580

for counterbalanced up-and-over doors for intensive use



Ideal for heavy traffic garages

For counterbalanced up-and-over doors for accessing heavy traffic garages, with its speed, power and safety, the 580 range satisfies the most demanding applications, without modifying existing structures.

Maximum safety

Safety is guaranteed by the exclusive hydraulic device with anti-crushing protection double bypass valve. The double hydraulic locking facility (supplied as standard) ensures anti break-in security and keeps the door in opening position even in a strong wind.

In case of a power cut, a release facility from inside the garage is supplied, and another from the outside (optional), with customised key.

Silent movement and the reliability of hydraulics

The use of hydraulic oil as motor fluid and highly sophisticated mechanics ensure perfectly silent, smooth movement.

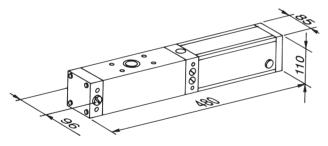
The high precision mechanics of all motor unit components create a single hydraulic block with constant lubrication and cooling.

Low maintenance costs

The degree of reliability of the FAAC hydraulic device cuts down on both maintenance costs and energy consumption. The external components in aluminium ensure unlimited life.



DIMENSIONS



Values in mm

Technical specifications	580	
Power supply	230 Vac (+6% -10%) 50 (60) Hz	
Electric motor	Single-phase, bi-directional	
Absorbed power	220 W	
Absorbed current	1 A	
Effective torque	0÷450 Nm	
Angular velocity	9°15′/s	
Motor rotation speed	1.400 rpm	
Pump flow rate	0,75 l/min.	
Thermal protection	120°C	
on motor winding		
Operating ambient temperature	-40°C ÷ +55°C	
Weight with oil	12 kg	
Type of oil	FAAC HP OIL	
Protection class	IP 55	

Specifications of 596 MPS control board				
Power supply	230 Vac (+6% -10%) 50 (60) Hz			
Maximum load of motors	500 W			
Accessories output	24 Vdc 360 mA max			
Operating ambient temperature	-20°C ÷ +55°C			
Two protection fuses	5 A electric motor			
	0,5 A accessories			
Enclosure dimensions mod. E	204x265x85 (LxHxD)			
Protection class	IP 55			
Protection class	IF 33			

Programmable functions

- Function logics: automatic and semi-automatic
- Pause times Work times
- "Closing photocell" function logic Photocells fail safe Terminal board outputs

- Motor, power supply for accessories, timed courtesy lamp Terminal board inputs
- Open, stop, safety device, opening and closing limit-switch SMT technology

Timed courtesy lamp

Model	Use					
	Door max dimensions W x H (m)	Door max weight (kg/sqm)	Use frequency (cycles/hour)	Control board		
580 CBAC	3,50 x 3,00 (*)	15	60	Not included		
580 SB	3,50 x 3,00 (*)	15	60	Not included		

^(*) For doors with width of over 3.50 m, install two operators.

NOTE: The operator 580 can be controlled also by 452 MPS, 455 D and 462 DF boards, thus enabling the timed electronic deceleration (See pages 124 - 130)