

- A) "COMBI 740" 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 740" 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. Different options are available, ie. 110° or 175° 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.
- **B**) 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.
- **C**) 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 (0.2 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 \$3	
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Double stroke iack and oil-hydraulic pump

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P3 - Hydraulic pump capacity	(0.85 ℓ/1'	
Average working pressure		1 MPa (10	baı
Maximum supplied pump pressi	ure :	3 MPa (30	baı
Working temperature		20°C +80)°C
110° rotation time		23 s	
Hydraulic oil type	(Oil Fadini	
Shaft rotation		110°	
Rated torque	2	235 Nm	
Piston diameter		75 mm	
Piston stroke		52 mm	
Weight of Combi 740 with acces	sories 2	27 Kg	
Protection standard		P 673	

Maximum static leaf gate -----700 Kg (1.0 m gate width) - 350 Kg (2.8 m gate width)

Dimensions (length x width x height) ----475x305x130 mm

Dampening
Hydraulic pur

Hydraulic pump flowrate - P3 _______ 0.85 $\,\ell$ /1' Time to turn through 175° _______ 28 s

Performance

Service cycle: 23s opening-30s dwell-23s closing-30s dwell Complete cycle time ______106 s Complete Opening-Dwell-Closing-Dwell cycles ____No.34/hour Annual cycles (with 8 hours of use per day) _____No.99'000

Drwg. No. 1598 TECHNICAL

OIL-HYDRAULIC SWINGING GATE OPERATOR

COMBI 740

