

CE



FADINI
the gate opener
Made in Italy



“**COMBI 787**” is an electro-hydraulic operator consisting of a drive unit - motor/pump - and a hydraulic jack allowing the gate to rotate by 90° 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 synchronized operations. Different options are available, ie. 110° rotation angle with no variation in size, with or without dampening device on both open and close cycles. With or without two-way locking device. 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.

With locking operators, it is required to mount the emergency manual release shoe: a device consisting of a ferrule, to fit the square section operator shaft, and a bracket fitted with a locking cam that can be unlocked only by a special spanner. This bracket is located under a plate which allows fixing to the gate foot. The complete mechanism is designed as a handed unit, right- or left- hand applications to be specified.

With non locking operators, the gate fixing device consists only of the plate with the F ring. The distinction left-handed or right-handed strictly applies as well.

TECHNICAL SPECIFICATIONS

Two-phase class H electric motor

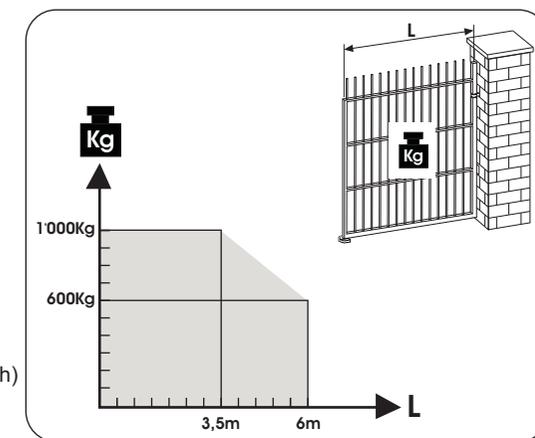
Power output	0.18KW (0.25HP)
Absorbed power	250W
Frequency	50Hz
Supply voltage	230V ±10%
Absorbed current	1.2A
Capacitor	12.5µF
Motor rotation speed	1'350 r.p.m.
Intermittent service	S3

Performance

Service cycle: 18s opening-30s dwell-18s closing-30s dwell	
Complete cycle time	96 s
Complete Opening-Dwell-Closing-Dwell cycles	No.37/hour
Annual cycles (with 8 hours of use per day)	No.108'000

Double stroke jack and oil-hydraulic pump

P3 - Hydraulic pump capacity	0.85 l/1'
Working temperature	-20°C +80°C
110° rotation time	18 s
Hydraulic oil type	Oil Fadini
Shaft rotation	110°
Working torque	250-400 Nm
Piston diameter	75 mm
Piston stroke	52 mm
Weight of Combi 787 complete	34 Kg
Protection standard	IP 67
Maximum static leaf gate	1'000 Kg (6 m max. gate width)
Dimensions (length x width x height)	435x396x190 mm



Drwg. No. **7220**

TECHNICAL DATA TABLE

**OIL-HYDRAULIC SWINGING GATE OPERATOR
WITH GATE SUPPORTING HOUSING**

COMBI 787

