



746 E R

230V Gearmotor



Max. leaf weight

400 - 600 Kg

Max speed

9,6 - 12 m/min.

Use frequency

70%

- Maximum anti-crushing safety by coupling the twin-disk oil-bath clutch with the electronic device and encoder.
- Magnetic limit switch.
- Designed for height and side adjustable fastening.



DIMENSIONS AND TECHNICAL SPECIFICATIONS

Model	746 E R Z16	746 E R Z20
Power supply voltage	220-240V~ 50/60 Hz	
Motor	Asynchronous single phase	
Max. power	400 W	
Max. torque	26 Nm (*)	
Max expressed force	810 N (*)	650 N (*)
Reduction ratio	1:30	
Max. leaf width	40 m	50 m
Leaf speed	9.6 m/min	12 m/min
Speed adjustment and motor control	No	
Opening and closing limit switch	Magnetic	
Pinion	Z16 module 4	Z20 module 4
Encoder	Magnetic encoder	
Force adjustment	Twin-disk clutch in oil-bath and via board	
Operating ambient temperature	-20°C ÷ +55°C	
Thermal protection	120°C	
Protection class	IP44	
Weight	14 Kg	
Type of oil	FAAC HP OIL	
Dimensions (LxDxH)	277 x 155 x 337 mm	
Max. leaf weight	600 Kg	400 Kg
Use frequency	70%	
Electronic equipment	780D incorporated	

(*) data referred to 230V~ 50Hz.

FAMILY MODELS

Model	Item code
746 E R Z16	109776
746 E R Z20	109773

PACKS

746 E R includes: Z16 and ER Z20, designed for on-rack applications, include: a gearmotor with pinion and 780D electronic control unit, limit switch magnets, release key, screw covers.

Typical Installation Examples page. 328

ELECTRONIC CONTROL UNITS



780D electronic control unit (incorporated in automation)

Info at page 151

7909212

ACCESSORIES



Foundation plate with lateral and height adjustments

737816



Lock with custom key (1-10)

71275101-10



Kit of 4 fastening screws (to use with 1m cod. 490333-4 kit pack)

390178

RACKS



Galvanised rack 30x12 mod. 4 including weld-on fittings (4 pcs pack, 1 m each)

490122



Galvanised rack 30x8 mod. 4 including weld-on fittings (4 pcs pack, 1 m each)

490123



Galvanised rack 30x12 mod. 4 including mechanical fittings (4 pcs pack, 1 m each)

490124



Galvanised rack 30x12 mod. 4 including mechanical fittings (4 pcs pack, 1 m each)

490125



30x20 mod.4 nylon rack with steel core (4 pcs pack, 1 m each) ♦

490333

PINIONS



Pinion Z20 for rack

719167



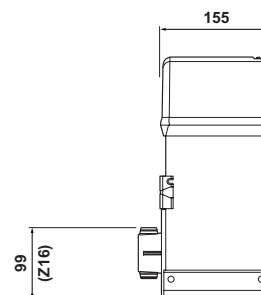
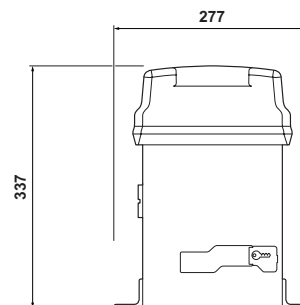
Pinion Z16 for rack

719130

NOTE

♦ Max gate weight: 400kg.

INSTALLATION DIMENSIONS (MM)



For any other configuration please refer to the technical manual

OTHER ACCESSORIES

Key operated buttons
page 174

Safety devices
page 186

Transmitters and receivers
page 166

Photocells and columns
page 183

Flashing lights
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Various accessories
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