

Automated systems for  
slide gates

RESIDENTIAL  
CONDOMINIUM

# 746 ER

## Slide gate operator

max weight

1,400 lb



- Quick and easy installation thanks to the built-in, prewired control unit.
- Maximum anti-crushing safety with a twin-disk oil-bath clutch and electronic board with encoder for reverse on obstacle.
- Non reversing operator, no electric locks needed.
- Key protected manual release device.
- Inductive or magnetic limit switch (according to model).
- Adjustable mounting bracket for flexible positioning.
- Simplified programming via display and pushbuttons.

### TECHNICAL SPECIFICATIONS

Model	Z16	Z20
Input voltage	230 Vac (+6% -10%)	
Power	300 W	
Current	1.5 A	
Electric motor	0.3 KW (0.4 hp)	
Capacitor	12.5 uF	
Traction and thrust force	140 lbf (625 N)	112 lbf (500 N)
Motor rotation speed	1700 r.p.m.	
Reduction ratio	1:30	
Gate max weight	1400 lb (635 kg)	900 lb (408 Kg)
Gate speed	38 ft/min (11.6 m/min)	47 ft/min (14.3 m/min)
Gate max length	131 ft (40 m)	164 ft (50 m)
Use frequency	70%	
Thermal protection on motor winding	120 °C	
Clutch	Twin-disk in oil-bath	
Operating ambient temperature	-4°F - 131°F (-20°C - +55°C)	
Operator weight	31 lb (14 Kg)	
Dimensions (L x D x H)	10.8 x 7.5 x 13.2 in (275x191x336 mm)	
Protection class	IP 44	

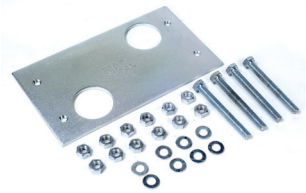
## 746 ER

Model	Shipping Wt (approx)	Part no.
746 ER Z20 Pinion	44 lb (20 Kg)	109773
746 ER Chain	50 lb (22.7 Kg)	109775.5

The packages 746 ER Z20 pinion, designed for on-rack applications include: the operator with Z20 pinion and control board 780D, limit switch magnets, manual release key. NOTE: rack is not included.

The package 746 ER Chain, designed for chain applications, includes: the operator with idle transmissions, Z20 sprocket and control board 780D, limit plates, chain mounting hardware with nickel plated master links, manual release key. NOTE: chain is not included.

## ACCESSORIES



**Foundation plate with side and height adjustments**

Part no.	737816
Shipping Wt	6 lb (2.7 Kg)



**Galvanised rack plus fittings.  
4 sections of 3.3 ft (1m) each**

Part no.	490122.
Shipping Wt	24 lb (11 Kg)



**#40 Nickel plated chain 10 ft length  
with master links**

Part no.	2000
Shipping Wt	5 lb (2.2 Kg)



**#40 Stainless steel chain 10 ft length  
with master links**

Part no.	2002
Shipping Wt	5 lb (2.2 Kg)



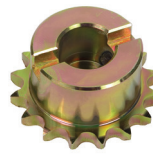
**Pinion Z16 for rack**

Part no.	719130
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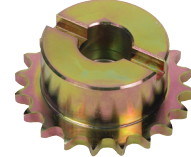
**Pinion Z20 for rack**

Part no.	719167
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**Pinion Z16 for chain**

Part no.	719137
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**Pinion Z20 for chain**

Part no.	719135
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Description	Shipping Wt (approx)	Part Number
780 D Control Board (replacement only)	1 lb (.45 Kg)	7909212
Adapter kit replacement with 780D board and accessories	3 lb (1.4 Kg)	490114
Mounting pedestal 18 in. galvanized	18 lb (8.2 Kg)	2411
XP 30 Photobeam Photocells Pair		785105
XP 30 Stainless Steel Photobeam Photocells Pair		7851051
XP 30 adapter for wall or column mount		401065
XP 30 adapter for conduit connection		401064
Transmitter Rolling Code 433MHz		787453
Receiver Rolling Code 433Mhz		787741