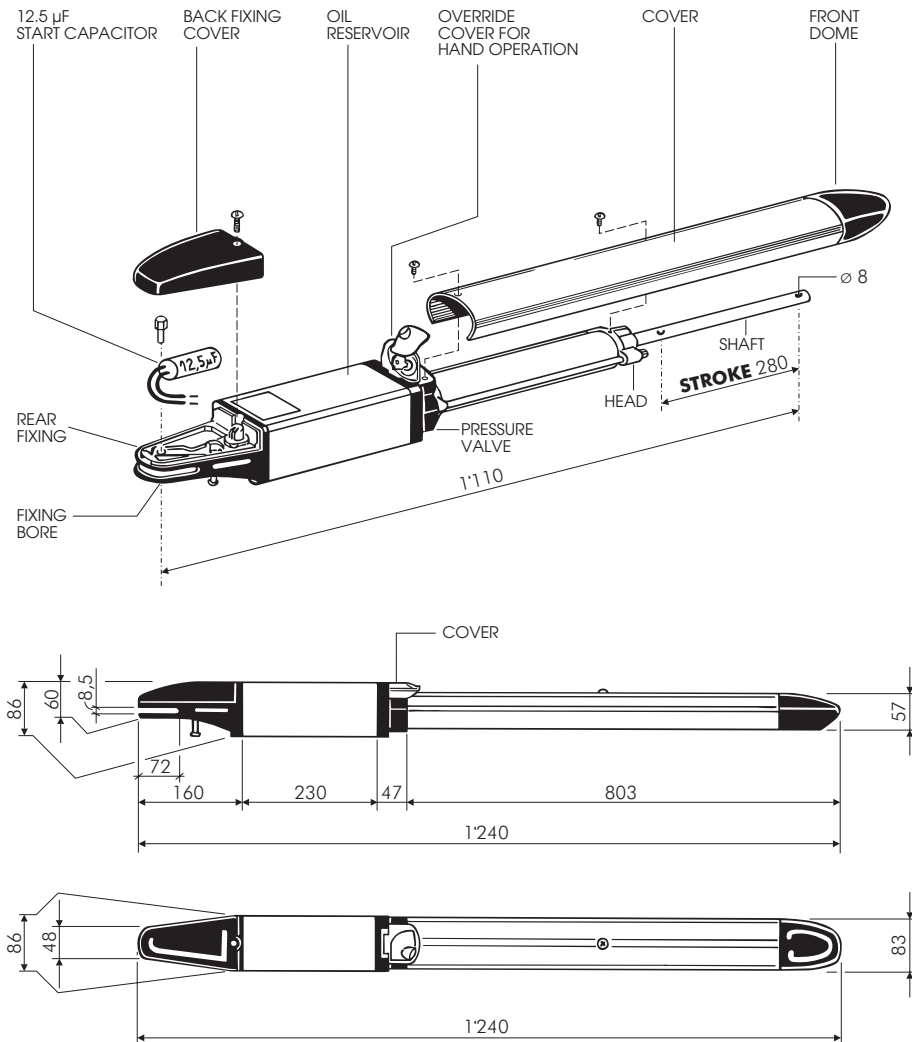


OVERALL DIMENSIONS



GB

"NUPI 66" is an oil-hydraulic actuator to automate swinging gates, designed and manufactured by FADINI with high precision technique.

This product incorporates the motor, pump and valve assembly in one block, an innovative design, implying that all the parts work as a single unit immersed in an oil bath in the oil reservoir; oil is special and makes the unit unaffected by cold or hot weather.

A unique feature of this new product is the absence of max./minimum pressure adjustments. Pressure control is electronically achieved through "Elpro 7", the electronic control panel, specially designed for this unit to control power and provide anti-crush safety; people and vehicles are so protected from crush hazard as the electric motor is instantaneously pulsed to stop by the control panel.

The electric motor is class H, designed to work 230 V in an oil bath, and directly connected to a lobe pump type P5 to ensure constant flow rate. Two way locking in open, close and stop gate positions.

Overriding in case of an emergency is by a special key. Once the actuator is unlocked, oil can directly flow from the cylinder chamber to oil reservoir, and the gate is released for manual operations.

The rear fixing of "NUPI 66" has a peculiar design as it incorporates a 12.5 µF capacitor, connected to a special terminal board, and provides a base for the oil reservoir. The head is made of aluminium; the casting has a central bore allowing the movements of the chromium plated steel shaft, fully sealed in conformity to the European standards.

Front and back fixings of "NUPI 66" are by hexagonal-head bolt (back) and pin/circlip (front) respectively.

The actuator is completed with a streamlined cover, made of a combination of materials, all tested and guaranteed, such as anodized aluminium and carefully selected plastic to ensure a perfect performance in any working conditions and harsh environment. All parts are fastened and fixed by stainless steel screws.

The materials used for the components and the machined parts are treated to prevent rust problems. All units are tested in a highly selective quality control program.

TECHNICAL SPECIFICATIONS

Oil-hydraulic Operator

Shaft travelling time	21 s
Pump flow rate - P5	1.4 l/min.
Piston stroke	280 mm
Piston diameter	45 mm
Shaft diameter	16 mm
Pushing power open	2720 N
Pulling power close	3120 N
Working pressure	2 MPa (20 bars)
Power oil	Fadini A 15 by AGIP
Working temperature	- 20°C + 80°C
Weight of Nupi 66 complete	8 Kg
Protection standards	IP 553
Overall dimensions (LxWxH)	1'240x86x86 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 µF
Intermittent service	S 3
Flexible electric cable	CEI 20-52 FROR 450/750 V
Class	H
Gate height 1'200 gate width 1'600	
Static weight per gate leaf	70-100 Kg

Duty cycle 19 s Opening - 30 s Stop - 21 s Closing

Time of one complete cycle 70 s

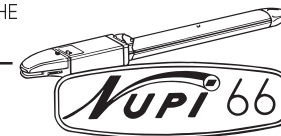
No. of complete cycles Opening-Stop-Closing 51/h
150'000 cycles a year, 8 hours' service a day



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



FADINI
the gate opener
Made in Italy



meccanica
FADINI

Drwg. No. **3250**

TECHNICAL SPECIFICATION TABLE

OIL-HYDRAULIC OPERATOR ABOVE GROUND FOR SWINGING GATES