

Underground hydraulic operator 230V

for residential and condominium swing-leaf gates with single-leaf max weight of 800 kg



GREENTECH System:
750 CP + E045 or E145

- Invisible, quiet operator, consisting of one underground unit and a control unit.
- The ideal solution for large antique doors of artistic significance, leaves up to 3.5 m.
- Facilitated installation thanks to the carrier case.



DIMENSIONS AND TECHNICAL SPECIFICATIONS OF 750

	750 CBAC	750 SB
Power supply voltage	230 Vac (+6% -10%) 50 (60) Hz	
Absorbed power	220 W	
Absorbed current	1 A	
Motor rotation speed	1400 r.p.m.	
Pump flow rate	0.75 l/min	
Operating ambient temperature	-20 °C to +55 °C	
Protection class	IP 55	
Thermal protection on motor winding	120 °C	
Weight	7.5 kg	
Type of oil	FAAC HP OIL	
Dimensions (L x D x H) in mm	carrier case 420 x 254.5 x 205 mm - control unit 353 x 245.6 x 141.5 mm	

TECHNICAL SPECIFICATIONS OF HYDRAULIC JACK

	100° opening	180° opening
Rotation maximum angle	118°	200°
Angle speed	5.2°/s (750 SBS) - 7.8°/s (750 CBAC-SB)	
Protection class	IP 67	
Effective torque	543 Nm (750 CBAC-SB)	

EXAMPLE OF A TYPICAL INSTALLATION



■ (A) Low voltage cabling

- 3 cables 3x0.50
- 1 cable 2x0.50

■ (B) Power cabling (230 V)

- 2 cables 3x1.50+T
- 1 cable 2x1.5+T
- 1 cable 2x1.5

Ref.	Q.ty	Description	Item code
①	2	750 CBAC Motors	107720
②	2	100° opening jacks	108759
	2	Carrier cases	490071
	2 kg	Copper pipe	7365011
⑤	1	Control board E045	790005
	1	Enclosure mod. L	720118
	1	Receiver RP 433 SLH	787824
	1	Two-channel transmitter XT2 433 SLH LR	787007
⑥	1	Flashing lamp FAACLIGHT	410013
⑦	1	Pair of photocells FOTOSWITCH	785152
④	1	Key-operated push-button T10	401010001/36
	3	Plastic enclosure to be walled in	720086

Notes

IMPORTANT: The configuration does not include the safety devices (i.e.: active or passive safety edges) that are to be determined according to the specific "risk analysis" of each installation (Ref.: UNI-EN 12445 and 12453 European Standards).

N.B.: Cable sections in mm²

750 CP

Model	Use			Control unit	Item code
	Single-leaf max. width (m)	Max. weight (kg)	Use frequency (cycles/hour)		
Operator 750 CBAC	1.80	/	45	Not included	107720
Operator 750 SB	2.50	/	45	Not included	107721
100° opening jack	/	800	/	Not included	108759
180° opening jack	/	800	/	Not included	108760

The jack packages include: a hydraulic jack, oil bottle to fill the pipes.

The 750 control unit packages include: a hydraulic control unit with hydraulic block at opening/closing (750 CBAC), without block (750 SB) and a thrust capacitor 8 µF 400 V.

The carrier case package includes: a carrier case in steel, a cover in stainless steel, a grooved bush and installation accessories.

CONTROL UNITS



Control board E045
Technical specifications page 140

Item code 790005



Control board E145
Technical specifications page 141

Item code 790006

SPECIFIC ACCESSORIES



Enclosure mod. L for control boards

Item code 720118

Enclosure mod. LM for control boards

Item code 720309

Enclosure mod. E for control boards

Item code 720119



Release lock with key

Item code 712805



Ø 6x8 mm copper pipe (20 kg coils - 1 kg corresponds to about 5 m)

Item code 7365011

ACCESSORIES FOR HOSES



Carrier case

Item code 490071



Complete unions
(packg. of 4 and packg. of 40)

4 unions code 390421

40 unions code 390440



Hose composed of 10 m and coil of 100 m - Ø 4x8 mm

10 m hose code 390422

100 m hose code 390439

Notes

- **IMPORTANT:** The CP jacks must be supplied with a carrier case.
- An electric lock should be installed for the jacks without a block facility.
- The operator with block facility is not recommended when there is no access to the manual release device (panelled leaves or no other access to the property).
- You'll need the following for a two-leaf gate: two operators, two Mod. LM. enclosures, two carrier cases, two jacks CP, a control unit and, if necessary, an electric lock.

OTHER ACCESSORIES



Key-operated push-buttons
page 162



Photocells and Columns
page 167



Safety devices
page 168



Flashing lamps
page 170



Transmitters
page 156



Various accessories
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