

620 SR

FAAC

for beams up to 3 m



■ New pocket



■ Self-supporting barrier body



■ 624 BLD Control board

■ Use versatility

The "rapid" version of the FAAC 620 offers the continuity solution to the traffic problem. It enables uninterrupted use frequency thanks to real-time detection of oil temperature. For barriers of up to 3 metres in length, opening time is under 2 seconds.

■ Totally flexible

The FAAC 620 range is equipped with electronic deceleration at opening and closing. A version with articulated barrier for low ceilings is available on request.

■ Long term reliability

Use of cutting-edge materials and treatments such as cataphoresis and niplay, plus tried-and-tested FAAC hydraulic technology, all combine to ensure long-life.

■ Leading-edge technology

SMT microprocessor electronic technology is supplied standard to ensure exceptional performance. The new 624 BLD electronic control board can also control auxiliary services and an additional opposing beam. Barrier statuses can be signalled to traffic control devices.

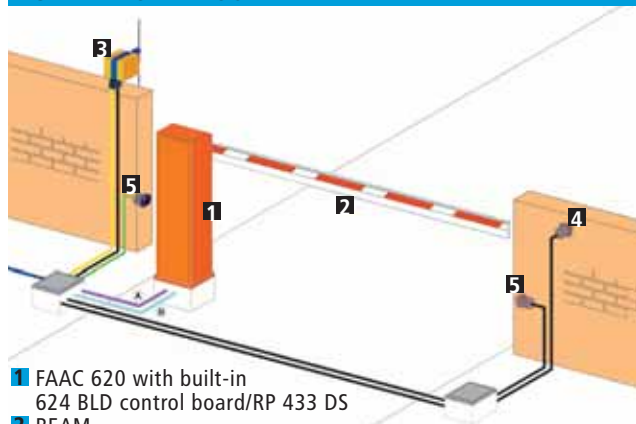
■ Electronic intelligence

The electronic intelligence of the 620 range functions by means of several preset logics: E.G. automatics, semi-automatics, parkings, condominium and of a "custom" logic that allows a total customization to fit any user's need.

SPECIFICATIONS

Automatic barrier for beams up to 3 m • Use frequency 100% • Opening/closing time 0.8s (models 0.8/0.8) or 2.2 s (models 0.8/2.2) • Activation system comprising hydraulic pump unit, adjustable pistons with hydraulic deceleration, equaliser and transmission shaft • Balancing by compression spring • Internal stops adjustable for open or closed beam positions • Load bearing housing in steel protected by cataphoresis treatment and polyester powder paint RAL 2004 • Overall dimensions 200x380x1080 mm (LxWxH) • Protection class IP 44 • Release device accessible from the outside by triangular or customised key (optional) • Hydraulic pump unit with opening and closing hydraulic locking • Electric motor power supply 230 Vac (+6% -10%) - 50(60) Hz • Electric motor power 220 W • Thermal protection at 130°C built into motor winding • Operating ambient temperature -20°C ÷ +55°C • Single-phase motor with two rotation directions (2,800 RPM) • Hydraulic gerotor pump (max low noise) • Pump flow rate 3 l/m • Die-cast distribution flange • Separate control of opening and closing force by by-pass valves • Anti-crushing safety • Tank in anodised aluminium • Mineral hydraulic oil with additives • Adjustable hydraulic deceleration • Adjustable deceleration angle by cams • One- or two-fan ventilation • Designed to accommodate standard rectangular, round, pivoting round beams • Built-in electronic control equipment

INSTALLATION LAYOUT



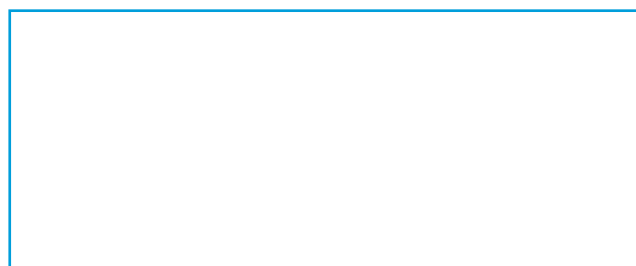
- 1 FAAC 620 with built-in 624 BLD control board/RP 433 DS
- 2 BEAM
- 3 FAACLIGHT
- 4 FAAC T10
- 5 FAAC FOTOSWITCH

Low voltage cabling	Power cabling (230V)
(A) { 3 cables 3x0,5 1 cable 2x0,5	(B) { 1 cable 2x1,5+T 1 cable 2x1,5

N.B: Cable diameters in mm²

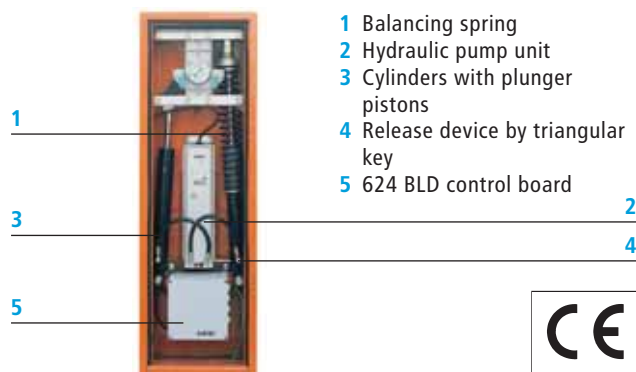
Technical characteristics	620 SR LH/RH
Power supply	230 Vac (+6% -10%) 50 (60) Hz
Electric motor	Single-phase, bi-directional
Absorbed power	220 W
Absorbed current	1 A
Motor rotation speed	2.800 rpm
Pump flow rate	3 l/min
Thermal protection on motor winding	130°C
Effective torque	0÷100 / 0÷80 Nm
Electronic deceleration	Adjustable with cams
Operating ambient temperature	-20°C ÷ +55°C
Weight	80 kg
Type of oil	FAAC HP OIL
Barrier body treatment	Cataphoresis
Paint	RAL 2004 polyester/inox
Protection class	IP 44
Cooling	Forced air
Type of beam	rectangular - round standard - round pivoting

Model	Use			Control board
	Beam max. length (m)	Opening time (s)	Use frequency (cycles/hour)	
620 SR LH/RH	3,00	open/close 0,8/0,8	100	624 BLD included
	3,00	open/close 0,8/2,2	100	624 BLD included



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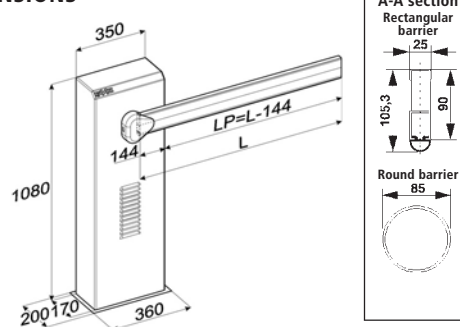
- 1 Balancing spring
- 2 Hydraulic pump unit
- 3 Cylinders with plunger pistons
- 4 Release device by triangular key
- 5 624 BLD control board



Technical characteristics of 624 BLD Control Board

Power supply voltage	230 Vac(+6%-10%)-50 Hz
Absorbed power	7 W
Motor max load	300 W
Power supply for accessories	24 Vdc
Accessories max current	500 mA
Ambient temperature	-20°C ÷ +55°C
Fuses	F1=F 5A-250 V F2=T 0.8A-250V
Function logics	Automatic, Automatic 1, Semiautomatic, Parking, Parking-Automatic, Condo, Condo-automatic, FAAC CITY, Dead-man, Remote, Custom
Work time	Programmable(from 0 to 4 minutes)
Pause time	Programmable(from 0 to 4 minutes)
Motor power	Programmable on 50 levels
Terminal board inputs	Loop 1, Loop 2, Open, Close, Closing safety devices, Stop, Emergency, Power supply 230 Vac+Earth
Connector inputs	Opening and closing limit-switch, Detector, Motor capacitor, Rod detachment sensor
Terminal board outputs	Flashing light, Fan, Motor, Power supply 24 Vdc, Fail-safe, Status output, Indicator light 24 Vdc, BUS
Rapid connector	5-pin Minidex board coupling, Decoder, Receiver RP/RP2
Protection class	IP 55
Programmable functions	Logics, Pause Time, Power, Loop 1 and 2, Thrust torque, Pre-flashing, Slow closure, Deceleration time, Work time, Indicator light output, Fail-safe output, Status output, BUS output, Assistance request.

DIMENSIONS



L = Beam length
LP = Transit space length

Values in mm