

# 844 ER

## Gearmotor

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

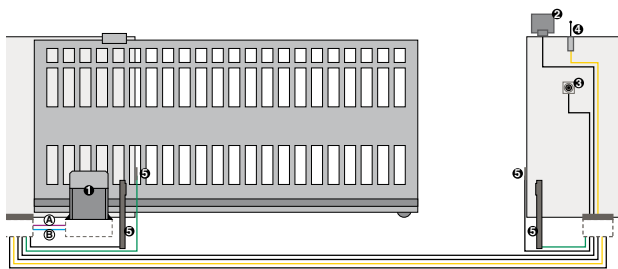


- Ideal for commercial and industrial applications.
- Anti-crushing safety.
- As the gearmotor is non reversing, no electric locks need to be installed.
- In the event of power failure, the key-operated release device makes it possible to open and close the gate manually.
- Twin-disk clutch in oil-bath.
- Inductive or magnetic limit switch (according to model).

### DIMENSIONS AND TECHNICAL SPECIFICATIONS OF 844 ER

	ER Z16	R	R CAT	R RF		ER Z16	R	R CAT	R RF
Power supply voltage	230 Vac (+6% -10%) 50 (60) Hz				Protection class	IP 44			
Absorbed power	650 W				Type of oil	FAAC HP OIL			
Absorbed current	3.5 A				Gate speed	9.5 m/min (Z16)			
Traction and thrust force	0-110 daN (Z16)				Thermal protection on motor winding	120 °C			
Motor rotation speed	1400 r.p.m.				Electric motor	Single-phase, bi-directional			
Reduction ratio	1:30				Limit switch	Magnetic		Inductive	
Operating ambient temperature	-20 °C to +55 °C				Clutch	Twin-disk in oil-bath			
Weight with oil	14.5 kg				Dimensions (L x D x H) in mm	275 x 191 x 387			

### EXAMPLE OF A TYPICAL INSTALLATION



#### ■ (A) Low voltage cabling

- 4 cables 3x0.75
- 2 cables 2x0.50

#### ■ (B) Power cabling (230V)

- 1 cable 2x1.5+T
- 1 cable 2x1.5

N.B: Cable sections in mm<sup>2</sup>

	<b>Re-Seller:</b> SIN CHEW ALARM PTE LTD
	10 Upper Aljunied Link #06-02/03/04
	Singapore 367904
	Tel: (65) 62872788 Fax: (65) 62870856
	Email: enquiry@sinchewalarm.com http://www.sinchewalarm.com

Ref.	Q.ty	Description	Item code	Price (euro)
①	1	Gearmotor 844 ER Z16 with built-in control board	109837	
	1	Foundation plate	737816	
	4 m	Galvanised rack 30x12 with weld-on fittings	490122	
④	1	Receiver RP 433 SLH	787824	
	1	Two-channel transmitter XT2 433 SLH	787003	
②	1	Flashing lamp FAACLIGHT	410013	
⑤	2	Pair of photocells FOTOSWITCH	785152	
	2	Aluminium columns for FOTOSWITCH	401028	
	2	Foundation plates for columns	737630	
③	1	Key-operated push-button T10	401010001/36	
	3	Plastic containers to be walled in	720086	
<b>TOTAL</b>				

#### Notes

**ATTENTION:** The configuration does not include the safety devices (i.e.: active or passive safety edges) that are to be determined according to the specific "risk analysis" of each installation (Ref.: UNI-EN 12445 and 12453 European Standards).

- The indicated price does not include the installation costs and the expenses for masonry, electrical and metalwork preparations.

## 844 ER

Model	Use		Control unit	Item code	Price (euro)
	Max. weight (kg)	Use frequency (%)			
844 ER Z16	1,800	70	built-in 780 D	109837	
844 R	-	70	not included	109838	
844 R CAT (*)	-	70	not included	109839	
844 R RF (*)	-	70	not included	109895	

**The package 844 ER Z16**, designed for on-rack applications, includes: a gearmotor with pinion and control board 780D, limit switch magnets, release key, screw cover. **The package 844 R**, designed for on-rack applications, includes: a gearmotor without pinion and without control board, limit magnets, release key, screw cover. **The package 844 R CAT**, designed for on-chain applications, includes: a gearmotor without pinion and without control board, limit plates for mechanical assembly, release key, screw cover. **The package 844 R RF**, designed for on-chain applications, includes: a gearmotor with idle transmissions without pinion and without control board, Limit plates for mechanical assembly, release key, screw cover.

## CONTROL UNITS



**Control board 578 D (remote installation)**  
Technical specifications page 153

Item code 790922  
Price (euro)



**Control board 780 D**  
Technical specifications page 153



**Enclosure mod. L for control boards**

Item code 720118  
Price (euro)



**Enclosure mod. E for control boards**

Item code 720119  
Price (euro)

## SPECIFIC ACCESSORIES



**Enclosure mod. LM for control boards**

Item code 720309  
Price (euro)



**Foundation plate with side and height adjustments**

Item code 737816  
Price (euro)



**Release lock with customised key from no. 1 to no. 36**

Item code from 712751 to 712786  
Price (euro)



**Rack and chain**  
See page 90



**Pinion Z16 for rack**

Item code 719130  
Price (euro)



**Pinion Z20 for rack**

Item code 719167  
Price (euro)



**Pinion Z16 for chain**

Item code 719137  
Price (euro)



**Pinion Z20 for chain**

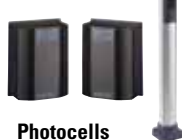
Item code 719135  
Price (euro)

### Notes

(\*) IMPORTANT: Do not use the gearmotor for applications where it is secured at heights that users cannot reach. The key-operated release device cannot be remotely controlled.



**Key-operated push-buttons**  
page 185



**Photocells and Columns**  
page 189



**Safety devices**  
page 191



**Flashing lamps**  
page 193



**Transmitters**  
page 182



**Various accessories**  
page 194