

# 844 MC

## **gearmotor** for sliding gates with max weight of 3960 lb

available at AFW Access Systems

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### **IDEAL FOR COMMERCIAL OR INDUSTRIAL GATES**

The FAAC 844 gearmotor was designed to move the heaviest commercial or industrial gates in the simplest, most convenient way.

### **TOTAL SAFETY**

The special twin-disk anti-crushing clutch, in oil bath, enables thrust adjustment from 0 to 110 daN. As the gearmotor is non reversing, no electric locks need be installed and, in the event of power failure, the key-operated release device makes it possible to open and close the gate manually.

### **LONG LIFE**

Constant, complete oil-bath lubrication of mechanical components plus assembly in a high resistance pressure-cast aluminium body ensure a very long life.

### **RELIABLE, SAFE ELECTRONICS**

All commands come from a FAAC designed control board with microprocessor, on the leading-edge in terms of safety and reliability. Leaf stopping space can be electronically programmed.

### **EASY AND INEXPENSIVE**

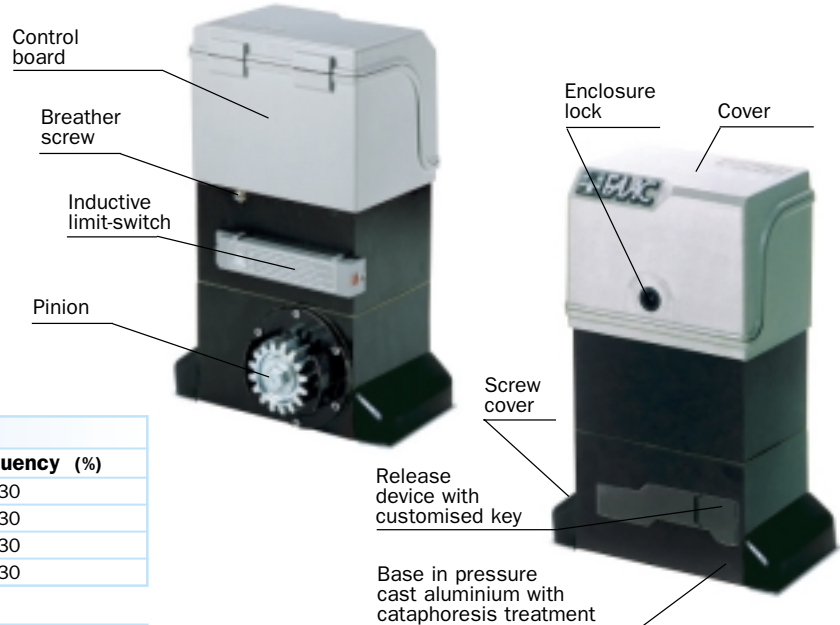
The electronic equipment housed inside the gearmotor facilitates and speeds up installation, at lower cost.

#### **844 MC Z16 CR SPECIFICATIONS**

Non-reversing screw gearmotor • Gate maximum weight 1,800 Kg • Gate speed 9.5 m/min • Use frequency max. 30% • Max thrust 110 daN • Electric motor power supply 230 V (+6% -10%) - 50 (60) Hz • Electric motor power 650 W • Thermal protection at 130°C built into motor winding • Operating ambient temperature -20°C +55°C • Protection class IP 44 • Lever operated release device with coded key • Single-phase, bi-directional motor (1,400 rpm) • Pinion gear Z 16/module 4 • Inductive limit-switch • Lower and upper half-body in pressure cast aluminium with cathoporesis treatment • Twin-disk clutch in oil-bath • Anti-crushing safety to UNI 8612 standards • Opening/closing force adjustable by hexagonal key • Galvanised foundation plate with side and height adjustment (optional) • Dimensions (L x W x H) 280 x191 x 385 mm • Built-in electronic card • ABS electronic card enclosure with triangular key

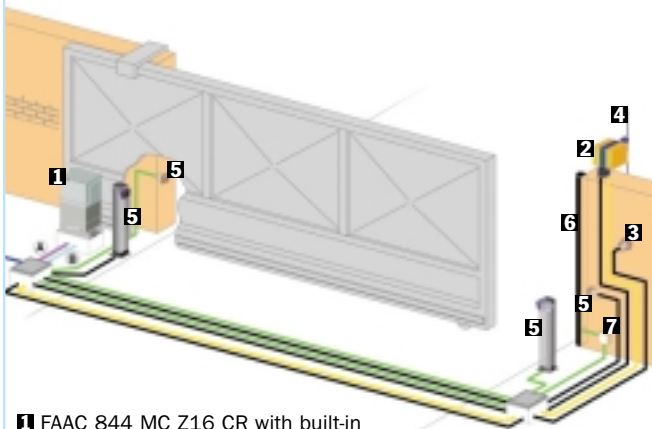
#### **844 MPS electronic card**

Electronic card with limit-switch inputs for controlling sliding gate gearmotors • Motor max load of 650W • 24 Vdc - 500 mA max. output for accessories • Microprocessor control • 3 protection fuses (motor/accessories - transformer) • Connector for card receiver/decoding cards • Separate high and low voltage terminal boards • Inputs status signalling LEDs • Programming Dip Switches • Braking control trimmer • Automatic (A1-S1-S2) and semi-automatic (E1) function logics • Two logics for safety devices (Dip Switches) • Pause times in selection range of 5 s to 180 s (Dip Switches) • Selectable 5 s pre-flashing (Dip Switch) • Inputs: closing safety devices, stop push-button, total opening push-button, and limit-switch • Outputs: power supply for accessories, motor, flashing lamp and indicator-light



Model	Use	
	Max weight (kg)	Use frequency (%)
844 MC Z16 CR	1.800	30
844 MC CR	1.800	30
844 MC CAT (*)	1.800	30
844 MC RF (*)	1.800	30

### INSTALLATION DIAGRAM SPECIMEN

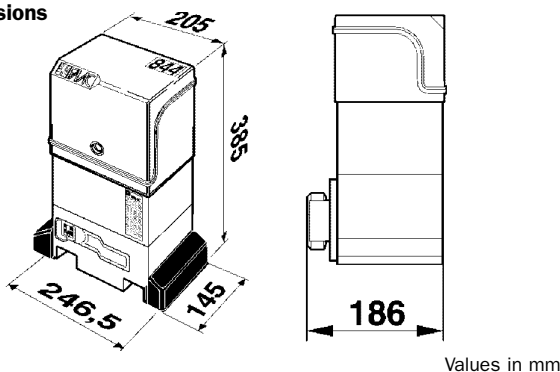


- 1 FAAC 844 MC Z16 CR with built-in control board/MINIDEC DS
- 2 FAAC MINILAMP
- 3 FAAC T10
- 4 FAAC PLUS 433 E
- 5 FAAC FOTOSWITCH
- 6 SAFETY EDGE
- 7 JUNCTION BOX with pressure switches

Low voltage cabling		Power cabling (230V)	
A	4 cables 3x0,5	B	1 cable 2x1,5+T
	3 cables 2x0,5		1 cable 2x1,5

N.B.: Cable diameters in mm?

### Dimensions



Values in mm

Technical specifications of 844 MC	Z16 CR	MC CR	MC CAT	MC RF
Power supply	230 V~ (+6% -10%) 50 (60) Hz			
Absorbed power	650W			
Absorbed current	3.5 A			
Traction and thrust force	0÷110 daN (Z16)			
Motor rotation speed	1.400 rpm			
Reduction ratio	1:30			
Operating ambient temperature	-20°C +55°C			
Weight with oil	14.5 kg			
Protection class	IP 44			
Type of oil	FAAC OIL XD 220			
Gate speed	9.5 m/min (Z16)			
Thermal protection on motor winding	130°C			
Electric motor	Single-phase, bi-directional			
Limit-switch	Inductive			
Clutch	Twin-disk in oil-bath			

### Specifications of 844 MPS electronic equipment (Built into Model 844 MC Z16 CR)

Power supply	230 V~ (+6% -10%) 50 (60) Hz
Motor maximum load	650W
Accessories output	24 Vdc 500 mA max
Operating ambient temperature	-20°C +55°C
Three protection fuses	0.25 A transformer 5 A motor - 1.6 A accessories

- **SMT Technology**
- **Programmable functions**
  - Four function logics A1 - E1 - S1 - S2
  - Pause times
  - Operation of indicator-light
  - Pre-flashing
- **Braking control trimmer**
- **Input and limit-switch signalling LEDs**
- **Indicator-light output**

### Specifications of 844 BC electronic equipment

Power supply	230 V~ (+6% -10%) 50 (60) Hz
Motor maximum load	650W
Operating ambient temperature	-20°C +55°C
Two protection fuses	5 A motor - 1 A accessories

- **Programmable functions**
  - Four "dead-man" function logics B/C/BC/CB
- **Indicator-light output**
- **Power supply and limit-switch LEDs**