

# 760

## **underground hydraulic operator for residential and light commercial swing gates with single-leaf max weight of 800 kg**



### **WIDE-RANGING TECHNOLOGY**

The FAAC 760 underground system is the new way of opening and closing residential and light commercial gates with leaves of up to 4 metres in length. As it is completely invisible, it does not change the appearance of the gate, which can reach an opening radius of as much as 140°.

### **OPEN TO ALL POSSIBILITIES**

The 760 series is highly versatile: you can choose from self-locking versions at opening or closing, reversible versions, versions with or without gate deceleration near stop-point, as well as rapid or slow versions. The patented deceleration system has both width and intensity adjustment.

### **GUARANTEED EFFICIENCY**

The FAAC 760 model design includes a casing to house automated systems for gates of up to 800 kg per leaf, making installation simple. As the jack and control unit are integrated in a hydraulic circuit, they ensure continuous lubrication and cooling.

### **TOTAL SAFETY**

The exclusive hydraulic device, ensuring maximum anti-crushing protection, features two highly sensitive by-pass valves. In case of an emergency, manual operation is assured by a release system with customised key, accessible from both inside and outside.

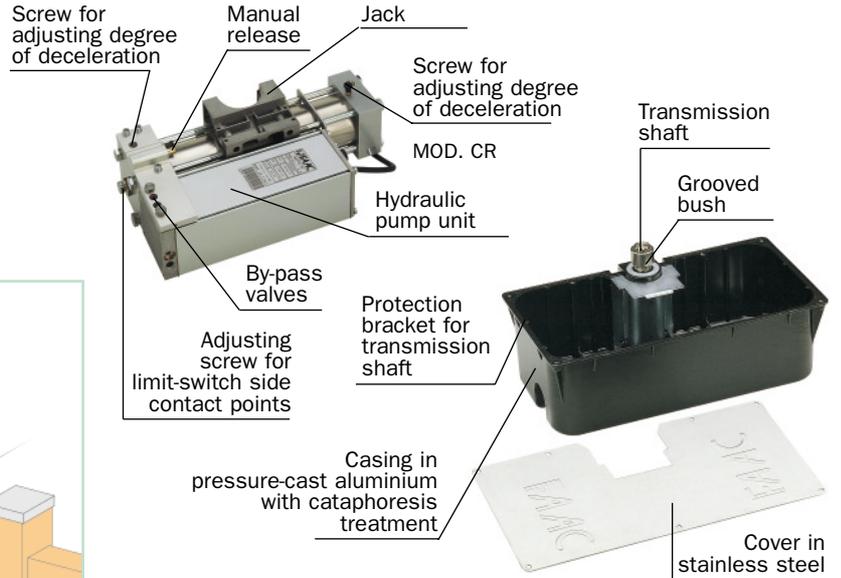
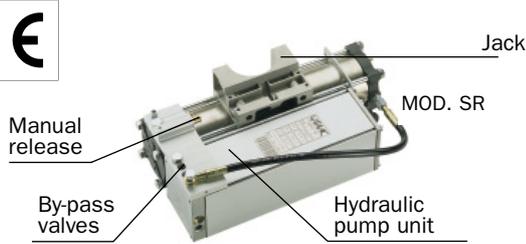
### **LOW MAINTENANCE**

Maintenance is down to a minimum and is also facilitated, since the engineer can access the operator without removing the leaf. Thanks to the system's mechanical efficiency, electrical power consumption is low.

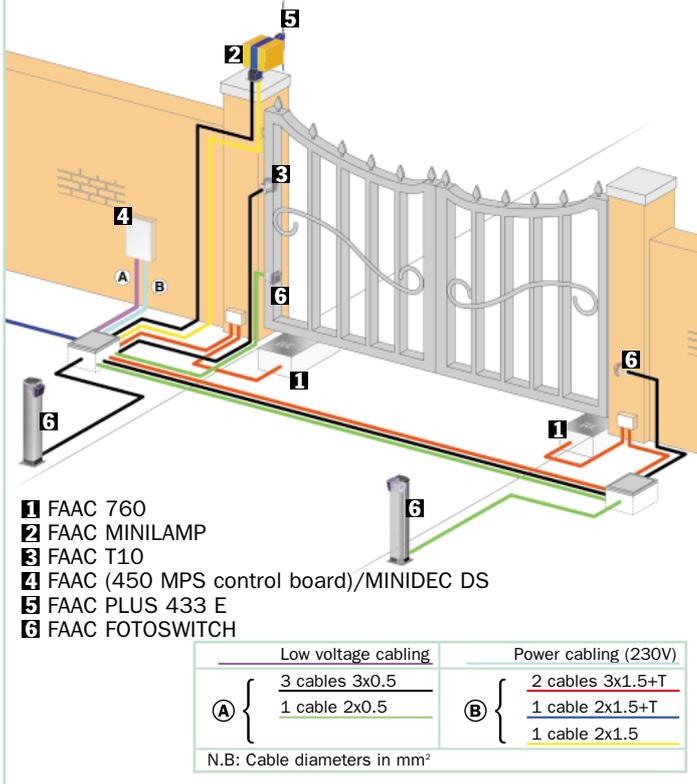
### **SPECIFICATIONS**

Integrated hydraulic operator consisting of pump unit and jack • Hydraulic pump unit models with hydraulic locking on opening and closing and without hydraulic locking • Models suitable for max leaf length up to 4 m • Leaf max weight 800 kg • Models with leaf max opening angle 162° and 148° • Models with max use frequency 30 and 55 cycles/hour • Models with max torque 272 Nm and 543 Nm • Models with angular velocity 5.2°/s and 7.8°/s • Electric motor power supply 230 V (+6% -10%) - 50(60) Hz • Electric motor power 220 W • Thermal protection at 120°C built into motor winding • Operating ambient temperature -20°C +55°C • Protection class IP67 • Release device with triangular or customised key (optional) accessible both from inside and outside • Single-phase motor with two rotation directions • Hydraulic gerotor pump (max low noise) • Models with pump flow rate 0.5 l/min and 0.75 l/min • Die-cast distribution flange • Separate control of opening and closing force by by-pass valves • Anti-crushing safety to UNI 8612 Standards • Tank in anodised aluminium • Rack piston and jack • Die-cast aluminium jack body • NIPLOY treated jack liner • Mineral hydraulic oil with additives

**Casing** • Casing in aluminium with cataphoresis treatment and cover in stainless steel • Drain pipe and electric cable holes • NIPLOY-treated integrated transmission shaft • Radial bearings and thrust bearing • Dimensions (Length x Width x Height) 490 x 260 x 159 mm



### INSTALLATION DIAGRAM SPECIMEN

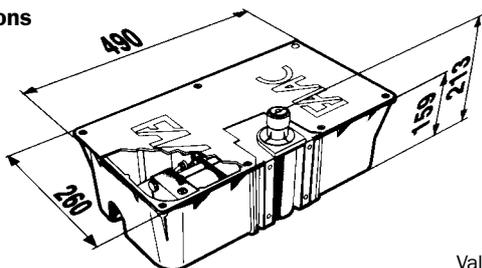


Model	Use			
	Single leaf max length (m)	Single leaf max weight (kg)	Nr. of leaves	Use frequency (cycles/hour)
760 CBAC SR	2,00	800	1	55
760 SB SR	3,00	800	1	55
760 SBS SR	4,00	800	1	30
760 CBAC CR	2,00	800	1	55
760 SB CR	3,00	800	1	55
760 SBS CR	4,00	800	1	30

### Technical specifications of casing

- in pressure-cast aluminium, NIPLOY treated transmission shaft, two radial bearings and one thrust bearing.

### Dimensions



Values in mm

### Electronic control equipment

Model	Specifications
410 MPS	See page 88
450 MPS	See page 88
460 P	See page 89

**N.B.:** Timed electronic deceleration is possible by using the 460 P equipment. By combining the device with GATECODER, in addition to electronic deceleration, the electronic obstacle detection function is also available. (see page 89)

Technical specifications	760 CBAC SR	760 SB SR	760 SBS SR	760 CBAC CR	760 SB CR	760 SBS CR
Power supply	230 V ~ (+6% -10%) 50 (60) Hz					
Electric motor	Single-phase, bi-directional					
Thermal protection on motor winding	120°C					
Motor rotation speed	1400 rpm		960 rpm		1400 rpm	960 rpm
Absorbed power	220 W					
Absorbed current	1 A					
Effective torque	0÷543 Nm		0÷272 Nm		0÷543 Nm	0÷272 Nm
Angular velocity	7,8°/s		5,2°/s		7,8°/s	5,2°/s
Operating ambient temperature	-20°C +55°C					
Weight with oil	13 kg					
Type of oil	FAAC oil XD 220					
Rotation maximum angle		162°				148°
Protection class	IP 67					
Deceleration angle		-				10°
Degree of deceleration		-				adjustable