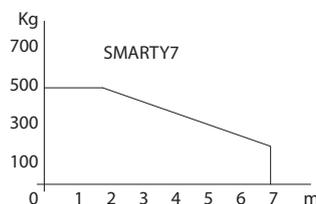
TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +-10%
Brushless motor power supply	36V
Motor power	200W
Frequency of use	Super intensive use
Motor type	Reversible
Operating temperature	-20 +55°C
Protection level	IP44
Opening time at 90°	35" - 50"
Manoeuvre speed:	1 -1,66 cm/s
Max thrust	600 - 5000 N
Stroke	max 520 mm
Encoder	Digital encoder onboard + Encoder Magnetic Absolute (SMARTY/EMA)
Limit switch	Adjustable mechanical stopper in opening and closing
Digital controller recommend	230V AC: EDGE1/BOX 115V AC: EDGE1/BOX/115
Cycles per day (opening/closing 24h no stop)	1.000

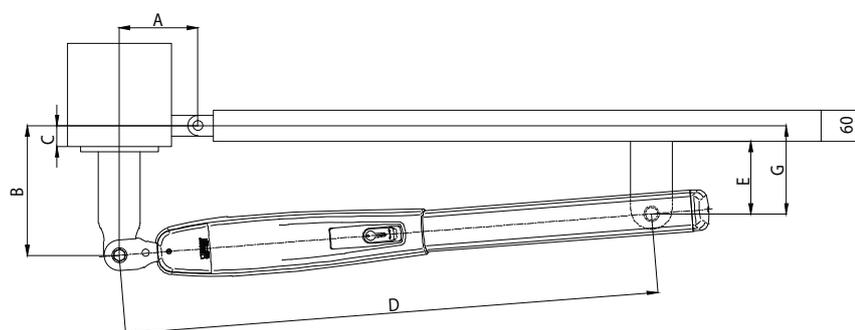
Dimensions



Usage limits



Predisposition for standard installation



SMARTY						
A	B	C (max)	D (max)	E	G	α°
200	200	200	1180	140	170	98°
200	230	200	1180	140	170	97°
200	260	200	1180	140	170	96°
200	280	200	1180	140	170	95°
220	300	200	1180	140	170	93°
220	220	200	1180	140	170	102°
220	250	200	1180	140	170	100°
220	280	200	1180	140	170	98°
250	200	200	1180	140	170	106°
250	250	200	1180	140	170	94°



BRUSHLESS MOTOR

SERIE H30



BH30/603

PRODUCT

Code	Product Description	Pcs/ Pallet
BH30/603	Electromechanical BRUSHLESS motor, low voltage, super intensive use, with native encoder onboard, irreversible ideal for sliding gates from 400 Kg to 600 Kg. with built-in digital controller B70 series, mechanical limit switch.	44
BH30/603/115	Version BH30/603 with power supply 115V AC, mechanical limit switch ideal for sliding gates from 400 Kg to 600 Kg.	44

ACCESSORIES

KT214/SC	Adapter plate with stay bolts and screws H30 series
KT221	Raised fixing plate for H30 series
GA550	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA551	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA553	Nylon rack module 4 with 6 connectors L.1000
GA554	Pocket of 6 spacers and screws
R99/C/001	Signboard "Automatic Opening"

TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +-10%
Brushless motor power supply	24V
Motor power	130W
Frequency of use	Super intensive use
Operating temperature	-20 +55°C
Protection level	IP43
Manoeuvre speed	12 m/min
Max thrust	50 - 600 N
Max gate weight	From 400 to 600 kg
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Limit switch	Mechanical limit switch
Onboard control unit	B70/1DC
Cycles per day (opening/closing 24h no stop)	1.300
Batteries Recovery	Optional 2 internal battery 12V DC - 1,2AH Optional 2 external battery 12V DC - 4,5AH

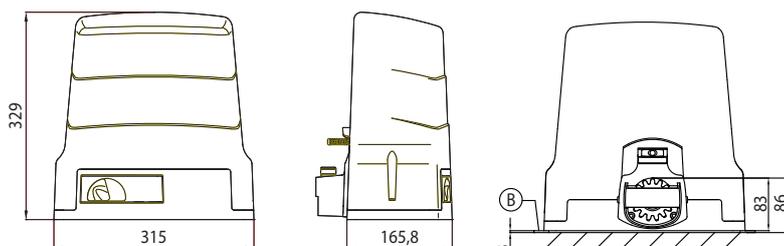
STANDARD ACCESSORIES

Always included in the individual product package or kit

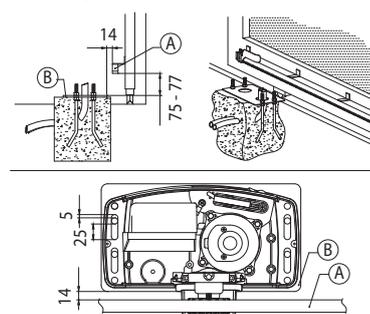


KT214
Fixing plate with stay bolts and screws H30 series - Pcs.1
MC773
Kit mechanical limit witch for control unit H70/103AC, H70/104AC, B70/1DC and B70/1DCHP - Pcs.1

Dimensions



Predisposition for standard installations



A = Rack
B = Fastening plate



BRUSHLESS MOTOR

SERIE H30



BH30/604

PRODUCT

Code	Product Description	Pcs/ Pallet
BH30/604	Electromechanical BRUSHLESS motor, low voltage, super intensive use, with native encoder onboard, irreversible ideal for sliding gates from 400 Kg to 600 Kg. with built-in digital controller B70 series, magnetic limit switch.	44
BH30/604/115	Version BH30/604 with power supply 115V AC, magnetic limit switch ideal for sliding gates from 400 Kg to 600 Kg.	44

ACCESSORIES

KT214/SC	Adapter plate with stay bolts and screws H30 series
KT221	Raised fixing plate for H30 series
GA550	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA551	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA553	Nylon rack module 4 with 6 connectors L.1000
GA554	Pocket of 6 spacers and screws
R99/C/001	Signboard "Automatic Opening"

TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +10%
Brushless motor power supply	24V
Motor power	130W
Frequency of use	Super intensive use
Operating temperature	-20 +55°C
Protection level	IP43
Manoeuvre speed	12 m/min
Max thrust	50 - 600 N
Max gate weight	From 400 to 600 kg
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Limit switch	Magnetic limit switch
Onboard control unit	B70/1DC
Cycles per day (opening/closing 24h no stop)	1.300
Batteries Recovery	Optional 2 internal battery 12V DC - 1,2AH Optional 2 external battery 12V DC - 4,5AH

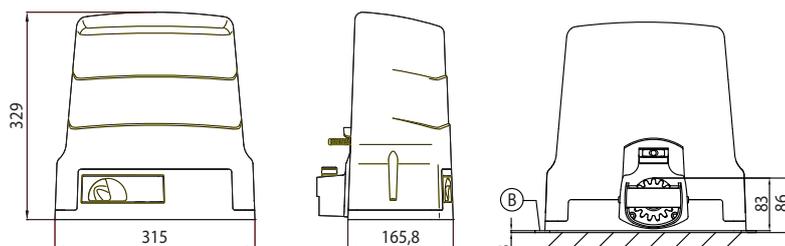
STANDARD ACCESSORIES

Always included in the individual product package or kit

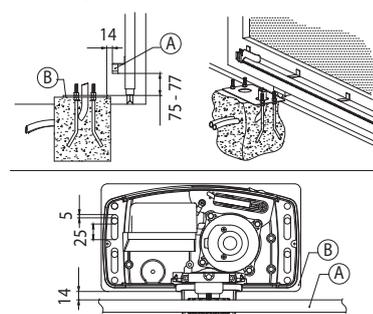


KT214
Fixing plate with stay bolts and screws H30 series - Pcs.1
MC775
Kit magnetic limit switch for control unit H70/103AC, H70/104AC, B70/1DC and B70/1DCHP - Pcs.1

Dimensions



Predisposition for standard installations



A = Rack
B = Fastening plate

BRUSHLESS MOTOR

SERIE H30



BH30/803

PRODUCT

Code	Product Description	Pcs/ Pallet
BH30/803	Electromechanical BRUSHLESS motor, low voltage, super intensive use, with native encoder onboard, irreversible ideal for sliding gates from 800 Kg to 1000 Kg. with built-in digital controller B70 series, mechanical limit switch.	44
BH30/803/115	Version bh30/803 with power supply 115V AC, mechanical limit switch ideal for sliding gates from 800 Kg to 1000 Kg.	44

ACCESSORIES

KT214/SC	Adapter plate with stay bolts and screws H30 series
KT221	Raised fixing plate for H30 series
GA550	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA551	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA553	Nylon rack module 4 with 6 connectors L.1000
GA554	Pocket of 6 spacers and screws
R99/C/001	Signboard "Automatic Opening"

TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +-10%
Brushless motor power supply	24V
Motor power	200W
Frequency of use	Super intensive use
Operating temperature	-20 +55°C
Protection level	IP43
Manoeuvre speed	12 m/min
Max thrust	50 - 1.000 N
Max gate weight	From 800 to 1000 kg
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Limit switch	Mechanical limit switch
Onboard control unit	B70/1DC
Cycles per day (opening/closing 24h no stop)	1.300
Batteries Recovery	Optional 2 internal battery 12V DC - 1,2AH Optional 2 external battery 12V DC - 4,5AH

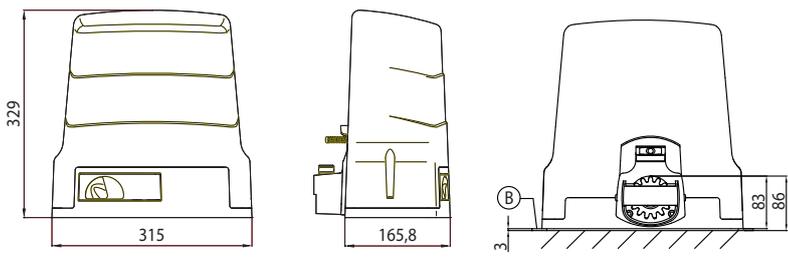
STANDARD ACCESSORIES

Always included in the individual product package or kit

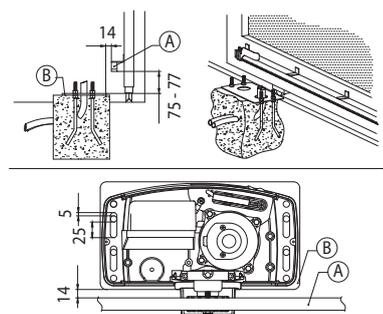


KT214
Fixing plate with stay bolts and screws H30 series - Pcs.1
MC773
Kit mechanical limit switch for control unit H70/103AC, H70/104AC, B70/1DC and B70/1DCHP - Pcs.1

Dimensions



Predisposition for standard installations



A = Rack
B = Fastening plate



BRUSHLESS MOTOR

SERIE H30



BH30/804

PRODUCT

Code	Product Description	Pcs/ Pallet
BH30/804	Electromechanical BRUSHLESS motor, low voltage, super intensive use, with native encoder onboard, irreversible ideal for sliding gates from 800 Kg to 1000 Kg. with built-in digital controller B70 series, magnetic limit switch.	44
BH30/804/115	Version BH30/804 with power supply 115V AC, magnetic limit switch ideal for sliding gates from 800 Kg to 1000 Kg.	44

ACCESSORIES

KT214/SC	Adapter plate with stay bolts and screws H30 series
KT221	Raised fixing plate for H30 series
GA550	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA551	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA553	Nylon rack module 4 with 6 connectors L.1000
GA554	Pocket of 6 spacers and screws
R99/C/001	Signboard "Automatic Opening"

TECHNICAL FEATURES

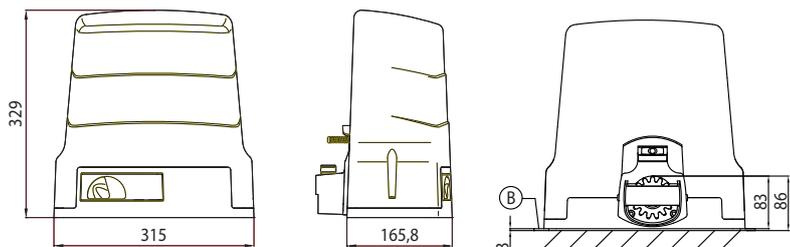
Power Supply	230V AC - 115V AC 50/60Hz +10%
Brushless motor power supply	24V
Motor power	200W
Frequency of use	Super intensive use
Operating temperature	-20 +55°C
Protection level	IP43
Manoeuvre speed	12 m/min
Max thrust	50 - 1.000 N
Max gate weight	From 800 to 1000 kg
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Limit switch	Magnetic limit switch
Onboard control unit	B70/1DC
Cycles per day (opening/closing 24h no stop)	1.300
Batteries Recovery	Optional 2 internal battery 12V DC - 1,2AH Optional 2 external battery 12V DC - 4,5AH

STANDARD ACCESSORIES
Always included in the individual product package or kit

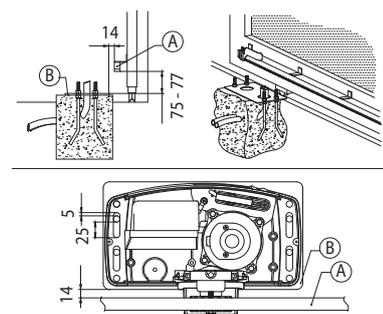


KT214
Fixing plate with stay bolts and screws H30 series - Pcs.1
MC775
Kit magnetic limit switch for control unit H70/103AC, H70/104AC, B70/1DC and B70/1DCHP - Pcs.1

Dimensions



Predisposition for standard installations



A = Rack
B = Fastening plate

BRUSHLESS MOTOR

SERIE H30



BH30/503/HS

PRODUCT

Code	Product Description	Pcs/ Pallet
BH30/503/HS	Electromechanical HIGH SPEED BRUSHLESS motor, low voltage, intensive use, with native encoder onboard, irreversible ideal for sliding gates up to 500 Kg. with built in digital controller B70 series, mechanical limit switch.	44
BH30/503/HS/115	Version BH30/503/HS with power supply 115V AC, mechanical limit switch ideal for sliding gates up to 500 kg.	44

ACCESSORIES

KT214/SC	Adapter plate with stay bolts and screws H30 series
KT221	Raised fixing plate for H30 series
GA550	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA551	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA553	Nylon rack module 4 with 6 connectors L.1000
GA554	Pocket of 6 spacers and screws
R99/C/001	Signboard "Automatic Opening"

TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +-10%
Brushless motor power supply	24V
Motor power	200W
Frequency of use	Super intensive use
Operating temperature	-20 +55°C
Protection level	IP43
Manoeuvre speed	26 m/min
Max thrust	50 - 500 N
Max gate weight	500 kg
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Limit switch	Mechanical limit switch
Onboard control unit	B70/1DC
Cycles per day (opening/closing 24h no stop)	800
Batteries Recovery	Optional 2 internal battery 12V DC - 1,2AH Optional 2 external battery 12V DC - 4,5AH

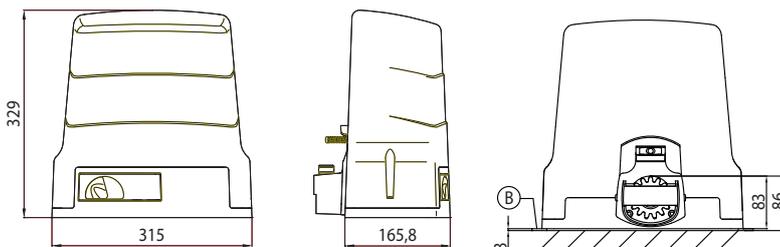
STANDARD ACCESSORIES
Always included in the individual product package or kit



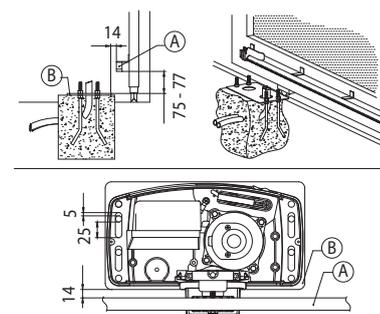
KT214
Fixing plate with stay bolts and screws H30 series - Pcs.1

MC773
Kit mechanical limit witch for control unit H70/103AC, H70/104AC, B70/1DC and B70/1DCHP - Pcs.1

Dimensions



Predisposition for standard installations



A = Rack
B = Fastening plate



BRUSHLESS MOTOR

SERIE H30



BH30/504/HS

PRODUCT

Code	Product Description	Pcs/ Pallet
BH30/504/HS	Electromechanical HIGH SPEED BRUSHLESS motor, low voltage, intensive use, with native encoder onboard, irreversible ideal for sliding gates up to 500 Kg. with built in digital controller B70 series, magnetic limit switch.	44
BH30/504/HS/115	Version BH30/504/HS with power supply 115V AC, magnetic limit switch ideal for sliding gates up to 500 kg.	44

ACCESSORIES

KT214/SC	Adapter plate with stay bolts and screws H30 series
KT221	Raised fixing plate for H30 series
GA550	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA551	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA553	Nylon rack module 4 with 6 connectors L.1000
GA554	Pocket of 6 spacers and screws
R99/C/001	Signboard "Automatic Opening"

TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +10%
Brushless motor power supply	24V
Motor power	200W
Frequency of use	Super intensive use
Operating temperature	-20 +55°C
Protection level	IP43
Manoeuvre speed	26 m/min
Max thrust	50 - 600 N
Max gate weight	500 kg
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Limit switch	Magnetic limit switch
Onboard control unit	B70/1DC
Cycles per day (opening/closing 24h no stop)	800
Batteries Recovery	Optional 2 internal battery 12V DC - 1,2AH Optional 2 external battery 12V DC - 4,5AH

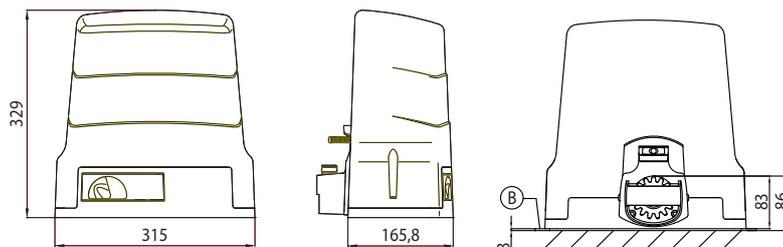
STANDARD ACCESSORIES

Always included in the individual product package or kit

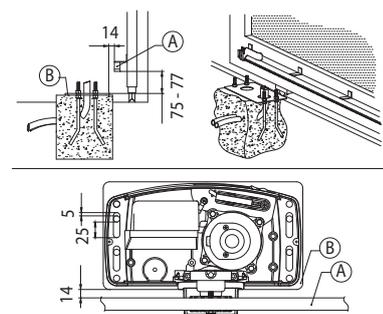


KT214
Fixing plate with stay bolts and screws H30 series - Pcs.1
MC775
Kit magnetic limit switch for control unit H70/103AC, H70/104AC, B70/1DC and B70/1DCHP - Pcs.1

Dimensions



Predisposition for standard installations



A = Rack
B = Fastening plate

BRUSHLESS MOTOR

SERIE G30



BH30/1603

PRODUCT

Code	Product Description	Pcs/ Pallet
BG30/1603	Electromechanical BRUSHLESS motor, low voltage, intensive use, with native encoder onboard, irreversible ideal for sliding gates up to 1600 Kg. with built in digital controller B70 series, mechanical limit switch.	40
BG30/1603/115	Version BG30/1603 with power supply 115V AC, mechanical limit switch ideal for sliding gates up to 1600 kg.	40

ACCESSORIES

KT222	Raised fixing plate for G30 series
GA550	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA551	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA553	Nylon rack module 4 with 6 connectors L.1000
GA554	Pocket of 6 spacers and screws
R99/C/001	Signboard "Automatic Opening"

TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +-10%
Brushless motor power supply	36V
Motor power	390W
Frequency of use	Intensive use
Motor type	Irreversible
Operating temperature	-20 +55°C
Protection level	IP43
Manoeuvre speed	12 m/min
Max thrust	50 - 1200 N
Max gate weight	Max 1600 kg
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Limit switch	Mechanical limit switch
Onboard control unit	B70/1DCHP
Cycles per day (opening/closing 24h no stop)	1000
Batteries Recovery	Optional 2 external battery 12V DC - 4,5AH

STANDARD ACCESSORIES

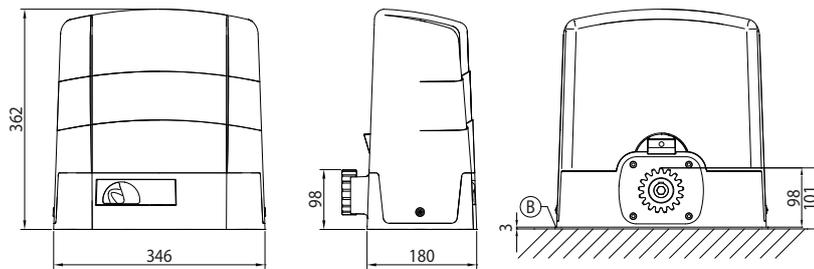
Always included in the individual product package or kit



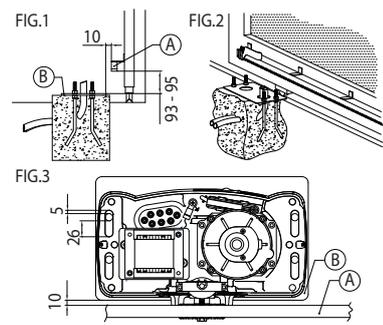
KT215
Fixing plate with stay bolts and screws G30 series - Pcs.1

MC773
Kit mechanical limit witch for control unit H70/103AC, H70/104AC, B70/1DC and B70/1DCHP - Pcs.1

Dimensions



Predisposition for standard installations



A = Rack
B = Fastening plate



BRUSHLESS MOTOR

SERIE G30



BG30/1604

PRODUCT

Code	Product Description	Pcs/ Pallet
BG30/1604	Electromechanical BRUSHLESS motor, low voltage, intensive use, with native encoder onboard, irreversible ideal for sliding gates up to 1600 Kg. with built in digital controller B70 series, magnetic limit switch.	40
BG30/1604/115	Version BG30/1604 with power supply 115V AC, magnetic limit switch ideal for sliding gates up to 1600 kg.	40

ACCESSORIES

KT222	Raised fixing plate for G30 series
GA550	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA551	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA553	Nylon rack module 4 with 6 connectors L.1000
GA554	Pocket of 6 spacers and screws
R99/C/001	Signboard "Automatic Opening"

TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +10%
Brushless motor power supply	36V
Motor power	390W
Frequency of use	Intensive use
Motor type	Irreversible
Operating temperature	-20 +55°C
Protection level	IP43
Manoeuvre speed	12 m/min
Max thrust	50 - 1200 N
Max gate weight	Max 1600 kg
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Limit switch	Magnetic
Onboard control unit	B70/1DCHP
Cycles per day (opening/closing 24h no stop)	1000
Batteries Recovery	Optional 2 external battery 12V DC - 4,5AH

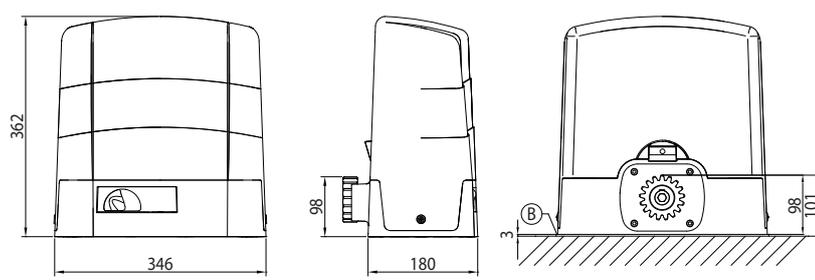
STANDARD ACCESSORIES

Always included in the individual product package or kit

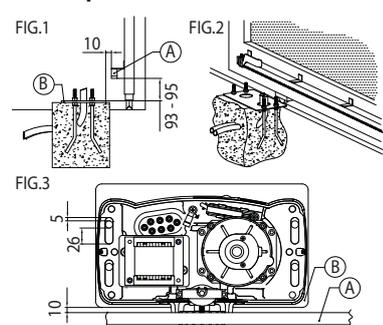


KT215
Fixing plate with stay bolts and screws G30 series - Pcs.1
MC775
Kit magnetic limit switch for control unit H70/103AC, H70/104AC, B70/1DC and B70/1DCHP - Pcs.1

Dimensions



Predisposition for standard installations



A = Rack
B = Fastening plate



BRUSHLESS MOTOR

SERIE G30



BG30/2203

PRODUCT

Code	Product Description	Pcs/ Pallet
BG30/2203	Electromechanical BRUSHLESS motor, low voltage, intensive use, with native encoder onboard, irreversible ideal for sliding gates up to 2200 Kg. with built in digital controller B70 series, mechanical limit switch.	40
BG30/2203/115	Version BG30/2203 with power supply 115V AC, mechanical limit switch ideal for sliding gates up to 2200 kg.	40

ACCESSORIES

KT222	Raised fixing plate for G30 series
GA550	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA551	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA553	Nylon rack module 4 with 6 connectors L.1000
GA554	Pocket of 6 spacers and screws
R99/C/001	Signboard "Automatic Opening"

TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +-10%
Brushless motor power supply	36V
Motor power	470W
Frequency of use	Intensive use
Motor type	Irreversible
Operating temperature	-20 +55°C
Protection level	IP43
Manoeuvre speed	9,5 m/min
Max thrust	50 - 1700 N
Max gate weight	Max 2200 kg
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Limit switch	Mechanical limit switch
Onboard control unit	B70/1DCHP
Cycles per day (opening/closing 24h no stop)	1000
Batteries Recovery	Optional 2 external battery 12V DC - 4,5AH

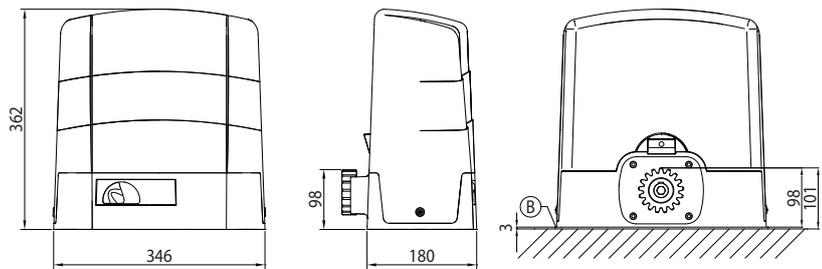
STANDARD ACCESSORIES

Always included in the individual product package or kit

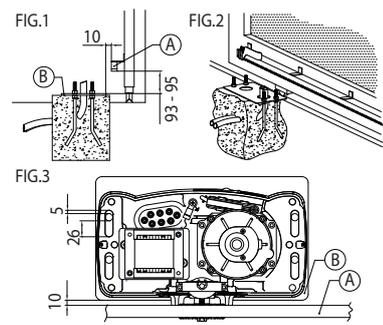


KT215
Fixing plate with stay bolts and screws G30 series - Pcs.1
MC773
Kit mechanical limit witch for control unit H70/103AC, H70/104AC, B70/1DC and B70/1DCHP - Pcs.1

Dimensions



Predisposition for standard installations



A = Rack
B = Fastening plate



BRUSHLESS MOTOR

SERIE G30



BG30/2204

PRODUCT

Code	Product Description	Pcs/ Pallet
BG30/2204	Electromechanical BRUSHLESS motor, low voltage, intensive use, with native encoder onboard, irreversible ideal for sliding gates up to 2200 Kg. with built in digital controller B70 series, magnetic limit switch.	40
BG30/2204/115	Version BG30/2204 with power supply 115V AC, magnetic limit switch ideal for sliding gates up to 2200 kg.	40

ACCESSORIES

KT222	Raised fixing plate for G30 series
GA550	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA551	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA553	Nylon rack module 4 with 6 connectors L.1000
GA554	Pocket of 6 spacers and screws
R99/C/001	Signboard "Automatic Opening"

TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +10%
Brushless motor power supply	36V
Motor power	470W
Frequency of use	Intensive use
Motor type	Irreversible
Operating temperature	-20 +55°C
Protection level	IP43
Manoeuvre speed	9,5 m/min
Max thrust	50 - 1700 N
Max gate weight	Max 2200 kg
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Limit switch	Magnetic
Onboard control unit	B70/1DCHP
Cycles per day (opening/closing 24h no stop)	1000
Batteries Recovery	Optional 2 external battery 12V DC - 4,5AH

STANDARD ACCESSORIES

Always included in the individual product package or kit



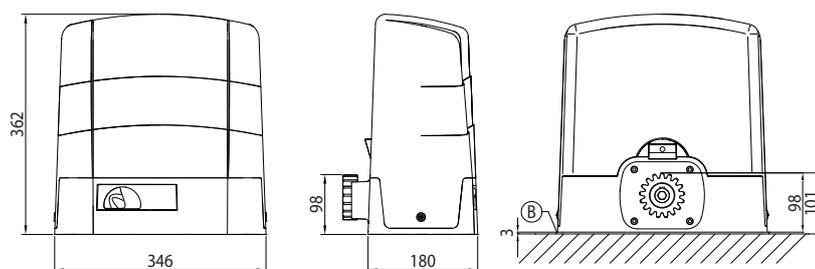
KT215

Fixing plate with stay bolts and screws G30 series - Pcs.1

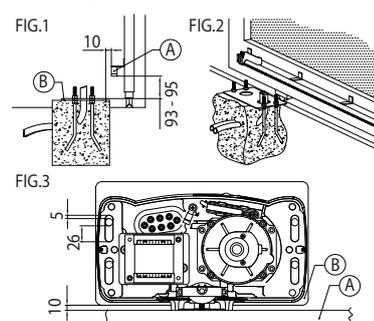
MC775

Kit magnetic limit switch for control unit H70/103AC, H70/104AC, B70/1DC and B70/1DCHP - Pcs.1

Dimensions



Predisposition for standard installations



A = Rack

B = Fastening plate

BRUSHLESS MOTOR

SERIE G30



BG30/1003/HS

PRODUCT

Code	Product Description	Pcs/ Pallet
BG30/1003/HS	Electromechanical HIGH SPEED BRUSHLESS motor, low voltage, intensive use, with native encoder onboard, irreversible ideal for sliding gates up to 1000 Kg. with built in digital controller B70 series, mechanical limit switch.	40
BG30/1003/HS/115	Version BG30/1003/HS with power supply 115V AC, mechanical limit switch ideal for sliding gates up to 1000 kg.	40

ACCESSORIES

KT222	Raised fixing plate for G30 series
GA550	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA551	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA553	Nylon rack module 4 with 6 connectors L.1000
GA554	Pocket of 6 spacers and screws
R99/C/001	Signboard "Automatic Opening"

TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +-10%
Brushless motor power supply	36V
Motor power	590W
Frequency of use	Intensive use
Motor type	Irreversible
Operating temperature	-20 +55°C
Protection level	IP43
Manoeuvre speed	19,8 m/min
Max thrust	50 - 800 N
Max gate weight	Max 1000 kg
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Limit switch	Mechanical limit switch
Onboard control unit	B70/1DCHP
Cycles per day (opening/closing 24h no stop)	800
Batteries Recovery	Optional 2 external battery 12V DC - 4,5AH

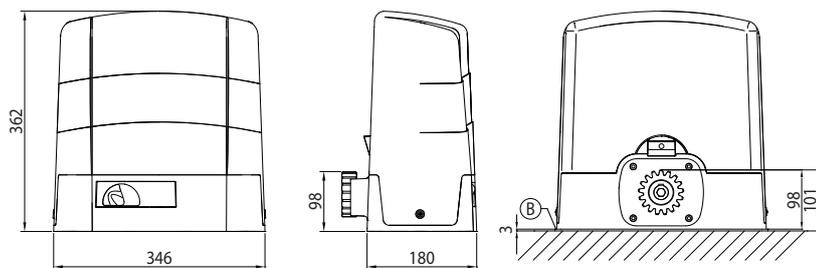
STANDARD ACCESSORIES

Always included in the individual product package or kit

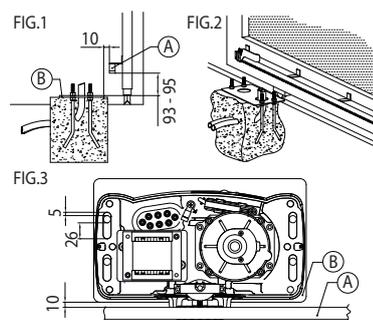


KT215
Fixing plate with stay bolts and screws G30 series - Pcs.1
MC773
Kit mechanical limit witch for control unit H70/103AC, H70/104AC, B70/1DC and B70/1DCHP - Pcs.1

Dimensions



Predisposition for standard installations



A = Rack
B = Fastening plate



BRUSHLESS MOTOR

SERIE G30



BG30/1004/HS

PRODUCT

Code	Product Description	Pcs/ Pallet
BG30/1004/HS	Electromechanical HIGH SPEED BRUSHLESS motor, low voltage, intensive use, with native encoder onboard, irreversible ideal for sliding gates up to 1000 Kg. with built in digital controller B70 series, magnetic limit switch.	40
BG30/1004/HS/115	Version BG30/1004/HS with power supply 115V AC, magnetic limit switch ideal for sliding gates up to 1000 kg.	40

ACCESSORIES

KT222	Raised fixing plate for G30 series
GA550	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA551	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA553	Nylon rack module 4 with 6 connectors L.1000
GA554	Pocket of 6 spacers and screws
R99/C/001	Signboard "Automatic Opening"

TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +10%
Brushless motor power supply	36V
Motor power	590W
Frequency of use	Intensive use
Motor type	Irreversible
Operating temperature	-20 +55°C
Protection level	IP43
Manoeuvre speed	19,8 m/min
Max thrust	50 - 800 N
Max gate weight	Max 1000 kg
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Limit switch	Magnetic
Onboard control unit	B70/1DCHP
Cycles per day (opening/closing 24h no stop)	800
Batteries Recovery	Optional 2 external battery 12V DC - 4,5AH

STANDARD ACCESSORIES

Always included in the individual product package or kit



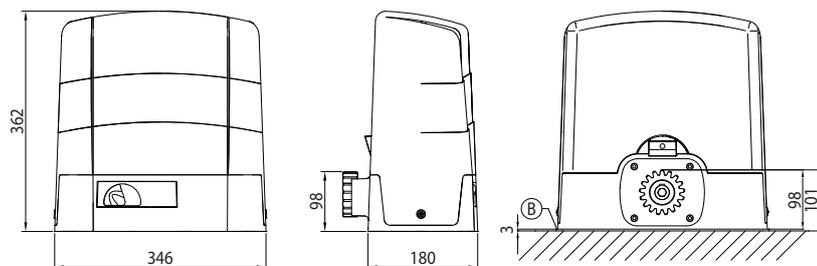
KT215

Fixing plate with stay bolts and screws G30 series - Pcs.1

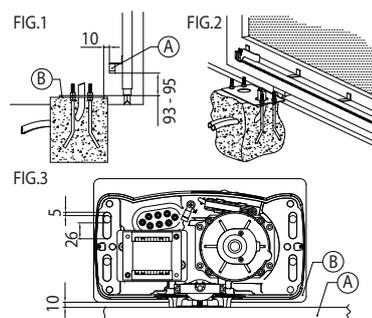
MC775

Kit magnetic limit switch for control unit H70/103AC, H70/104AC, B70/1DC and B70/1DCHP - Pcs.1

Dimensions



Predisposition for standard installations



A = Rack

B = Fastening plate

BRUSHLESS MOTOR

SERIE G30



BG30/1804/HS

PRODUCT

Code	Product Description	Pcs/ Pallet
BG30/1804/HS	Electromechanical HIGH SPEED BRUSHLESS motor, low voltage, intensive use, with native encoder onboard, irreversible ideal for sliding gates up to 1800 Kg. with built in digital controller B70 series, magnetic limit switch.	40
BG30/1804/HS/115	Version BG30/1804/HS with power supply 115V AC, magnetic limit switch ideal for sliding gates up to 1800 kg.	40

ACCESSORIES

KT222	Raised fixing plate for G30 series
GA550	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA551	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA553	Nylon rack module 4 with 6 connectors L.1000
GA554	Pocket of 6 spacers and screws
R99/C/001	Signboard "Automatic Opening"

TECHNICAL FEATURES

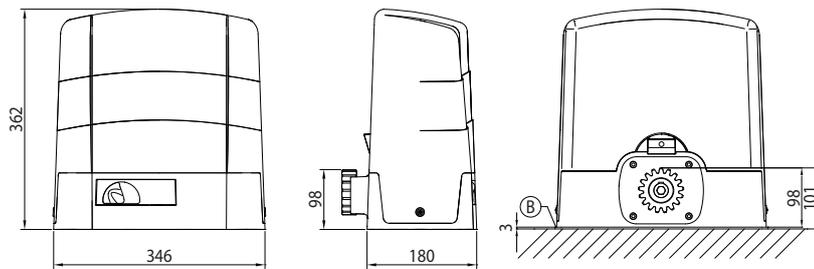
Power Supply	230V AC - 115V AC 50/60Hz +10%
Brushless motor power supply	36V
Motor power	650W
Frequency of use	Intensive use
Motor type	Irreversible
Operating temperature	-20 +55°C
Protection level	IP43
Manoeuvre speed	18 m/min
Max thrust	50 - 1250 N
Max gate weight	Max 1800 kg
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Limit switch	Magnetic
Onboard control unit	B70/1DCHP
Cycles per day (opening/closing 24h no stop)	800
Batteries Recovery	Optional 2 external battery 12V DC - 4,5AH

STANDARD ACCESSORIES
Always included in the individual product package or kit

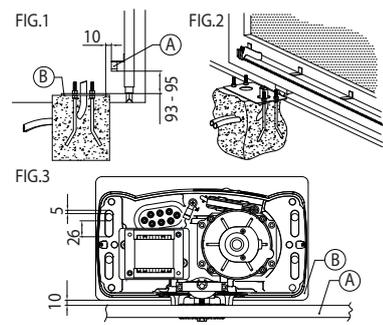


KT215
Fixing plate with stay bolts and screws G30 series - Pcs.1
MC775
Kit magnetic limit switch for control unit H70/103AC, H70/104AC, B70/1DC and B70/1DCHP - Pcs.1

Dimensions



Predisposition for standard installations



A = Rack
B = Fastening plate



BRUSHLESS MOTOR

SERIE G30



BG30/1404/R

PRODUCT

Code	Product Description	Pcs/ Pallet
BG30/1404/R	Electromechanical BRUSHLESS motor, low voltage, intensive use, with native encoder onboard, REVERSIBLE ideal for sliding gates up to 1400 Kg. with built in digital controller B70 series, magnetic limit switch.	40
BG30/1404/R/115	Version BG30/1404/R with power supply 115V AC, magnetic limit switch ideal for sliding gates up to 1400 kg.	40

ACCESSORIES

KT222	Raised fixing plate for G30 series
GA550	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA551	Galvanised steel rack 30x12x1000 module 4 with spacers and screws
GA553	Nylon rack module 4 with 6 connectors L.1000
GA554	Pocket of 6 spacers and screws
R99/C/001	Signboard "Automatic Opening"

TECHNICAL FEATURES

Power Supply	230V AC - 115V AC 50/60Hz +10%
Brushless motor power supply	36V
Motor power	540W
Frequency of use	Intensive use
Motor type	Reversible
Operating temperature	-20 +55°C
Protection level	IP43
Manoeuvre speed	16,5 m/min
Max thrust	50 - 600 N
Max gate weight	Max 1400 kg
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Limit switch	Magnetic
Onboard control unit	B70/1DCHP
Cycles per day (opening/closing 24h no stop)	800
Batteries Recovery	Optional 2 external battery 12V DC - 4,5AH

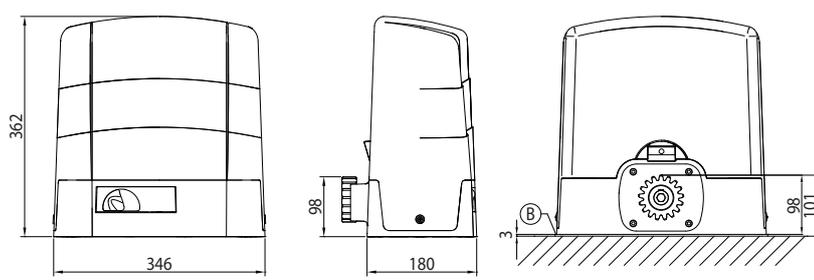
STANDARD ACCESSORIES

Always included in the individual product package or kit

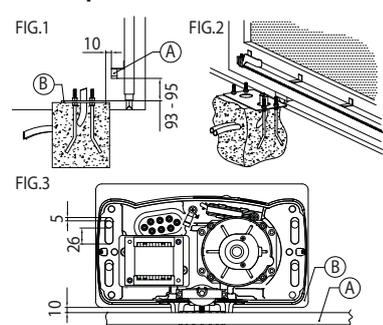


KT215
Fixing plate with stay bolts and screws G30 series - Pcs. 1
MC775
Kit magnetic limit switch for control unit H70/103AC, H70/104AC, B70/1DC and B70/1DCHP - Pcs. 1

Dimensions



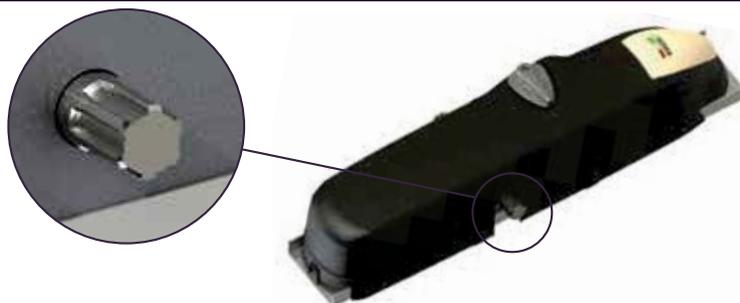
Predisposition for standard installations



A = Rack
B = Fastening plate

BRUSHLESS MOTOR

SERIE R41



BR41/831

PRODUCT

Code	Description	Pcs/ Pallet
BR41/831	Electromechanical BRUSHLESS motor, low voltage, super intensive use, for overhead doors up to 8 sq. m, with incorporated control unit B70/1B, mechanical limit switch, version splined shaft.	50

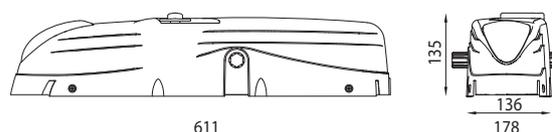
ACCESSORIES

LT306	Pair of drive shafts L200 mm complete with support
LT307	Pair of drive shafts L1500 mm complete with support
LT308	Pair of drive shafts L2000 mm complete with support
LT304	Pair of short telescopic arms 600 mm with splined bushing and plate for welding on
LT305	Pair of long telescopic arms 800 mm with splined bushing and plate for welding on
LT309	Pair of short telescopic arms 600 mm with cylindrical bushing and plate for welding on.
LT310	Pair of long telescopic arms 800 mm with cylindrical bushing and plate for welding on.
LT311	Pair of short telescopic arms 600 mm with plate for welding on
LT312	Pair of long telescopic arms 800 mm with plate for welding on
LT313	Rough splined bushing for welding on
LT321	Shaft support for R41 series
LT322	Pair long curved telescopic arms 800 mm with cylindrical bushing and plate for welding on
LT323	Pair long curved telescopic arms 800 mm with splined bushing and plate for welding on
RL653	Kit for release from outside with key and extension
RL656	Kit for release from outside with key (variable key code)
RL657	Kit for release from outside without handle for R41 series
RL662	Kit for release from outside with key (fixed key code KA3001)
KT216	Supporting plate L.619 mm for R41 series
KT217	Fixing plate L.2000 mm for R41 series
R99/C/001	Signboard Automatic Opening"

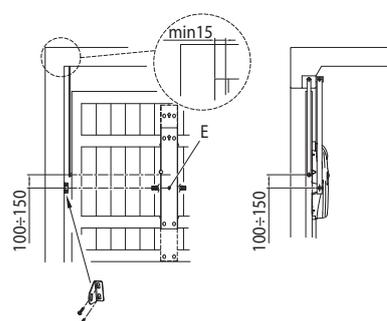
TECHNICAL FEATURES

Power Supply	230V AC 50/60Hz +-10%
Brushless motor power supply	24V
Motor power	150W
Frequency of use	Super intensive use
Operating temperature	-20 +55°C
Protection level	IP40
Max thrust	50 - 380 N
Manoeuvre speed	Adjustable
Opening time at 90°	Adjustable
Max load size	8m ²
Limit switch	Microswitch in opening and closing
Onboard control unit	B70/1B
Type output shaft	Splined shaft z6 UNI 221
Cycles per day (opening/closing 24h no stop)	800

Dimensions



Predisposition for standard installations





BRUSHLESS MOTOR

SERIE R41



BR41/831/Q

PRODUCT

Code	Description	Pcs/ Pallet
BR41/831/Q	Electromechanical BRUSHLESS motor, low voltage, super intensive use, for overhead doors up to 8 sq. m, with incorporated control unit B70/1B, mechanical limit switch, version with square connection.	50

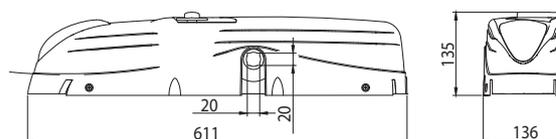
ACCESSORIES

LT308Q	Pair of drive shafts L2000 mm, version square connection
LT325	Mounting accessories for driving device with square transmission tube
LT326	Drive shaft L3000 mm, version square connection
LT304Q	Pair of short telescopic arms 600 mm version square connection, and plate for welding on
LT305Q	Pair of long telescopic arms 800 mm version square connection, and plate for welding on
LT311	Pair of short telescopic arms 600 mm with plate for welding on
LT312	Pair of long telescopic arms 800 mm with plate for welding on
LT322Q	Pair long curved telescopic arms 800 mm version square connection, and plate for welding on
RL653	Kit for release from outside with key and extension
RL656	Kit for release from outside with key (variable key code)
RL657	Kit for release from outside without handle for R41 series
RL662	Kit for release from outside with key (fixed key code KA3001)
KT216	Supporting plate L.619 mm for R41 series
KT217	Fixing plate L.2000 mm for R41 series
R99/C/001	Signboard Automatic Opening"

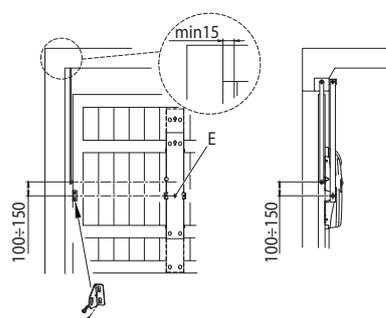
TECHNICAL FEATURES

Power Supply	230V AC 50/60Hz +-10%
Brushless motor power supply	24V
Motor power	150W
Frequency of use	Super intensive use
Operating temperature	-20 +55°C
Protection level	IP40
Max thrust	50 - 380 N
Manoeuvre speed	Adjustable
Opening time at 90°	Adjustable
Max load size	8m ²
Limit switch	Microswitch in opening and closing
Onboard control unit	B70/1B
Type output shaft:	Square connection 20x20mm
Cycles per day (opening/closing 24h no stop)	800

Dimensions

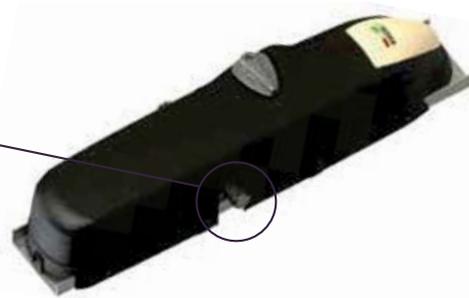


Predisposition for standard installations



BRUSHLESS MOTOR

SERIE R41



BR41/830

PRODUCT

Code	Description	Pcs/ Pallet
BR41/830	Electromechanical BRUSHLESS motor, low voltage, super intensive use, for overhead doors up to 8 sq. m, without control unit, mechanical limit switch, version splined shaft. (version for double motor installation)	50

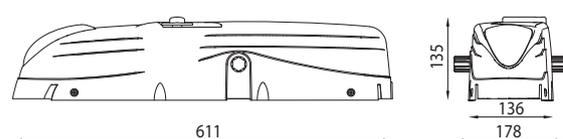
ACCESSORIES

LT306	Pair of drive shafts L200 mm complete with support
LT307	Pair of drive shafts L1500 mm complete with support
LT308	Pair of drive shafts L2000 mm complete with support
LT304	Pair of short telescopic arms 600 mm with splined bushing and plate for welding on
LT305	Pair of long telescopic arms 800 mm with splined bushing and plate for welding on
LT309	Pair of short telescopic arms 600 mm with cylindrical bushing and plate for welding on.
LT310	Pair of long telescopic arms 800 mm with cylindrical bushing and plate for welding on.
LT311	Pair of short telescopic arms 600 mm with plate for welding on
LT312	Pair of long telescopic arms 800 mm with plate for welding on
LT313	Rough splined bushing for welding on
LT321	Shaft support for R41 series
LT322	Pair long curved telescopic arms 800 mm with cylindrical bushing and plate for welding on
LT323	Pair long curved telescopic arms 800 mm with splined bushing and plate for welding on
RL653	Kit for release from outside with key and extension
RL656	Kit for release from outside with key (variable key code)
RL657	Kit for release from outside without handle for R41 series
RL662	Kit for release from outside with key (fixed key code KA3001)
KT216	Supporting plate L.619 mm for R41 series
KT217	Fixing plate L.2000 mm for R41 series
R99/C/001	Signboard Automatic Opening"

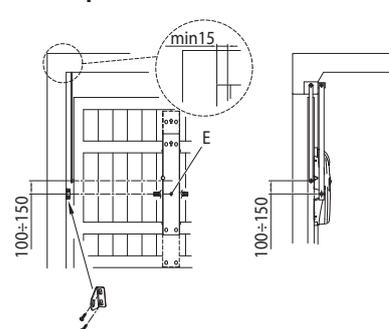
TECHNICAL FEATURES

Power Supply	230V AC 50/60Hz +-10%
Brushless motor power supply	24V
Motor power	150W
Frequency of use	Super intensive use
Operating temperature	-20 +55°C
Protection level	IP40
Max thrust	50 - 380 N
Manoeuvre speed	Adjustable
Opening time at 90°	Adjustable
Max load size	8m ²
Limit switch	Microswitch in opening and closing
Mandatory digital controller	230V AC: B70/2B/BOX
Type output shaft	Splined shaft z6 UNI 221
Cycles per day (opening/closing 24h no stop)	800

Dimensions



Predisposition for standard installations





BRUSHLESS MOTOR

SERIE R41



BR41/830/Q

PRODUCT

Code	Description	Pcs/ Pallet
BR41/830/Q	Electromechanical BRUSHLESS motor, low voltage, super intensive use, for overhead doors up to 8 sq. m, without control unit, mechanical limit switch, version splined shaft. (version for double motor installation)	50

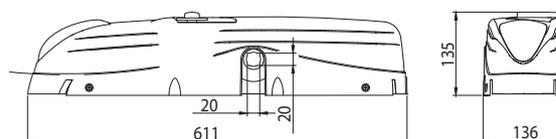
ACCESSORIES

LT308Q	Pair of drive shafts L2000 mm, version square connection
LT325	Mounting accessories for driving device with square transmission tube
LT326	Drive shaft L3000 mm, version square connection
LT304Q	Pair of short telescopic arms 600 mm version square connection, and plate for welding on
LT305Q	Pair of long telescopic arms 800 mm version square connection, and plate for welding on
LT311	Pair of short telescopic arms 600 mm with plate for welding on
LT312	Pair of long telescopic arms 800 mm with plate for welding on
LT322Q	Pair long curved telescopic arms 800 mm version square connection, and plate for welding on
RL653	Kit for release from outside with key and extension
RL656	Kit for release from outside with key (variable key code)
RL657	Kit for release from outside without handle for R41 series
RL662	Kit for release from outside with key (fixed key code KA3001)
KT216	Supporting plate L.619 mm for R41 series
KT217	Fixing plate L.2000 mm for R41 series
R99/C/001	Signboard Automatic Opening"

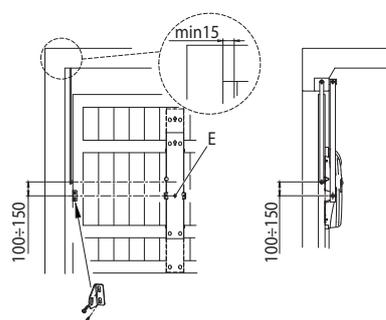
TECHNICAL FEATURES

Power Supply	230V AC 50/60Hz +-10%
Brushless motor power supply	24V
Motor power	150W
Frequency of use	Super intensive use
Operating temperature	-20 +55°C
Protection level	IP40
Max thrust	50 - 380 N
Manoeuvre speed	Adjustable
Opening time at 90°	Adjustable
Max load size	8m ²
Limit switch	Microswitch in opening and closing
Mandatory digital controller	230V AC: B70/2B/BOX
Type output shaft:	Square connection 20x20mm
Cycles per day (opening/closing 24h no stop)	800

Dimensions



Predisposition for standard installations



BRUSHLESS MOTOR

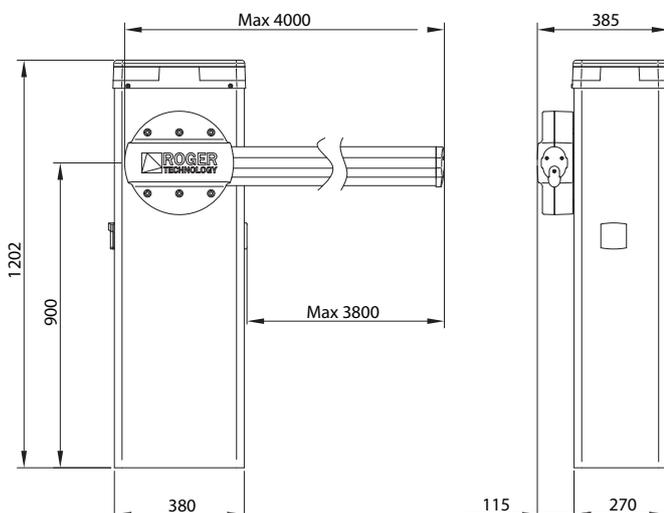
AGILIK 4



PRODUCT		
Code	Product Description	Pcs/ Pallet
AG/004	Digital Automatic Barrier Agilik 4 Brushless 36V DC super intensive use up to 4 meters, with operator and built-in digital control panel and absolute encoder on board	6
AG/004/IS	Digital Automatic Barrier Agilik 4 Brushless 36V DC super intensive use up to 4 meters, with operator and built-in digital control panel and absolute encoder on board, version with housing unit made in brushed stainless steel AISI 304	6
AG/004/115V	Digital Automatic Barrier Agilik 4 Brushless 36V DC super intensive use up to 4 meters, with operator and built-in digital control panel and absolute encoder on board; for power supply 115V	6
AG/004/IS/115V	Digital Automatic Barrier Agilik 4 Brushless 36V DC super intensive use up to 4 meters, with operator and built-in digital control panel and absolute encoder on board; for power supply 115V, version with housing unit made in brushed stainless steel AISI 304	6

TECHNICAL FEATURES	
Barriers	Up to 4 mt long
Frequency of use	Super intensive use
Travel control system	Digital Absolute Encoder (SENSORED)
Power Supply	230V AC - 115V AC 50/60Hz +-10%
Brushless motor power supply	From 0 to 36V DC
Motor absorption	From 0 to 15A
Motor power	200W
Torque at the gear	From 0 to 200 Nm
Opening - closing time at 90°	3 ÷ 6 (sec)
Operating temperature	- 20 + 55 C°
Protection Level	IP54
Accessories power supply	24V DC
Control unit (built-in)	AG/CTRL Digital Controller 36V DC
Release system	European Key cylinder
Batteries recovery	Available (optional)
BUS synchronization Master/Slave	Yes
Cycles per day (opening/closing 24h no stop)	5.000 (both)

Dimensions



STANDARD ACCESSORIES
Always included in the individual product package or kit

KT230
Foundation plate for the ground fixing with fixing screws and bolts - Pcs. 1
**inox version with KT230/IS*

ACCESSORIES

	AG/SP72/01	Balancing spring diameter 72 mm; for bar up to 4 meters
	AG/BLED	Flashing light circuit with 4 led cards for the head of the barriers Agilik
	AG/ALED6C	Luminous led cord of 6 meters for bar up to 3 meters with connection cable
	AG/ALED8C	Luminous led cord of 8 meters for bar up to 4 meters with connection cable
	AG/BA2/01	White painted elliptical aluminium bar 2 meters length with slot cover and impact resistant rubber profile
	AG/BA3/01	White painted elliptical aluminium bar 3 meters length with slot cover and impact resistant rubber profile
	AG/BA4/01	White painted elliptical aluminium bar 4 meters length with slot cover and impact resistant rubber profile
	AG/BAJ/02	Articulated joint at 90° with lower tie rod for boom arms series AGILIK up to 3 meters.
	AG/BAJ/03	Joint at 90° for elliptical tubular aluminium bar up to 3 m length
	AG/BARK/02	Painted aluminium rack for bars. Modules of 2 m length
	AG/BAFS/01	Fixed support for bars
	AG/BAFS/02	Adjustable fixed support for bars
	AG/BAFS/03	Fixing support with bolt predisposition for bars
	AG/BAFS/04	Adjustable fixed support with predisposition to bolt for bars
	AG/BAMS/01	Mobile support for bars
	AG/BAMS/01/EXT	Extension 16cm for mobile support for bars (AG/BAMS/01)
	AG/BAJ/01	Internal boom bar joint in anodized aluminum including fixing screws for bars Agilik series
	KT230	Foundation plate for the ground fixing with fixing screws and bolts
	KT230/IS	Foundation plate in stainless steel AISI 304, for the ground fixing with fixing screws and bolts
	KT231	Foundation plate for fixing support for bars
	AG/BASB40	Package of 40 red adhesive refracting strip
	DLD1/24	Loop detector for 1 loop, 2 output, 24V AC/DC
	DLD2/24	Loop detector for 2 loop, 2 output + output alarm, 24V AC/DC
	KT239	Kit DIN rail with magnetic support

BRUSHLESS MOTOR

AGILIK 6

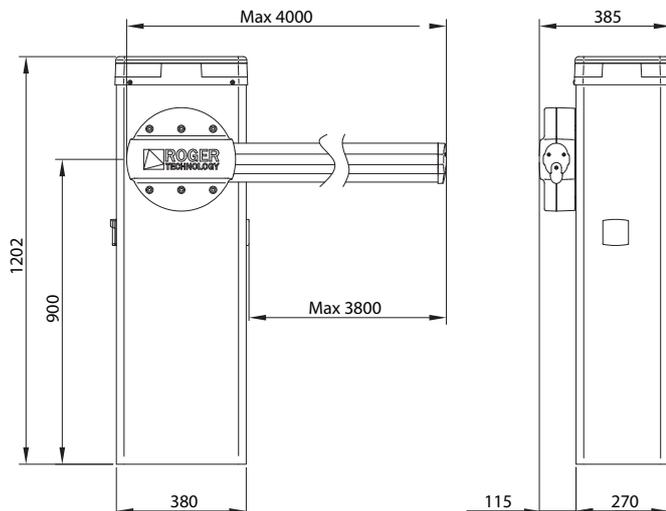


PRODUCT			TECHNICAL FEATURES	
Code	Product Description	Pcs/ Pallet		
AG/006	Digital Automatic Barrier Agilik 6 Brushless 36V DC super intensive use up to 6 meters, with operator and and built-in digital control panel and absolute encoder on board	6	Barriers	Up to 6 mt long
AG/006/IS	Digital Automatic Barrier Agilik 6 Brushless 36V DC super intensive use up to 6 meters, with operator and and built-in digital control panel and absolute encoder on board, version with housing unit made in brushed stainless steel AISI 304	6	Frequency of use	Super intensive use
AG/006/115V	Digital Automatic Barrier Agilik 6 Brushless 36V DC super intensive use up to 6 meters, with operator and built-in digital control panel and absolute encoder on board for power supply 115V	6	Travel control system	Digital Absolute Encoder (SENSORED)
AG/006/115V/IS	Digital Automatic Barrier Agilik 6 Brushless 36V DC super intensive use up to 6 meters, with operator and built-in digital control panel and absolute encoder on board for power supply 115V, version with housing unit made in brushed stainless steel AISI 304	6	Power Supply	230V AC - 115V AC 50/60Hz +10%
			Brushless motor power supply	From 0 to 36V DC
			Motor absorption	From 0 to 15A
			Motor power	200W
			Torque at the gear	From 0 to 300 Nm
			Opening - closing time at 90°	4 ÷ 8 (sec)
			Operating temperature	- 20 + 55 C°
			Protection Level	IP54
			Accessories power supply	24V DC
			Control unit (built-in)	AG/CTRL Digital Controller 36V DC
			Release system	European Key cylinder
			Batteries recovery	Available (optional)
			BUS synchronization Master/Slave	Yes
			Cycles per day (opening/closing 24h no stop)	4.000 (both)

STANDARD ACCESSORIES
Always included in the individual product package or kit

KT230
Foundation plate for the ground fixing with fixing screws and bolts - Pcs.1
**inox version with KT230/IS*

Dimensions



ACCESSORIES

	AG/SP83/01	Balancing spring diameter 83 mm; for bar from 4 meters to 6 meters
	AG/SP85/01	Spring diameter 85mm for series Agilik barriers, for boom arm up to 6 meters (with rack and mobile support installed on boom arm)
	AG/BLED	Flashing light circuit with 4 led cards for the head of the barriers Agilik
	AG/ALED12C	Luminous led cord of 12 meters for bar up to 6 meters with connection cable
	AG/BA2/01	White painted elliptical aluminium bar 2 meters length with slot cover and impact resisteng rubber profile
	AG/BA3/01	White painted elliptical aluminium bar 3 meters length with slot cover and impact resisteng rubber profile.
	AG/BA4/01	White painted elliptical aluminium bar 4 meters length with slot cover and impact resisteng rubber profile
	AG/BA6/01	White painted elliptical aluminium bar 6 meters length with slot cover and impact resisteng rubber profile
	AG/BARK/02	Painted aluminium rack for bars. Modules of 2 m length
	AG/BAFS/01	Fixed support for bars
	AG/BAFS/02	Adjustable fixed support for bars
	AG/BAFS/03	Fixing support with bolt predisposition for bars
	AG/BAFS/04	Adjustable fixed support with predisposition to bolt for bars
	AG/BAMS/01	Mobile support for bars
	AG/BAMS/01/EXT	Extension 16cm for mobile support for bars (AG/BAMS/01)
	AG/BAJ/01	Internal boom bar joint in anodized aluminum including fixing screws for bars Agilik series
	KT230	Foundation plate for the ground fixing with fixing screws and bolts
	KT230/IS	Foundation plate in stainless steel AISI 304, for the ground fixing with fixing screws and bolts
	KT231	Foundation plate for fixing support for bars
	AG/BASB40	Package of 40 red adhesive refracting strip
	DLD1/24	Loop detector for 1 loop, 2 output, 24V AC/DC
	DLD2/24	Loop detector for 2 loop, 2 output + output alarm, 24V AC/DC
	KT239	Kit DIN rail with magnetic support

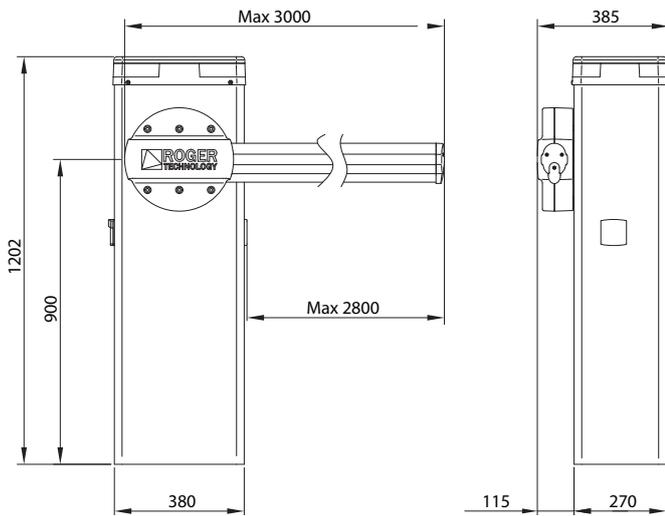
AGILIK 1 PE



PRODUCT

Code	Product Description	Pcs/ Pallet
AG/001PE	Digital Automatic Barrier Agilik Brushless 36V DC, rapid, super intensive use up to 3 meters, with operator and built-in digital control panel and absolute encoder on board; parking version	6

Dimensions



TECHNICAL FEATURES

Barriers	Up to 3 mt long
Frequency of use	Super intensive use
Travel control system	Digital Absolute Encoder (SENSORED)
Power Supply	230V AC - 115V AC 50/60Hz +-10%
Brushless motor power supply	From 0 to 36V DC
Motor absorption	From 0 to 15A
Motor power	450W
Torque at the gear	From 0 to 200 Nm
Opening - closing time at 90°	2 ÷ 4 (sec)
Operating temperature	- 20 + 55 C°
Protection Level	IP54
Accessories power supply	24V DC
Control unit (built-in)	AG/CTRL/P Digital Controller 36V DC
Release system	European Key cylinder
Batteries recovery	Available (optional)
BUS synchronization Master/Slave	No
Running "S" profile	Yes
Cycles per day (opening/closing 24h no stop)	8.000 (both)

STANDARD ACCESSORIES

Always included in the individual product package or kit



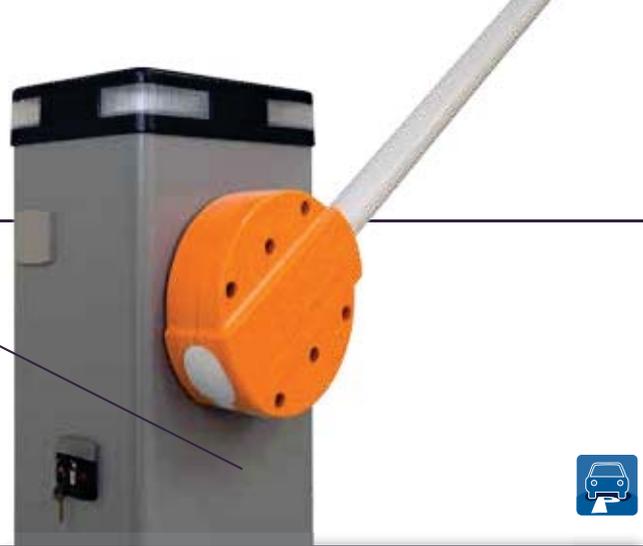
KT230
Foundation plate for the ground fixing with fixing screws and bolts - Pcs.1

ACCESSORIES

	AG/SP72/01	Balancing spring diameter 72 mm; for bar up to 4 meters
	AG/BLED	Flashing light circuit with 4 led cards for the head of the barriers Agilik
	AG/ALED6C	Luminous led cord of 6 meters for bar up to 3 meters with connection cable
	AG/BA2/01	White painted elliptical aluminium bar 2 meters length with slot cover and impact resisteng rubber profile
	AG/BA3/01	White painted elliptical aluminium bar 3 meters length with slot cover and impact resisteng rubber profile
	AG/BAJ/02	Articulated joint at 90° with lower tie rod for boom arms series AGILIK up to 3 meters.
	AG/BAJ/03	Joint at 90° for elliptical tubular aluminium bar up to 3 m length
	KT230	Foundation plate for the ground fixing with fixing screws and bolts
	AG/BASB40	Package of 40 red adhesive refracting strip
	DLD1/24	Loop detector for 1 loop, 2 output, 24V AC/DC
	DLD2/24	Loop detector for 2 loop, 2 output + output alarm, 24V AC/DC
	KT239	Kit DIN rail with magnetic support

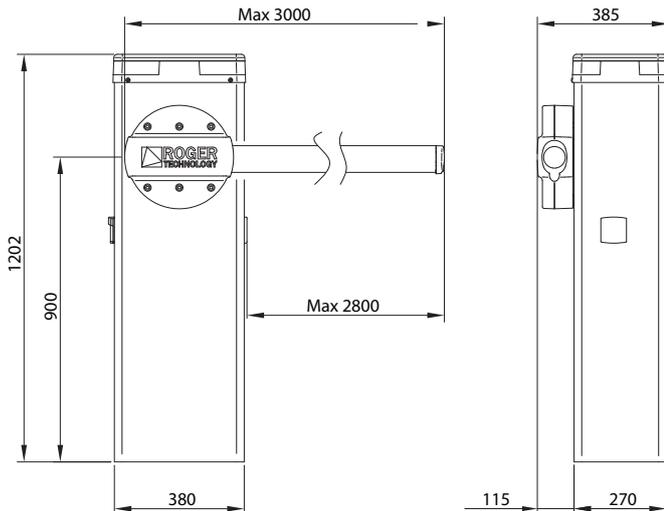
BRUSHLESS MOTOR

AGILIK 1 PC



PRODUCT		
Code	Product Description	Pcs/ Pallet
AG/001PC	Digital Automatic Barrier Agilik Brushless 36V DC, rapid, super intensive use, for cylindrical boom arms up to 3 meters, with operator and built-in digital control panel and absolute encoder on board; parking version	6

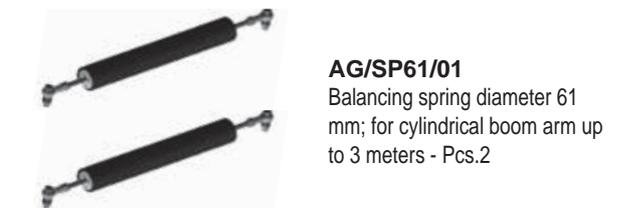
Dimensions



TECHNICAL FEATURES	
Barriers	Up to 3 mt long
Frequency of use	Continue use
Travel control system	Digital Absolute Encoder (SENSORED)
Power Supply	230V AC - 115V AC 50/60Hz +-10%
Brushless motor power supply	From 0 to 36V DC
Motor absorption	From 0 to 15A
Motor power	450W
Torque at the gear	From 0 to 200 Nm
Opening - closing time at 90°	1,2 ÷ 3 (sec)
Operating temperature	- 20 + 55 C°
Protection Level	IP54
Accessories power supply	24V DC
Control unit (built-in)	AG/CTRL/P Digital Controller 36V DC
Release system	European Key cylinder
Batteries recovery	Available (optional)
BUS synchronization Master/Slave	No
Running "S" profile	Yes
Cycles per day (opening/closing 24h no stop)	12.000 (both)

STANDARD ACCESSORIES

Always included in the individual product package or kit



ACCESSORIES

AG/SP61/01

Balancing spring diameter 61 mm; for cylindrical boom arm up to 3 meters


AG/BLED

Flashing light circuit with 4 led cards for the head of the barriers Agilik


AG/BC3/01

White painted cilindric aluminium bar 3 meters lenght


KT230

Foundation plate for the ground fixing with fixing screws and bolts


AG/BASB40

Package of 40 red adhesive refracting strip


DLD1/24

Loop detector for 1 loop, 2 output, 24V AC/DC


DLD2/24

Loop detector for 2 loop, 2 output + output alarm, 24V AC/DC


KT239

Kit DIN rail with magnetic support

DIGITAL CONTROLLER FOR 2 BRUSHLESS MOTOR

B70/2DC/BOX



PRODUCT

Code	Product Description	Pcs/ Pallet
B70/2DC/BOX	Digital controller 24V for 2 BRUSHLESS motor, with plastic box	50

B70/2DC115/BOX



PRODUCT

Code	Product Description	Pcs/ Pallet
B70/2DC115/BOX	Digital controller 24V for 2 BRUSHLESS motor, with plastic box; power supply 115V	50

EDGE1/BOX



PRODUCT

Code	Product Description	Pcs/ Pallet
EDGE1/BOX	Digital controller 36V for 2 BRUSHLESS motor, with plastic box	50

EDGE1/BOX/115



PRODUCT

Code	Product Description	Pcs/ Pallet
EDGE1/BOX/115	Digital controller 36V for 2 BRUSHLESS motor, with plastic box; power supply 115V	50

KIT DIGITAL CONTROLLER FOR 2 BRUSHLESS MOTOR

B70/2B/BOX



PRODOTTO

Code	Product Description	Pcs/ Pallet
B70/2B/BOX	Digital control 24V ONLY for 2 automations Brushless for overhead doors (Cod. BR41/830 or BR41/830/Q), with plastic box.	50

KIT B70/20



PRODUCT

Code	Product Description	Pcs/ Pallet
KIT B70/20	Electronic kit with digital controller 24V B70/2DC/BOX for 2 BRUSHLESS motor	49

KIT COMPOSITION

N. 1 - B70/2DC/BOX	Digital controller 24V for 2 BRUSHLESS motor, with plastic box
N. 1 - H93/RX22A/I	Plug-in receiver 2 channels 433,92 Mhz for control unit series H70, B70 e AG/CTRL
N. 2 - E80/TX52R/2	Fix code transmitter 433,92 Mhz 2 channels, with radio for copy
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC (max. 4 pairs)
N. 1 - R92/LED24	LED flashing light series R92 24V
N. 1 - R91/AN1/LR1	Antenna for flashing light R92 series
N. 1 - R99/C/001	Signboard "Automatic Opening"

KIT EDGE1/20



PRODUCT

Code	Product Description	Pcs/ Pallet
KIT EDGE1/20	Electronic kit with digital controller 36V EDGE1/BOXfor 2 BRUSHLESS motor	49

KIT COMPOSITION

N. 1 - EDGE1/BOX	Digital controller 36V for 2 BRUSHLESS motor, with plastic box
N. 1 - H93/RX22A/I	Plug-in receiver 2 channels 433,92 Mhz for control unit series H70, B70 e AG/CTRL
N. 2 - E80/TX52R/2	Fix code transmitter 433,92 Mhz 2 channels, with radio for copy
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC (max. 4 pairs)
N. 1 - R92/LED24	LED flashing light series R92 24V
N. 1 - R91/AN1/LR1	Antenna for flashing light R92 series
N. 1 - R99/C/001	Signboard "Automatic Opening"

EMERGENCY BATTERIES CHARGERS AND FOR **BRUSHLESS** DIGITAL CONTROLLER

BRUSHLESS Digital Controller 24V DC B70/1DC (sliding gates)



*To use 12V batteries 4.5 aH (code BT12V45) on series sliding BH30, you need to install them externally combining with external box (codeH418)

PRODUCT

Code	Product Description	Pcs/ Pallet
B71/BC	Battery charger for brushless digital controller B70 / 1DC	-
BT12V12	Couple lead batteries 12V DC 1,2 Ah, for installation inside the motor	-
BT12V45*	Couple lead batteries 12V DC 4,5 Ah for installation outside the motor	-
HT418	External box without batteries, for battery BT12V45 (12V DC 4,5 Ah)	-



B71/BC



BT12V12



BT12V45



HT418

BRUSHLESS Digital Controller 24V DC B70/2DC/BOX / B70/2B/BOX



PRODUCT

Code	Product Description	Pcs/ Pallet
B71/BC/INT	Kit for emergency batteries charger for brushless digital controller B70/2DC/BOX 24v DC with plug-in card, with 2 recovery batteries 12V DC, 1.2 Ah; Box case included	-
B71/BC/BOX	Kit for emergency batteries charger for brushless digital controller B70/2DC/BOX 24V DC; Box case included and without recovery batteries	-
B71/BC/EXT	External kit for emergency batteries charger for brushless digital controller B70/2DC/BOX 24V DC with plug-in card, with 2 recovery batteries 12V DC, 4.5 Ah; Box case included	-



B71/BC/INT



B71/BC/BOX



B71/BC/EXT



BRUSHLESS Digital Controller 36V DC EDGE1/BOX/ B70/1DCHP



PRODUCT

Code	Product Description	Pcs/ Pallet
B71/BC36/EXT	Kit for emergency batteries charger for brushless digital controller EDGE1/BOXand B70/2B/BOX 36V DC with plug-in card, with 2 recovery batteries 12V DC, 4.5 Ah. Box case included	-
B71/BC36/BOX	Kit for emergency batteries charger for brushless digital controller EDGE1/BOXand B70/2B/BOX 36V DC with plug-in card. Box case included and without recovery batteries	-



**BRUSHLESS Digital Controller 36V DC AG/CTRL
FOR AUTOMATIC BARRIER SERIES AGILIK**



PRODUCT

Code	Product Description	Pcs/ Pallet
AG/BAT/KIT	Kit for emergency batteries charger for brushless digital controller AG/CTRL 36V DC with plug-in card, with 2 recovery batteries 12V DC, 4.5 Ah; Box case included with support bracket	-
AG/BAT/BOX	Kit for emergency batteries charger for brushless digital controller AG/CTRL 36V DC with plug-in card; Box case included and without recovery batteries	-





KIT BE20/210



PRODUCT

Code	Product Description	Pcs/ Pallet
KIT BE20/210	KIT Electromechanical actuator BRUSHLESS, low voltage, super intensive use, with motor encoder onboard, irreversible, ideal for swing gates with leaf up to 2,2 mt lenght, with adjustable mechanical stopper in opening and closing	21

KIT COMPOSITION

N.2 - BE20/200	Electromechanical actuator BRUSHLESS, low voltage, super intensive use, with motor encoder onboard, irreversible, ideal for swing gates with leaf up to 2,2 mt lenght, with adjustable mechanical stopper in opening and closing
N. 1 - B70/2DC/BOX	Digital controller 24V for 2 BRUSHLESS motor, with plastic box
N. 1 - H93/RX22A/I	Plug-in receiver 2 channels 433,92 Mhz for control unit series H70, B70 e AG/CTRL
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC (max. 4 pairs)
N. 2 - E80/TX52R/2	Fix code transmitter 433,92 Mhz 2 channels, with radio for copy
N. 1 - R92/LED24	LED flashing light series R92 24V DC
N. 1 - R91/AN1/LR1	Antenna for flashing light R92 series
N. 1 - R99/C/001	Signboard "Automatic Opening"



KIT BRUSHLESS MOTOR

KIT BR20/310



PRODUCT

Code	Product Description	Pcs/ Pallet
KIT BR20/310	KIT Electromechanical actuator BRUSHLESS, low voltage, super intensive use, with motor encoder onboard, irreversible, ideal for swing gates with leaf up to 2,5 mt lenght, with adjustable mechanical stopper in opening and closing	21

KIT COMPOSITION

N. 2 - BR20/300	Electromechanical actuator BRUSHLESS, low voltage, super intensive use, with motor encoder onboard, irreversible, ideal for swing gates with leaf up to 2,5 mt lenght, with adjustable mechanical stopper in opening and closing
N. 1 - B70/2DC/BOX	Digital controller 24V for 2 BRUSHLESS motor, with plastic box
N. 1 - H93/RX22A/I	Plug-in receiver 2 channels 433,92 Mhz for control unit series H70, B70 e AG/CTRL
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC (max. 4 pairs)
N. 2 - E80/TX52R/2	Fix code transmitter 433,92 Mhz 2 channels, with radio for copy
N. 1 - R92/LED24	LED flashing light series R92 24V DC
N. 1 - R91/AN1/LR1	Antenna for flashing light R92 series
N. 1 - R99/C/001	Signboard "Automatic Opening"

KIT BR20/510



PRODUCT

Code	Product Description	Pcs/ Pallet
KIT BR20/510	KIT Electromechanical actuator BRUSHLESS, low voltage, super intensive use, with native encoder onboard, irreversible, ideal for swing gates with leaf up to 3,5 mt lenght, with adjustable mechanical stopper in opening and closing	18

KIT COMPOSITION

N. 2 - BR20/500	Electromechanical actuator BRUSHLESS, low voltage, super intensive use, with native encoder onboard, irreversible, ideal for swing gates with leaf up to 3,5 mt lenght, with adjustable mechanical stopper in opening and closing
N. 1 - B70/2DC/BOX	Digital controller 24V for 2 BRUSHLESS motor, with plastic box
N. 1 - H93/RX22A/I	Plug-in receiver 2 channels 433,92 Mhz for control unit series H70, B70 e AG/CTRL
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC (max. 4 pairs)
N. 2 - E80/TX52R/2	Fix code transmitter 433,92 Mhz 2 channels, with radio for copy
N. 1 - R92/LED24	LED flashing light series R92 24V DC
N. 1 - R91/AN1/LR1	Antenna for flashing light R92 series
N. 1 - R99/C/001	Signboard "Automatic Opening"

KIT BRUSHLESS MOTOR

KIT BH30/605



PRODUCT

Code	Product Description	Pcs/ Pallet
KIT BH30/605	KIT Electromechanical BRUSHLESS motor, low voltage, super intensive use, with native encoder on-board, irreversible ideal for sliding gates from 400 Kg to 600 Kg. with built-in digital controller B70 series, mechanical limit switch.	28

KIT COMPOSITION

N.1 - BH30/603	Electromechanical BRUSHLESS motor, low voltage, super intensive use, with native encoder on-board, irreversible ideal for sliding gates from 400 Kg to 600 Kg. with built-in digital controller B70 series, mechanical limit switch.
N. 1 - H93/RX22A/I	Plug-in receiver 2 channels 433,92 Mhz for control unit series H70, B70 e AG/CTRL
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC (max. 4 pairs)
N. 2 - E80/TX52R/2	Fix code transmitter 433,92 Mhz 2 channels, with radio for copy
N. 1 - R92/LED24	LED flashing light series R92 24V DC
N. 1 - R91/AN1/LR1	Antenna for flashing light R92 series
N. 1 - R99/C/001	Signboard "Automatic Opening"

KIT BH30/606



PRODUCT

Code	Product Description	Pcs/ Pallet
KIT BH30/606	KIT Electromechanical BRUSHLESS motor, low voltage, super intensive use, with native encoder on-board, irreversible ideal for sliding gates from 400 Kg to 600 Kg. with built-in digital controller B70 series, magnetic limit switch.	28

KIT COMPOSITION

N.1 - BH30/604	Electromechanical BRUSHLESS motor, low voltage, super intensive use, with native encoder on-board, irreversible ideal for sliding gates from 400 Kg to 600 Kg. with built-in digital controller B70 series, magnetic limit switch.
N. 1 - H93/RX22A/I	Plug-in receiver 2 channels 433,92 Mhz for control unit series H70, B70 e AG/CTRL
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC (max. 4 pairs)
N. 2 - E80/TX52R/2	Fix code transmitter 433,92 Mhz 2 channels, with radio for copy
N. 1 - R92/LED24	LED flashing light series R92 24V DC
N. 1 - R91/AN1/LR1	Antenna for flashing light R92 series
N. 1 - R99/C/001	Signboard "Automatic Opening"

KIT BRUSHLESS MOTOR

KIT BH30/505/HS



PRODUCT

Code	Product Description	Pcs/ Pallet
KIT BH30/505/HS	KIT electromechanical HIGH SPEED BRUSHLESS motor, low voltage, intensive use, with native encoder onboard, irreversible ideal for sliding gates up to 500 Kg. with built in digital controller B70 series,mechanical limit switch.	28

KIT COMPOSITION

BH30/503/HS	Electromechanical HIGH SPEED BRUSHLESS motor, low voltage, intensive use, with native encoder onboard, irreversible ideal for sliding gates up to 500 Kg. with built in digital controller B70 series,mechanical limit switch.
N. 1 - H93/RX22A/I	Plug-in receiver 2 channels 433,92 Mhz for control unit series H70, B70 e AG/CTRL
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC (max. 4 pairs)
N. 2 - E80/TX52R/2	Fix code transmitter 433,92 Mhz 2 channels, with radio for copy
N. 1 - R92/LED24	LED flashing light series R92 24V DC
N. 1 - R91/AN1/LR1	Antenna for flashing light R92 series
N. 1 - R99/C/001	Signboard "Automatic Opening"

KIT BH30/506/HS



PRODUCT

Code	Product Description	Pcs/ Pallet
KIT BH30/506/HS	KIT Electromechanical HIGH SPEED BRUSHLESS motor, low voltage, intensive use, with native encoder onboard, irreversible ideal for sliding gates up to 500 Kg. with built in digital controller B70 series,magnetic limit switch.	28

KIT COMPOSITION

BH30/504/HS	Electromechanical HIGH SPEED BRUSHLESS motor, low voltage, intensive use, with native encoder onboard, irreversible ideal for sliding gates up to 500 Kg. with built in digital controller B70 series,magnetic limit switch.
N. 1 - H93/RX22A/I	Plug-in receiver 2 channels 433,92 Mhz for control unit series H70, B70 e AG/CTRL
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC (max. 4 pairs)
N. 2 - E80/TX52R/2	Fix code transmitter 433,92 Mhz 2 channels, with radio for copy
N. 1 - R92/LED24	LED flashing light series R92 24V DC
N. 1 - R91/AN1/LR1	Antenna for flashing light R92 series
N. 1 - R99/C/001	Signboard "Automatic Opening"

KIT BRUSHLESS MOTOR

KIT BH30/805



PRODUCT

Code	Product Description	Pcs/ Pallet
KIT BH30/805	KIT Electromechanical BRUSHLESS motor, low voltage, super intensive use, with native encoder onboard, irreversible ideal for sliding gates from 800 Kg to 1000 Kg. with built-in digital controller B70 series, mechanical limit switch.	28

KIT COMPOSITION

N.1 - BH30/803	Electromechanical BRUSHLESS motor, low voltage, super intensive use, with native encoder onboard, irreversible ideal for sliding gates from 800 Kg to 1000 Kg. with built-in digital controller B70 series, mechanical limit switch.
N. 1 - H93/RX22A/I	Plug-in receiver 2 channels 433,92 Mhz for control unit series H70, B70 e AG/CTRL
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC (max. 4 pairs)
N. 2 - E80/TX52R/2	Fix code transmitter 433,92 Mhz 2 channels, with radio for copy
N. 1 - R92/LED24	LED flashing light series R92 24V DC
N. 1 - R91/AN1/LR1	Antenna for flashing light R92 series
N. 1 - R99/C/001	Signboard "Automatic Opening"

KIT BH30/806



PRODUCT

Code	Product Description	Pcs/ Pallet
KIT BH30/806	KIT Electromechanical BRUSHLESS motor, low voltage, super intensive use, with native encoder onboard, irreversible ideal for sliding gates from 800 Kg to 1000 Kg. with built-in digital controller B70 series, magnetic limit switch.	28

KIT COMPOSITION

N.1 - BH30/804	Electromechanical BRUSHLESS motor, low voltage, super intensive use, with native encoder onboard, irreversible ideal for sliding gates from 800 Kg to 1000 Kg. with built-in digital controller B70 series, magnetic limit switch.
N. 1 - H93/RX22A/I	Plug-in receiver 2 channels 433,92 Mhz for control unit series H70, B70 e AG/CTRL
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC (max. 4 pairs)
N. 2 - E80/TX52R/2	Fix code transmitter 433,92 Mhz 2 channels, with radio for copy
N. 1 - R92/LED24	LED flashing light series R92 24V DC
N. 1 - R91/AN1/LR1	Antenna for flashing light R92 series
N. 1 - R99/C/001	Signboard "Automatic Opening"

KIT BRUSHLESS MOTOR



SET BM20/342



PRODUCT

Code	Product Description	Pcs/ Pallet
SET BM20/342	SET Electromechanical actuator BRUSHLESS, low voltage, super intensive use, with motor encoder onboard, irreversible, ideal for swing gates with leaf up to 3 mt lenght, with adjustable mechanical stopper in opening	

SET COMPOSITION

N. 2 - BM20/340	Electromechanical actuator BRUSHLESS, low voltage, super intensive use, with motor encoder onboard, irreversible, ideal for swing gates with leaf up to 3 mt lenght, with adjustable mechanical stopper in opening
N. 1 - KIT B70/20	Electronic kit with digital controller 24V B70/2DC/BOX for 2 BRUSHLESS motor
KIT COMPOSITION KIT EDGE1/20	
N. 1 - B70/2DC/BOX	Digital controller 24V for 2 BRUSHLESS motor, with plastic box
N. 1 - H93/RX22A/I	Plug-in receiver 2 channels 433,92 Mhz for control unit series H70, B70 e AG/CTRL
N. 2 - E80/TX52R/2	Fix code transmitter 433,92 Mhz 2 channels, with radio for copy
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC (max. 4 pairs)
N. 1 - R92/LED24	LED flashing light series R92 24V DC
N. 1 - R91/AN1/LR1	Antenna for flashing light R92 series
N. 1 - R99/C/001	Signboard "Automatic Opening"

SET BH23/284



PRODUCT

Code	Product Description	Pcs/ Pallet
SET BH23/284	SET Electromechanical articulated motor BRUSHLESS, low voltage, super intensive use, with motor encoder onboard, irreversible ideal for swing gates with leaf up to 2.8 meters of length, with adjustable mechanical stopper in opening and closing and with standard version of short arms	

SET COMPOSITION

N. 2 - BH23/282	Electromechanical articulated motor BRUSHLESS, low voltage, super intensive use, with motor encoder onboard, irreversible ideal for swing gates with leaf up to 2.8 meters of length. with adjustable mechanical stopper in opening and closing and with standard version of short arms
N. 1 - KIT B70/20	Electronic kit with digital controller 24V B70/2DC/BOX for 2 BRUSHLESS motor
KIT COMPOSITION KIT B70/20	
N. 1 - B70/2DC/BOX	Digital controller 24V for 2 BRUSHLESS motor, with plastic box
N. 1 - H93/RX22A/I	Plug-in receiver 2 channels 433,92 Mhz for control unit series H70, B70 e AG/CTRL
N. 2 - E80/TX52R/2	Fix code transmitter 433,92 Mhz 2 channels, with radio for copy
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC (max. 4 pairs)
N. 1 - R92/LED24	LED flashing light series R92 24V DC
N. 1 - R91/AN1/LR1	Antenna for flashing light R92 series
N. 1 - R99/C/001	Signboard "Automatic Opening"

KIT BRUSHLESS MOTOR

SET BR21/354



PRODUCT

Code	Product Description	Pcs/ Pallet
SET BR21/354	SET Electromechanical underground motor, BRUSHLESS, low voltage, super intensive use, with motor encoder onboard, irreversible, ideal for swing gates with leaf up to 3,5 mt. Standard version with 2 mt cable	

SET COMPOSITION

N. 2 - BR21/351	Electromechanical underground motor, BRUSHLESS, low voltage, super intensive use, with motor encoder onboard, irreversible, ideal for swing gates with leaf up to 3,5 mt. Standard version with 2 mt cable	
N. 2 - FU101	Hot galvanised foudation box and lid	
N. 2 - RL650	Release system with standard lever	
N. 1 - KIT EDGE1/20	Electronic kit with digital controller 36V EDGE1/BOXfor 2 BRUSHLESS motor	

KIT COMPOSITION

KIT EDGE1/20

N. 1 - EDGE1/BOX	Digital controller 36V for 2 BRUSHLESS motor, with plastic box	
N. 1 - H93/RX22A/I	Plug-in receiver 2 channels 433,92 Mhz for control unit series H70, B70 e AG/CTRL	
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC (max. 4 pairs)	
N. 2 - E80/TX52R/2	Fix code transmitter 433,92 Mhz 2 channels, with radio for copy	
N. 1 - R92/LED24	LED flashing light series R92 24V DC	
N. 1 - R91/AN1/LR1	Antenna for flashing light R92 series	
N. 1 - R99/C/001	Signboard "Automatic Opening"	



BH30 *HIGHSPEED*

the digital speed
takes off!

100%
FASTER

MANAGE
SEPARATE SPEED IN
OPENING AND CLOSING

MANAGE
SEPARATE SLOW DOWNS
AND ACCELERATIONS IN OPENING
AND CLOSING

100%
SAFETY THANKS TO ITS
STARTING POINT OF
SLOW DOWNS WITH ITS
RELATED SPEED

PRICE LIST GENERAL SALES TERMS

INTRODUCTION TO CONDITIONS

These conditions of sale supersede all previous conditions and are automatically applied to all orders and order confirmations that the customer concludes for Roger Technology brand products or any other trademark owned by Roger Technology. All sales to the client are governed by these conditions of sale being integral part of the sale agreement and supersede and cancel any contrary or different or special agreement clause contained in the order or other document by the client. Roger Technology reserves the right to make any changes without notice aimed at functional improvement and quality of its products.

ORDERS

All orders are subject to their availability and various technical modifications or production. Roger Technology reserves the right to accept or not, all or part of the customer orders on the basis of their conformity or otherwise of these terms and conditions and availability of required products. Roger Technology reserves the right to make technical or production modifications at any time to products without customers making any claims.

PRICE LIST

The products are sold by Roger Technology in reference to the price list in force at the time of confirmation of order and its delivery. The customer agrees to accept unreservedly any changes in the price list that took place between the order and delivery of the product. The current price list supersedes all previous price lists. All list prices are quoted ex-factory (ex works) excluding VAT. The information and prices contained in this price list may change at any time at the sole discretion and decision of Roger Technology.

TERMS OF DELIVERY

All products are delivered ex factory Roger Technology S.r.l at the plant in S. Botticelli, 8-31021 - Bonisoli di Mogliano Veneto - TV - Italy. All delivery times refer exclusively to those indicated on order confirmations to be understood tentatively and with no obligation, and any delay does not entitle the customer to request the termination of all or any part of the contract, to refuse delivery or to claim damages. The delivery obligation is satisfied by written notice by Roger Technology to the client with a "products ready for shipment". Roger Technology S.r.l. reserves the right to extend the delivery terms or to terminate the supply agreement without any obligation of compensation in all cases of force majeure such as weather, earthquakes, strikes, fires, the impossibility of procurement of raw material, incorrect reporting or delay by the customer in the transmission of information necessary for order and failure to comply with terms of payment by the customer or any other event beyond our control.

SHIPPING AND PRODUCT RECALL

The delivery is carried out through written communication to the Reseller with a "products ready for shipment". Transportation costs and the cost of insurance if applicable are therefore charged to the customer. In the event that, by virtue of a specific agreement, the Manufacturer is responsible to provide for the transportation of products to the warehouse of the client, or to other destinations indicated by the reseller, the costs will be charged to the customer resulting in invoices attached to orders including the insurance costs of the Product, unless the customer does not declare in writing that one does not intend to insure the goods, taking upon himself all risks.

The customer is obliged to collect the goods as soon as they have been made available to him through communication of "products ready for shipment" or any other type of activity or communication. In case of delay in the collection of the Products by the customer, Roger Technology will have the right not just to ask for full payment of the price but also the reimbursement of storage or parking excluding damages compensation. From the notice of "products ready for shipment" the risk for each fortuitous event is transferred to the customer.

WARRANTY

All products in the price list are carefully checked and tested by Roger Technology thanks to its internal business model. Roger Technology guarantees all of its branded products Roger Technology or any other own brand against defects of material used or manufactured in accordance with the installation and use conditions & limits specified by Roger Technology. The Roger Technology warranty period offered to customers is 36 months for the mechanical and electrical part and 24 months for all the electronic parts, from the date of manufacturing of each Roger Technology brand product or any other own mark in accordance with current regulations to protect consumers.

The warranty is limited solely to the total or partial repair or replacement of the product considered faulty in the opinion of the internal Customer Service of Roger Technology, excluded, therefore, from the warranty is any pre-conception, expense or damage of any kind incurred by the customer. In no event is Roger Technology responsible for problems resulting from the incorrect installation of the products. It is absolutely understood that all products that are replaced, during repair activities remain the property of Roger Technology. All installations by the customer must be made with the full knowledge and technical skills needed and appropriate to carry out the installation in a work-manlike manner observing correctly all the mounting and electrical connection instructions in accordance with applicable laws in force at the time of the installation.

Roger Technology assumes no liability in the event of non-compliance with mounting and electrical connection instructions or electrical regulations and other specific rules in force at the time of the installation, especially in cases where mechanical or electrical accessories or components of Roger Technology are installed, used and connected without a careful observance of schemes and types of connection for which were designed. At the same time Roger Technology assumes no liability for the use or application of the products for purposes that are not appropriate to the nature, scope and level of ability. Roger Technology assumes no responsibility in the event of connection, association, or interaction of its products with others not supplied by Roger Technology. In fact, the customer is required to apply Roger

Technology products only in combination with other brand products of Roger Technology. Otherwise, the warranty will not be valid, this also applies if the user fails to report the defect within the time allowed or if the parts returned as defective, have been tampered with or otherwise repaired.

COMPLAINTS AND PRODUCT DEFECTS

Any claims for merchandise shortages or failures or defects visible from external inspection of packages should be detected as soon as the goods are received and communicated to Roger Technology, no later than 7 days after delivery by written notice and photographic documentation must be sent to Roger Technology together with the relevant documentation, DDT for EU countries and invoice for countries outside the EU.

Any claims for defects of conformity of the goods which are not detectable from external examination of packages should be communicated to the customer service internal to Roger Technology through email to support@rogertechnology.it with related documentation.

Refunds of goods without prior consent in writing by Roger Technology are not accepted, also any type of claim can never give rise to the annulment of all or part of the order, much less to the delay or suspension of payment which will nevertheless always be made in full.

TRANSFER OF OWNERSHIP

Roger Technology retains title to the goods sold until full payment of the same, then it is agreed that the transfer of ownership of the Products sold and orders must be implemented at the same time of total payment of sales invoices. In the event of non-payment, Roger Technology can resume the immediate possession of the products sold anywhere.

TERMS OF PAYMENT

All payments must be made exclusively to Roger Technology and carried out the terms and conditions indicated in the invoice.

In the event that the customer does not comply with the terms of payment agreed between the Parties, Roger Technology will charge interest for late payment of trade receivables to the extent currently regulated by Legislative Decree n. 231 of 2002, or possibly one that will regulate the matter, and this without any formal notice or communication. In the case in which are provided payments in several instalments, or are planned advances and in general in case of late payment to an agreed maturity date by the customer, Roger Technology may suspend the execution of the order or later and further orders. The payments, even if they have different causal indicated by the client, in each case can be attributed to unpaid invoices. Roger Technology may also suspend the execution of orders where is ascertained the substantial change in the structure and/or shareholder of the client, as well as in cases of elevation of protests, enforcement measures or insolvency, emissions of injunctions of payments, suspension deferrals or delays in the fulfilment of obligations to third-party creditors. In the case of total non-payment, the sale may be terminated as of right at any time with a simple written notice by Roger Technology to the client, stating the use of this clause and without the need for any judicial form. All goods delivered and not paid shall be returned to Roger Technology, through the means of Roger Technology or other transports at the expense of the client.

TRADEMARK

The client acknowledges that Roger Technology is the exclusive owner of the trademarks and any other rights of industrial and intellectual property on products as well as catalogues, brochures, internet communication and any other material and documentation related. Any resulting goodwill is exclusively owned by Roger Technology.

The client is fully aware that Roger Technology products are covered by patents and subject to industrial know-how and design exclusive property of Roger Technology.

It is expressly forbidden for the client to violate such rights owned by Roger Technology or in any case remove, conceal or alter any trademark or other distinguishing marks affixed to the products as well as to put new one of any kind. Unless authorized in writing by Roger Technology, it is forbidden any form of reproduction or use of the Roger Technology trademark or any other distinctive mark on the products.

ACCREDITATIONS

The Roger Technology products show in the appropriate documentation, the necessary data identification of accreditations obtained. Familiarity and compliance with any regulations governing the use of radio controls and equipment are burden on the installer and the user who performs the installation.

EXCEPTIONS

At the time of signing the contract or order confirmation the client accepts these conditions of sale. Any changes thereto must be signed by Roger Technology before signing the order, which is valid in any case for each contract.

JURISDICTION

For any dispute that may arise during the course of the contract and individual sales contracts governed by the same, shall be exclusively settled by the Court of Treviso.





Manufacturing Plant

Assembly and quality Plant

Engineering & Training Center

Sales department and Warehouse



A company soul full of passion and close to your needs

Roger Technology was founded by a group of people with an extreme passion and desire to create revolutionary products for the gate and home automation industry. We challenge ourselves constantly and believe that a simple idea can give life to brilliant new products that will set the standard for the gate and home automation industry in the future.

Roger Technology S.r.l.

Manufacturing Plant

Via S. Botticelli, 8 - 31021

Bonisiolo di Mogliano Veneto (tv)
Italia

**Sales Department
and Warehouse**

Via S. Botticelli, 5 - 31021

Bonisiolo di Mogliano Veneto (tv)
Italia

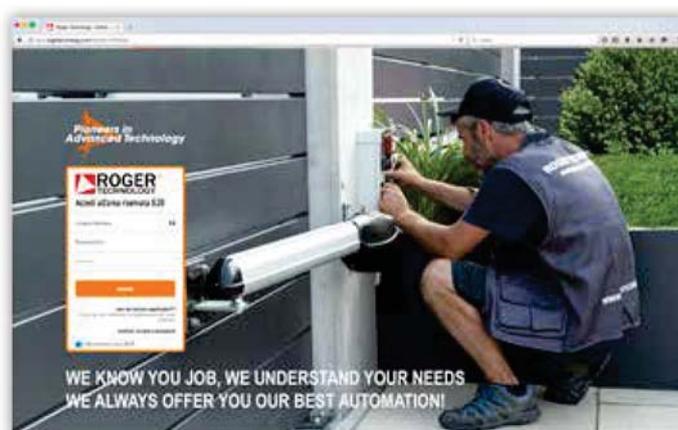
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