

# Automated systems for sliding gates

## Type of installation

Residential	740	741	746				
Condominium			746	844 reversible	844		
Industrial				844 reversible	844	844 3Ph	884 3Ph
leaf max. weight (kg)	500	900	600	1.000	1.800	2.200	3.500
	400 (740-24 Vdc)						

# 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

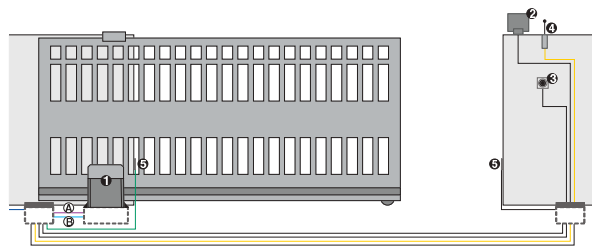


- Maximum anti-crushing safety by coupling the twin-disk oil-bath clutch with the electronic device and encoder
- As the gearmotor is non reversing, no electric locks need be installed
- Key protected lever release device
- Magnetic travel limit device, simplified installation of travel limit magnets
- 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 - +55 °C			
Absorbed power	300 W				Weight with oil	14 kg			
Absorbed current	1.5 A				Type of oil	FAAC OIL XD 220			
Traction and thrust force	0-62.5 daN	0-50 daN		Gate speed	9.6 m/min	12 m/min			
Motor rotation speed	1400 rpm				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				Travel limit	magnetic		inductive	

### EXAMPLE OF A TYPICAL INSTALLATION



- (A) Low voltage cabling
- 3 cables 3x0.50
  - 1 cable 2x0.5

- (B) Power cabling (230V)
- 1 cable 2x1.5+T
  - 1 cable 2x1.5

N.B: Cable diameters in mm

Ref. Q.ty	Description of material	Item code	Price (euro)	Kit
1	Gearmotor 746 Z20 with built-in control board	109773		> see START kit
1	Foundation plate	737816		>
6 m	Galvanised rack 30x12 without fittings	719323		
1	Package of weld-on fittings	722094		
1	Receiver 433 / 868			
1	Transmitter 433 / 868			
1	Flashing lamp FAACLIGHT	410013		
1	Pair of photocells			
1	Key-operated push-button T10 E	401019001/36		

#### 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, travel limit magnets, release key, screw cover.

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

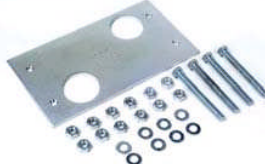
Sliding gates

CONTROL UNIT




Control board 780 D  
see Electronics and Accessories

SPECIFIC ACCESSORIES



Foundation plate with side and height adjustments

Item code 737816  
Price (euro)



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

Codes from 712751 to 712786  
Price (euro)




Rack and chain  
See page 58

SPECIFIC ACCESSORIES



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.

OTHER ACCESSORIES



Key-operated push-buttons  
see Electronics and Accessories



Photocells and Columns  
see Electronics and Accessories



Safety devices  
see Electronics and Accessories



Flashing lamps  
see Electronics and Accessories



Transmitters  
see Electronics and Accessories



Various accessories  
see Electronics and Accessories