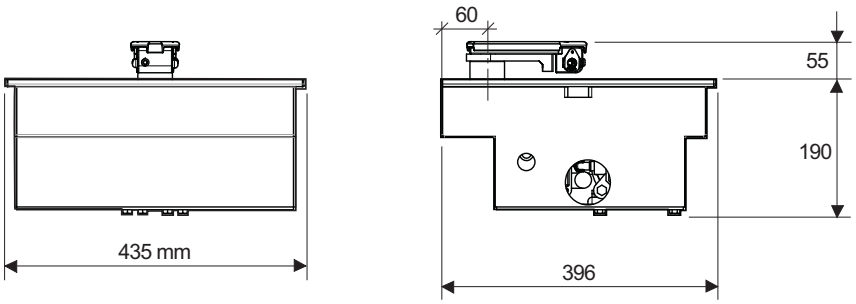
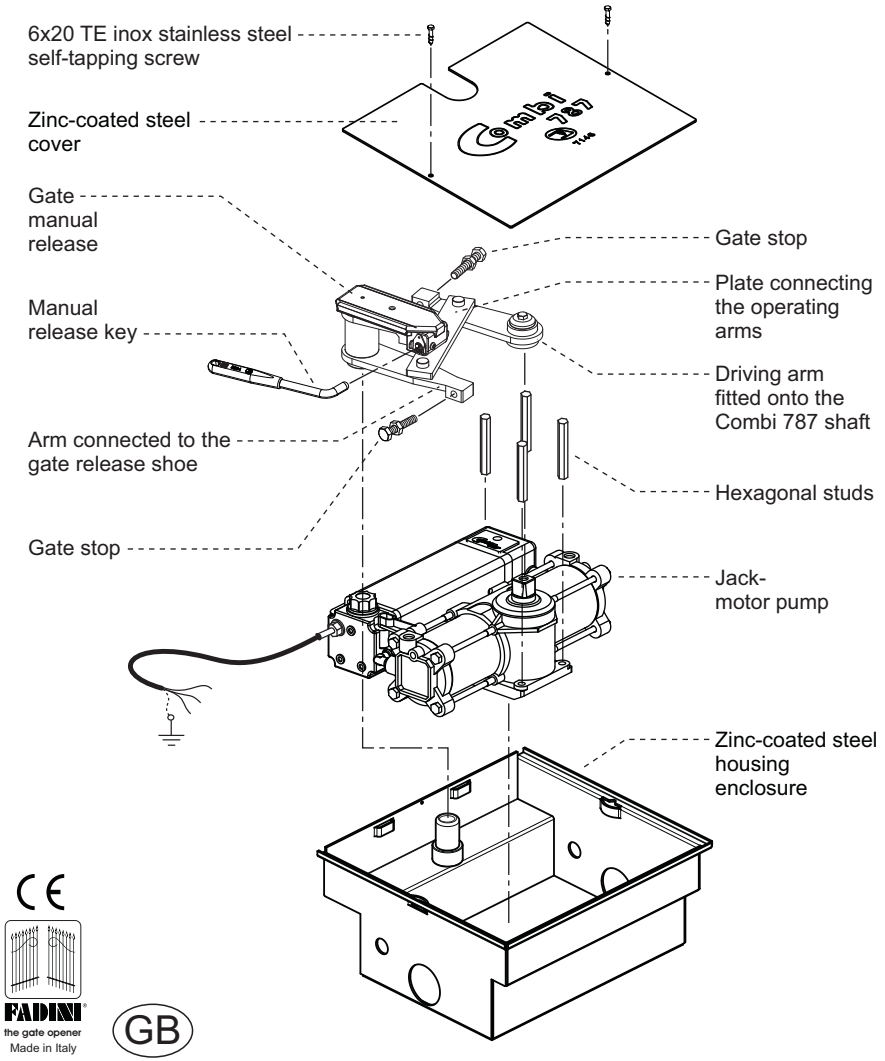




COMBI 787 is an electro-hydraulic operator consisting of a drive unit - motor/pump - and a hydraulic jack allowing the gate to rotate up to 110° open and closed. For safety reasons, anti-crush, the unit motor-pump-jack is fitted with pressure valves incorporated in the hydraulic circuit and adequately protected to prevent misuse after the operator has been installed on the gate. Designed so that it is unaffected by rain, water, dust or any other atmospheric agent. COMBI 787 is to be sunk into the ground at the foot of the gates on the right-hand and left-hand side (double swinging gates) to achieve syncronized operations.
To suit multiple users applications, the oil-hydraulic motor pump and jack is available in many versions: reversible non locking, with hydraulic bidirectional locking device, braking in both directions and with flow regulator.
A locking unit can be released for hand operations by means of the lever placed above the pressure valves. The units are supplied perfectly working and already filled with special oil. No pre-adjustment is needed, the operator is ready to work after completing the installation.
Made of solid sheet metal of 5 mm thickness, the gate support enclosure is designed to offer the possibility to fit the mechanical gate stops in open and closed gate positions inside it.

TECHNICAL SPECIFICATIONS

Two-phase class H electric motor	
Power output	0,18 kW (0,25 HP)
Absorbed power	250 W
Frequency	50 Hz
Supply voltage	230 Vac
Absorbed current	1,2 A
Capacitor	12,5 µF
Motor rotation speed	1.350 rpm
Intermittent service	S3

Double stroke jack and oil-hydraulic pump	
P3 - Hydraulic pump capacity	0,85 ℓ/1'
Working temperature	-20 °C +80 °C (*)
Oil type	Oil Fadini - Item 708L
Shaft rotation	110°
Working torque	250-400 Nm
Piston diameter	75 mm
Piston stroke	52 mm
Weight with enclosure	34 kg
Protection standard	IP 67
Dimensions (LxWxH)	435x396x190 mm

(*) -40 °C with specific optional accessories (Ref. General Catalogue).

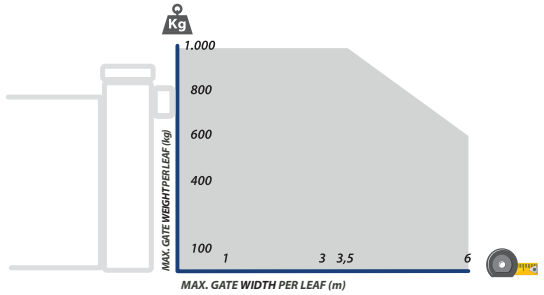
NOTE: It is always recommended to install an electric lock with gate leafs wider than 2,0 m.

APPLICATIONS	
Max. gate weight per leaf	1.000 kg
Max. gate width per leaf	6 m

VERSIONS

- Braking in opening and closing
- Non braking
- Hydraulic bidirectional locking
- Non locking (reversible): an electric lock is to be fitted
- With flow regulator

PERFORMANCE	
Frequency of use	very intensive
Service cycle	opening ~ 23 s dwell 30 s closing ~ 23 s dwell 30 s
Complete cycle time	~ 106 s
Complete cycles	
Opening - Dwell - Closing - Dwell	No.34/hour
Annual cycles (with 8 hours of use per day)	No.99.280



The gate structure, design (solid, in-filled), height and strong wind pressure may affect and decrease the indicated values. Make always sure the gate structure is adequate to automation.

FADINI
the gate opener
Made in Italy

GB

Drwg. No. 7220

TECHNICAL DATA TABLE

06/14

OIL-HYDRAULIC SWINGING GATE OPERATOR WITH GATE SUPPORTING HOUSING

COMBI 787

meccanica FADINI