

Automatic Barrier

F620



■ 596/615 BPR control unit

Specifications

Automatic barrier for beam up to 5m • Use Frequency 100% • Opening/Closing time 3.5~4 sec • Actuating system consisting of hydraulic pump unit, plunger pistons, equaliser and transmission shaft • Balancing by compression spring • Internal stops adjustable for open or closed beam positions • Load bearing housing in steel protected by galvanized, phosphating and dust painted RAL 2004 • Overall dimensions 200x360x1080 mm (LxWxH) • Protection class IP 44 • Release device accessible from the outside by triangular or customized key (optional) • Hydraulic pump unit with hydraulic locking on opening and closing • Electric power supply 230Vac (+6% -10%) -50(60) Hz • Electric motor power 220 W • Thermal protection at 120°C built into motor winding • Operating ambient temperature -20°C to +55°C • Single phase motor with two rotation directions (1400 rpm) • Hydraulic gerotor pump (max low noise) • Pump flow rate 0.75-1 L/m • Die-cast distribution flange • Separate control of opening and closing force by by-pass valves • Tank in anodised aluminium • Mineral hydraulic oil with additives • Travel limit deceleration • Adjustable deceleration angle by cams • Designed to accommodate rectangular, rectangular with skirt, articulated rectangular, round, round pivoting beams • Built-in electronic control board

Application Areas



Governmental
Institutions



Commercial
Areas



Financial
Institutions



Airport
Premises



Business Office
Centers



Hotels



Sports
Complexes



Recreational
Areas

The Ideal Solution for Heavy Traffic

The F620 barrier of up to 5m is suitable for heavy but not continuous traffic. The barrier is supplied with a wide range of accessories, including a skirt to prevent unwanted break-ins.

Totally Flexible

The F620 barrier range is equipped with electronic deceleration at opening and closing. A version with articulated beam for low ceilings is available on request.

Long-term Reliability

Use of cutting-edge materials and treatments such as galvanized, phosphating and dust painted plus tried and tested hydraulic technology, all combine to ensure long-life.

Leading-edge Technology

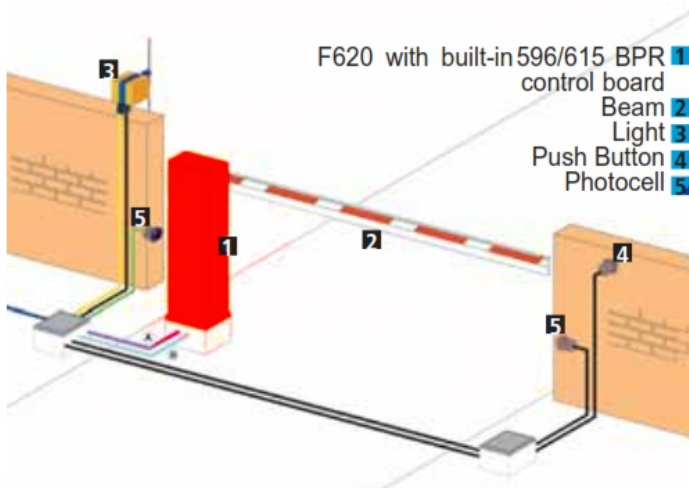
SMT microprocessor electronic technology is supplied standard to ensure exceptional performance. By means of an optional card, the barrier can also control auxiliary services and an additional opposing beam.

Electronic Intelligence

The electronic intelligence of the F620 range functions by means of seven differentiated logics, the latter was expressly designed for automatic parking systems.

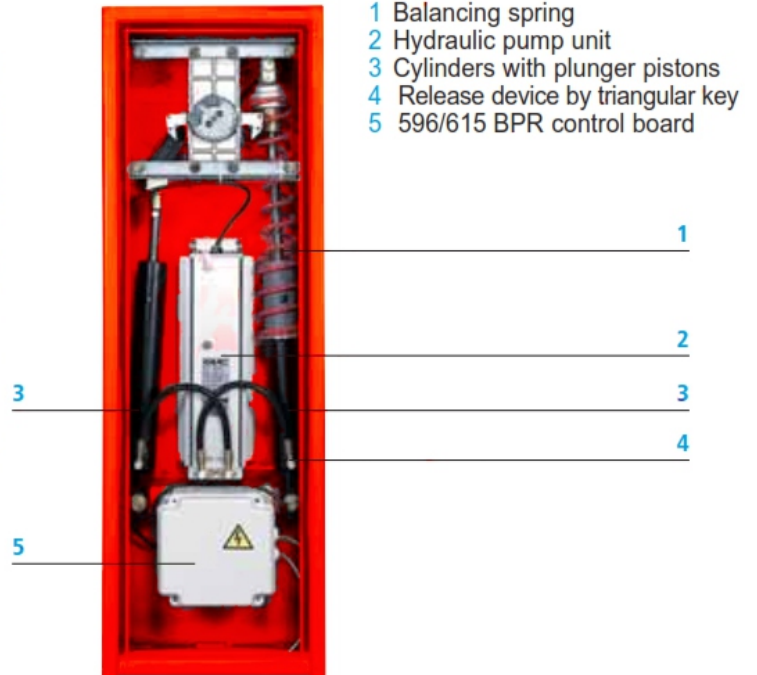
Automatic Barrier F620

Installation Layout



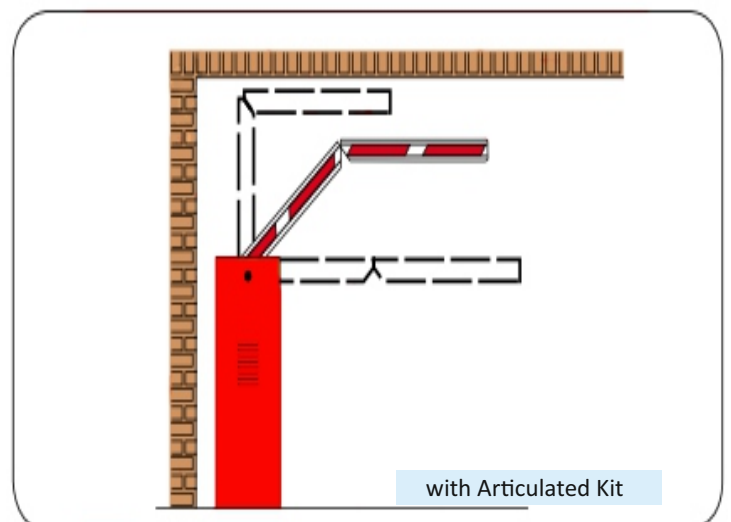
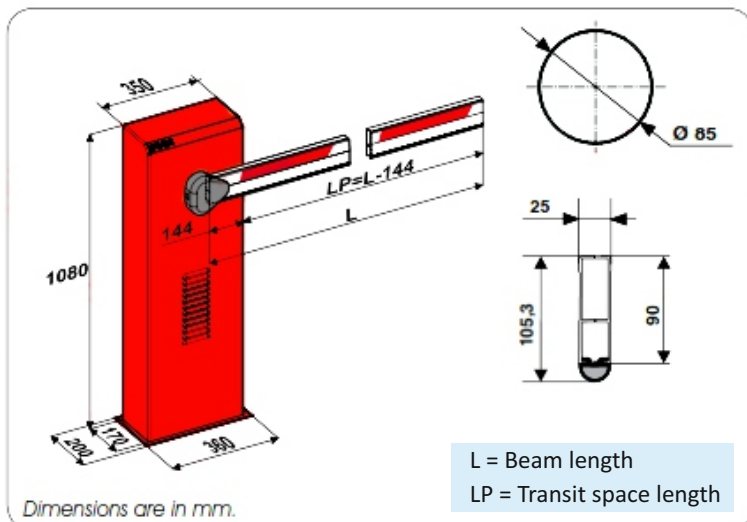
Low voltage cabling	Power cabling (230V)
A { <ul style="list-style-type: none"> 3 cables 3x0,5 1 cable 2x0,5 	B { <ul style="list-style-type: none"> 1 cable 2x1,5+T 1 cable 2x1,5

N.B: Cable diameters in mm²



Model	Beam Max. Length (m)	Use		Control Board
		Opening Time (s)	Use Frequency (%)	
F620 Standard LH/RH	5	3.5~4	100	596/615 BPR
F620 Std. Art. LH/RH	4 (Articulated)	3.5~4	100	596/615 BPR

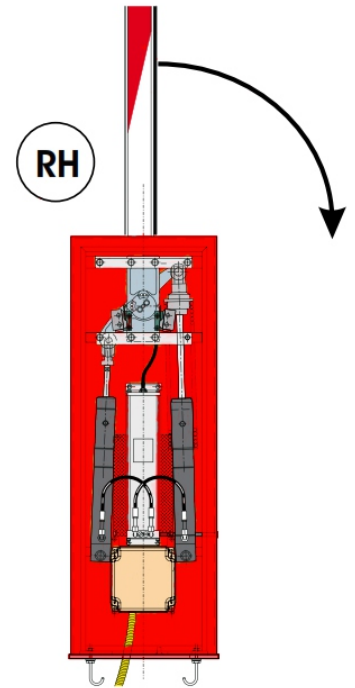
Dimensions



Automatic Barrier F620

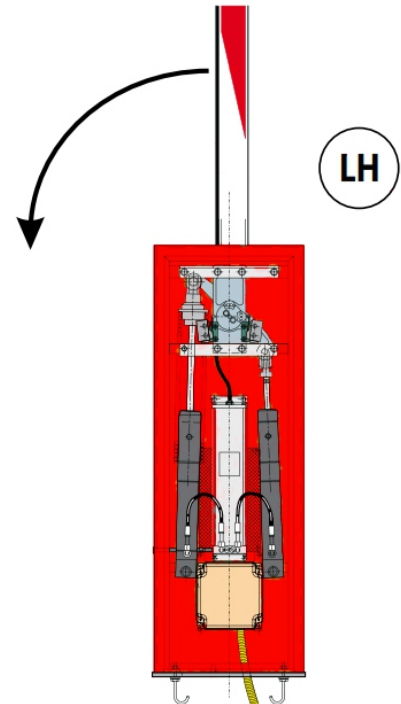
Technical characteristics of F620 Barrier RH/LH

Make	NEPTUNE
Model	F620
Power Supply	230Vac (+6% - 10%) 50 (60) Hz
Electric Motor	Single phase, Bi-directional
Absorbed Power	220 W
Absorbed Current	1 A
Motor Rotation Speed	1400 RPM
Pump Flow Rate	0.75/1 L/min.
Thermal Protection on motor winding	120°C
Effective Torque	0-200/0-150 Nm
Electronic Deceleration	Adjustable with cams
Thrust Capacitor	8µF 400V
Operating Ambient Temperature	-20°C to +55°C
Weight	73 Kg
Type of Oil	HP Oil
Barrier Body Treatment	Galvanized, Phosphating and dust painted
Paint	RAL 2004 polyester
Protection Class	IP 44
Type of Beam	Rectangular standard, Rectangular Rectangular standard with skirt Articulated standard, round, round pivoting




Technical characteristics of 596/615 BPR Card

Power Supply	230Vac~-50 Hz
Absorbed Power	4 W
Motor Maximum Load	800 VA
Accessories Maximum Current	250 mA
Environment Temperature	-20°C to +55°C
Fuses	F1=6.3A-250V, F2=self resetting
Operating Logics	B/C, B, C, EP, AP, P, A default = EP
Work Time (Tim-out)	Self learning (0-10 min in 2.5 sec steps) Default = 10 min
Pause Time	Self learning (0-5 min in 1.5 sec steps) Default = 15 sec
Terminal Board Inputs	Open, Close, Stop, Limit-switch, CL safety devices, Power supply
Terminal Board Outputs	Motor, Flashlight, Courtesy Light and Power supply to accessories
Programmable Functions	Operation for barrier or up and over logic
Functions through Learning	Work time, Pause time



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