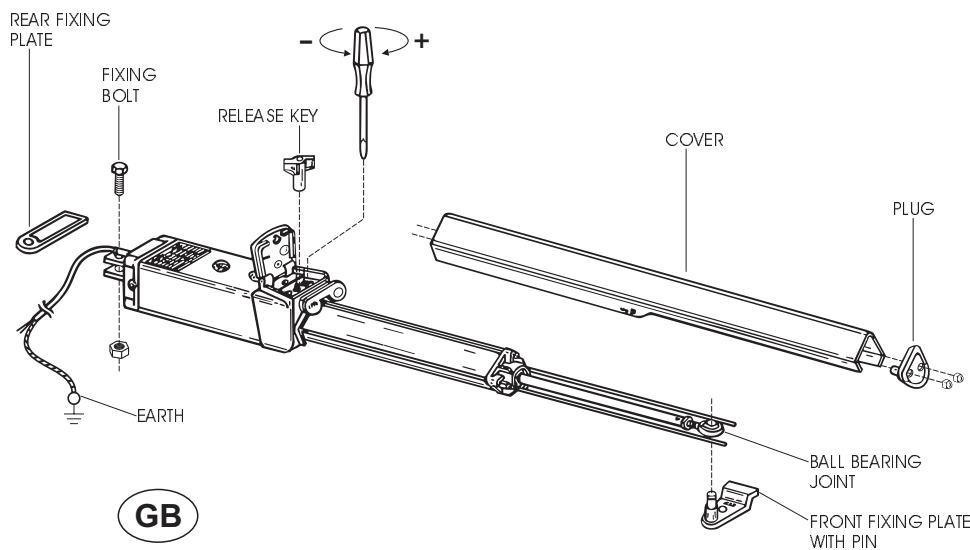
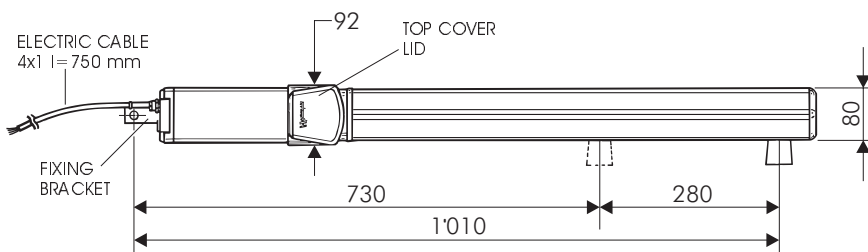
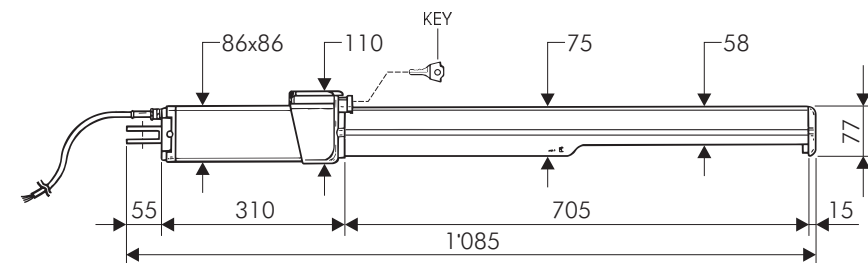


OVERALL DIMENSIONS



"HINDI 880" is an electro-hydraulic operator with tubular shape and two section design. It consists of base with fixing bracket, container for oil reservoir, valve assembly, piston with treated steel rod and adjustable ball bearing joint. The cover is made of anodized aluminium and has a rhomboid cross section.

The main feature of this unit is the box which is fitted between the two sections of the operator. It provides suitable housing and protection to all the valves which allow setting and gate operations. In this part are enclosed the safety pressure valves open and close, the manual release valve and the air bleed. The lid is lockable, and security is ensured by a key with unique toothing different from customer to customer.

The operator is fitted with two-way locking hydraulic device, which is located inside the valve body in the hydraulic circuit.

This device is designed to firmly hold the piston in any gate position when the motor stops. It is automatically released when the motor is pulsed to start again.

The electric motor is fitted with class H insulation winding and is coupled to the lobe pump by means of a special wear-proof joint. It is shock mounted on two ball bearings which ensure smooth, quiet running and maximum efficiency in transmitting power to the hydraulic pump.

All the components that make up the hydraulic assembly - motor/pump/suction valves - are in an oil reservoir. The oil is specially selected to maintain its standard features in the most harsh temperature range.

The piston is fitted with specially designed seals, adequate to prevent leaking, while allowing smooth and easy sliding.

They conform to the uniformed European Standards.

Fixing is provided by two plates made of punched steel. The operator has fitting end parts to match the above plates. The rear bracket with its bolt and adjustable front fixing ball bearing joint are ideal to allow suitable clearance and adaptability to the angular motions occurring during gate operations.

The cover is made of anodized aluminium, the thickness of which is adequate to ensure enough protection to the piston shaft. It has a characteristic and unique shape and is fixed through a plug and two bolts.

This operator is the result of the technical research carried out for many years to ensure a long lasting reliable unit.

TECHNICAL SPECIFICATIONS

Oil-hydraulic piston and hydraulic pump

Time for one stroke	24 s
Pump flow rate - P5	1.4 ℓ /min.
Stroke	280 mm
Piston diameter	45 mm
Shaft diameter	20 mm
Thrust power	3'000 Nm
Average working pressure	1 MPa (10 bars)
Max. pump pressure	3 MPa (30 bars)
Type of hydraulic oil	A 15 FADINI by AGIP
Working temperature	- 25°C + 80°C
Weight of HINDI 880 complete	11 Kg
Max. weight of the gate	150/180 Kg
Protection standards	IP 553
Overall dimensions (LxWxH)	1'085x92x110 mm

Electric motor

Power output	0.18 KW (0.25 HP)
Supply voltage	230 V
Frequency	50 Hz
Absorbed power	250 W
Absorbed current	1.2 A
Motor rotation speed	1'350 r.p.m.
Capacitor	12.5 μ F
Intermittent service	S 3

Duty cycle 25 s Opening - 30 s Stop - 25 s Closing

Time of one complete cycle 80 s

No. of complete cycles Opening-Stop-Closing 45/h

131'000 cycles a year, 8 hours' service a day



EUROPEAN MARK CERTIFYING CONFORMITY
TO THE ESSENTIAL REQUIREMENTS OF THE
STANDARDS 98/37/EC



FADINI
the gate opener
Made in Italy

Drwg. No. **1702**

TECHNICAL SPECIFICATION TABLE

**OIL-HYDRAULIC OPERATOR
ABOVE GROUND**

