



SWING GATE SYSTEMS.

G:B:D
CREATIVE AUTOMATIONS

TOP EVO

230V

*PRODUCT ALSO AVAILABLE
AT 115 VAC

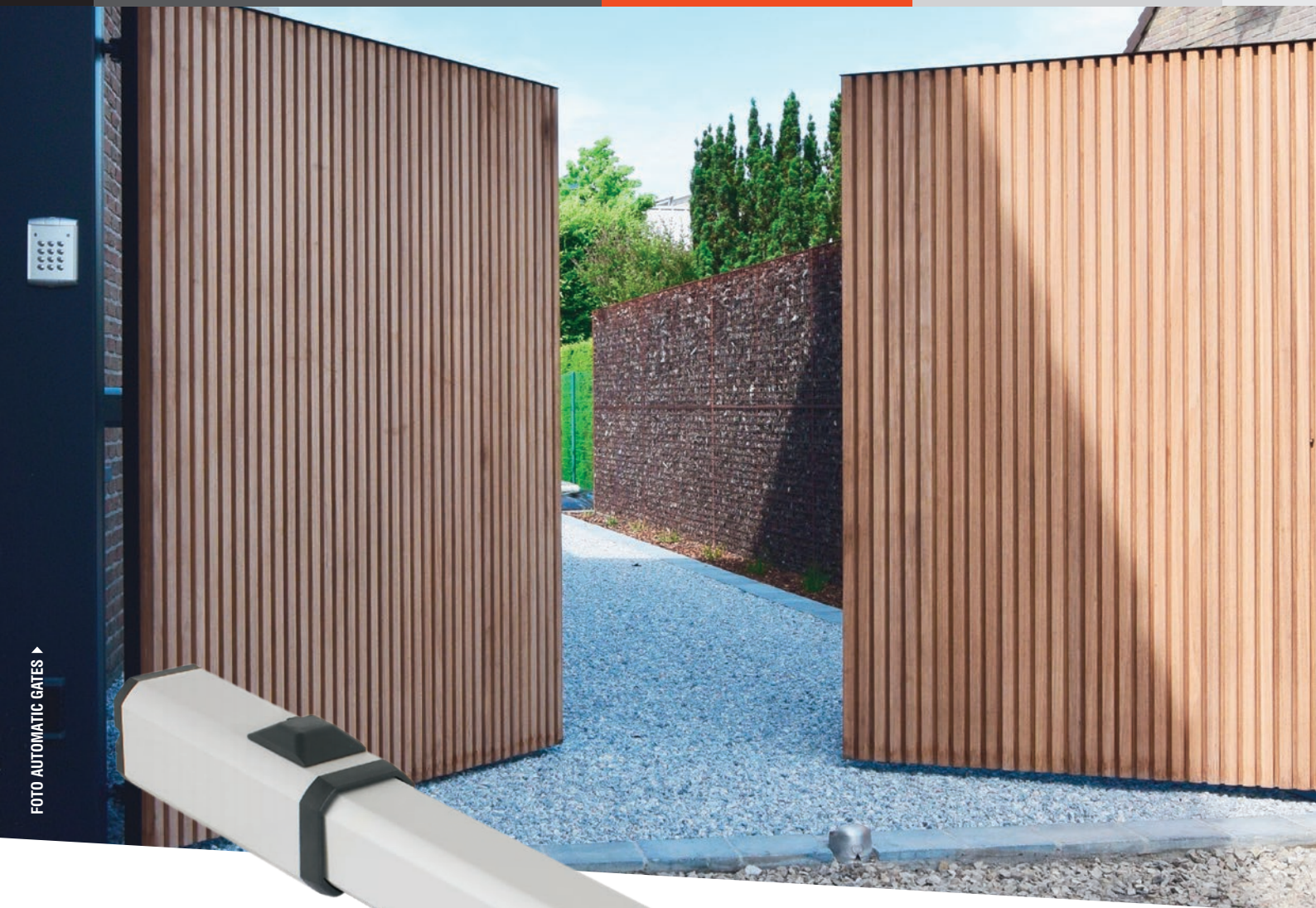


FOTO AUTOMATIC GATES ▶





TOP EVO

230V *PRODUCT ALSO AVAILABLE AT 115 VAC

230 Vac hydraulic operators, dedicated to heavy, medium and large size swing gates. Suitable for both residential and intensive use.

EASY TO INSTALL

TOP EVO is already preloaded and factory adjusted, ready for use, **no purge valves, no oil to top up.** Mounting brackets supplied.

SILENT AND FAST

Extremely silent and fast. **Hydraulic slowdowns integrated** in the last 3cm of rod travel.

TECHNOLOGICAL AND SAFE

TOP EVO is built with a unique technology; **the vacuum loading** process leaves no air residues inside, therefore no condensation and emulsion. The pump-distributor coupling is without any gasket. A unique system destined to remain unchanged over time. **New die-cast aluminium back-end.** Complete with torque settings valves and with the **new embedded device to select the reversible, irreversible or mixed mode.**

A COMPLETE AND RELIABLE RANGE

From a small residential gate with 6-meter doors of a commercial or industrial type. Special motors for intensive use.





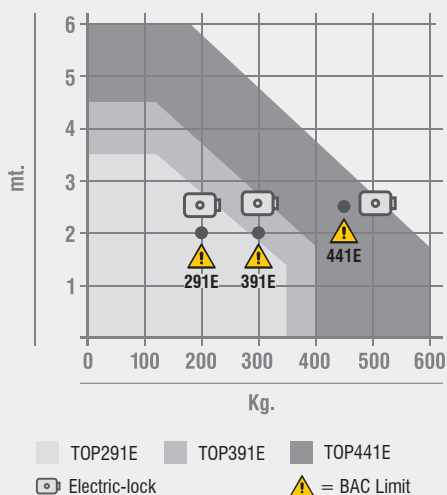
TECHNICAL FEATURES

	TOP291E - ER - ER/S	TOP391E - ER - ER/S	TOP441E - ER - ER/S
Type of use	HEAVY DUTY	HEAVY DUTY	HEAVY DUTY
Frequency of use	55%	55%	55%
Motor power supply	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz
Absorbed power	170W	190W	190W
Degree of protection	IP65	IP65	IP65
Rod speed	10 mm/s (20 mm/s for the version ER/S)	10 mm/s (20 mm/s for the version ER/S)	10 mm/s (20 mm/s for the version ER/S)
Max rod stroke	265 mm (290 mm for the version E)	265 mm (290 mm for the version E)	425 mm (440 mm for the version E)
Max thrust force	3000 N (2200 N for the version ER/S)	4500 N (3000 N for the version ER/S)	4500 N (3000 N for the version ER/S)
Force adjustment	HYDRAULIC	HYDRAULIC	HYDRAULIC
Speed adjustment	ELECTRONIC **	ELECTRONIC **	ELECTRONIC **
Hydraulic slowdown	YES (NO for the version E)	YES (NO for the version E)	YES (NO for the version E)
Max leaf length	3,5 m *	4,5 m *	6,0 m *
Operating temperature	-20°C +60°C	-20°C +60°C	-20°C +60°C
Rod diameter	16 mm	20 mm	20 mm
Type of lubrication	OIL GBD PH-03	OIL GBD PH-03	OIL GBD PH-03
Operator weight	7,7 Kg	8,7 Kg	10 Kg

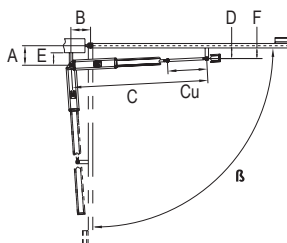
* In case of blind leaf or wind presence or leaf over 2.5 m, the use of the electric lock is necessary

** By the use of the BA230 control board

APPLICATION DIAGRAM



INSTALLATION MEASURES



TOP	β	A	B	C	D	Cu	E	F
291E	90°	130	130	900	100	260		
291E	110°	110	120	900	95	265		
291ER-ER/S	90°	125	125	885	95	250		
291ER-ER/S	105°	110	110	885	95	245		
391E	90°	130	130	950	100	260	>55	>80
391E	110°	110	120	950	95	260		
391ER-ER/S	90°	125	125	940	100	250		
391ER-ER/S	105°	110	115	940	95	250		
441E	90°	205	205	1243	125	410		
441E	110°	175	175	1243	120	410		
441ER-ER/S	90°	200	200	1243	120	400	>65	>100
441ER-ER/S	110°	175	175	1243	120	400		

DIMENSIONS

