

# 746 ER

## Gearmotor

for sliding gates with max weight of 600 kg

746 ER Z16 for rack applications

746 ER Z20 for rack applications (400 Kg)

746 ER CAT for chain applications

746 ER RF for chain applications with idle transmission

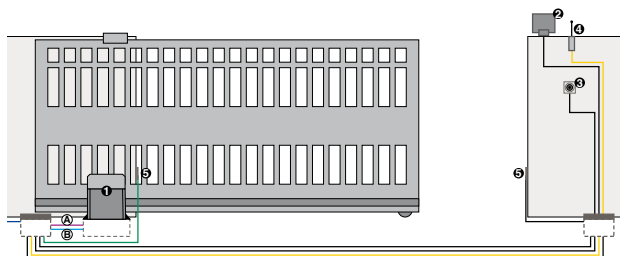


- Maximum anti-crushing safety by coupling the twin-disk oil-bath clutch with the electronic device and encoder.
- As the gearmotor is non reversing, no electric locks need be installed.
- Key protected lever release device.
- Magnetic limit switch device, simplified installation of limit switch magnets
- Designed for height and side adjustable fastening.
- Control board, protected by a housing, for simplified programming via display.

### DIMENSIONS AND TECHNICAL SPECIFICATIONS OF 746 ER

	Z16	Z20	CAT	RF		Z16	Z20	CAT	RF
Power supply voltage	230 Vac (+6% -10%) 50 (60) Hz				Reduction ratio	1:30			
Electric motor	single-phase, bi-directional				Operating ambient temperature	-20 °C to +55 °C			
Absorbed power	300 W				Weight with oil	14 kg			
Absorbed current	1.5 A				Type of oil	FAAC HP OIL			
Traction and thrust force	0 to 625daN	0 to 50 daN			Gate speed	9.6m/min	12 m/min		
Motor rotation speed	1400 r.p.m.				Protection class	IP 44			
Thermal protection on motor winding	120 °C				Dimensions (L x D x H) in mm	275 x 191 x 336			
Clutch	Twin-disk in oil-bath				Limit switch	magnetic		inductive	

### EXAMPLE OF A TYPICAL INSTALLATION



#### ■ (A) Low voltage cabling

- 3 cables 3x0.75
- 1 cable 2x0.50

#### ■ (B) Power cabling (230V)

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

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

Ref.	Q.ty	Description	Item code	Price (euro)
①	1	Gearmotor 746 ER Z16 with built-in control board	109776	
	1	Foundation plate	737816	
	4 m	Galvanised rack 30x12 with weld-on fittings	490122	
	1	Receiver board RP 433 SLH	787824	
	1	Two-channel transmitter XT2433 SLH	787003	
②	1	Flashing lamp FAACLIGHT	410013	
⑤	1	Pair of photocells SAFEBEAM	785165	
⑥		Key-operated push-button T10 E	401019001/36	
<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.

## 746

Model	Use		Control unit	Item code	Price (euro)
	Max. weight (kg)	Use frequency (%)			
746 ER Z16	600	70	built-in 780 D	109776	
746 ER Z20	400	70	built-in 780 D	109773	
746 ER CAT (*)	-	70	built-in 780 D	109774	
746 ER RF (*)	-	70	built-in 780 D	109775	

The packages **746 ER Z16 and ER Z20**, designed for on-rack applications include: a gearmotor with pinion and control board 780D, limit switch magnets, release key, screw cover.

The package **746 ER CAT**, designed for on-chain applications, includes: a gearmotor without pinion with control board 780D, limit plates for mechanical assembly, release key, screw cover.

The package **746 ER RF**, designed for on-chain applications, includes: a gearmotor with idle transmissions without pinion with control board 780D, limit plates for mechanical assembly, release key, screw cover.

### CONTROL UNITS



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



**Foundation plate with side and height adjustments (6 pcs package)**

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**

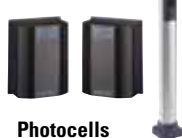
Item code 719135  
Price (euro) \_\_\_\_\_

### 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**  
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**Photocells and Columns**  
page 189



**Safety devices**  
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**Flashing lamps**  
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**Transmitters**  
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**Various accessories**  
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