

# 844 ER

for sliding gates with max weight of 1.800 kg

844 ER Z16 for rack applications

844 R for rack applications (without pinion)

844 R CAT for chain applications

844 R RF for chain applications with idle transmission



## ■ 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.



■ Cover



■ Release device with customised key

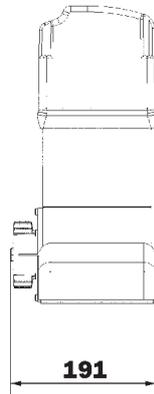
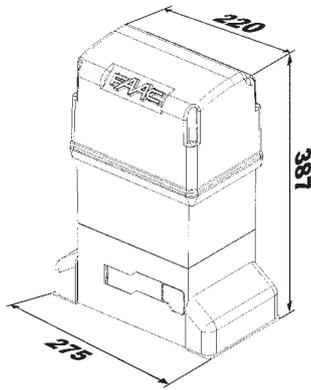


■ Screw cover



■ Base in pressure cast aluminium with cathodoporesis treatment

## DIMENSIONS



Values in mm



- 1 Control board
- 2 Magnetic limit-switch (rack version)
- 3 Pinion



Technical specifications of 844	ER Z16	R	R CAT	R RF
Power supply	230 Vac (+6% -10%) 50 (60) Hz			
Absorbed power	650 W			
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	120°C			
Electric motor	Single-phase, bi-directional			
Limit-switch	Magnetic	Inductive		
Clutch	Twin-disk in oil-bath			

Specifications	Specifications of 780 D control board (to be assembled into 844 ER Z16 model)	578 D control board (for far applications)
Transformer	Faston connection to the PCB	Integrated
Power supply	230 Vac (+6%-10%) 50 Hz	
Absorbed power	10 W	
Motor max. load	1000 W	
Accessories max. load	0,5 A	
Operating ambient temperature	-20°C ÷ +55°C	
Fuses	2	
Function logics	Automatic/"Stepped" automatic/Semi-automatic/Safety devices/Semi-automatic B / Dead-man C /"Stepped" semi-automatic / Mixed B/C logic	
Work time	Programmable (from 0 to 4 min)	
Pause time	Programmable (from 0 to 4 min)	
Thrust force	Adjustable over 50 levels	
Terminal board inputs	Open - Partially Open - Opening safety devices - Closing safety devices - Stop - Edge - Power supply + earth	Open - Partially Open - Opening safety devices - Closing safety devices - Stop - Edge - Power supply + earth - Opening and closing limit-switches - Encoder
On-connector inputs	Opening and closing limit-switch/Motor capacitor	
Terminal board outputs	Flashing lamp - Motor - 24 Vdc accessories power supply - 24Vdc indicator-light - Timed output - Electric lock command - "traffic lights" - Fail safe	
Rapid connector	5-pin card connection for Minidec, Decoder or RP receivers	
Programming	Nr. 3 keys(+,-,F) and display, "basic" or "advanced" mode	
"Basic" mode programmable functions	Function logic - Pause time - Thrust force - Opening-closing direction	
"Advanced" mode programmable functions	Torque at initial thrust - Braking - Fail safe - Pre-flashing - Indicator-light/Timed output/Electric lock or "traffic lights" command - Opening and closing safety devices logic - Encoder/Anti-crushing sensitivity - Deceleration - Partial opening time - Worktime - Assistance request - Cycle counter	
Status indication	Display	
Plastic enclosure compatibility	None	E - L - LM mod.

Model	Use		Control board
	Max weight (kg)	Use frequency (cycles/hour)	
844 ER Z16	1.800	70	780 D built-in
844 R	-	70	Not included
844 R CAT (*)	-	70	Not included
844 R RF (*)	-	70	Not included