

# AT 80

Gear motor for sliding gates.  
Intensive use up to 800 kg,  
residential use up to 1200 kg.



■ **Maximum reliability** thanks to the steel gears in oil bath.

**Maximum safety** thanks to the mechanical anti-crush clutch system.  
Drive coupling and transmission are achieved using a rack pinion.

■ **Oil bath gear motor** with irreversible reduction unit eliminating the need for additional locking systems.

■ **Customised key lever emergency** unlocking system to release the gate in the event of a mains power failure and to protect against unwanted entry.

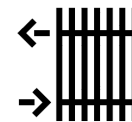
■ **Anti-crush safety** is ensured by an adjustable oil bath clutch which reduces the thrust force of the gate in case of obstacles.

■ **AT80 can be secured to the ground** with either a pivoting or fixed support. The pivoting support enables functioning even when the guide on the ground is not perfectly levelled thus preventing mechanical stress.

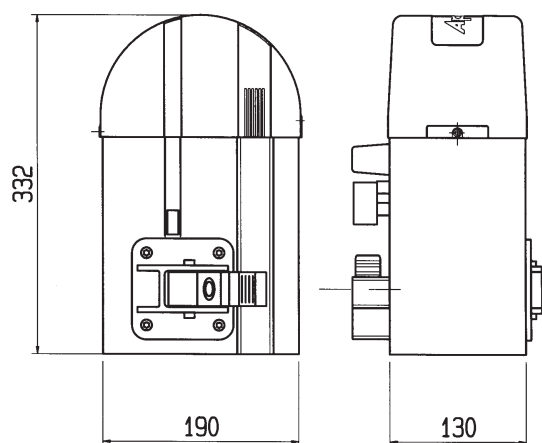
## TECHNICAL DATA

POWER SUPPLY	230 V - 50/60 Hz
ABSORBED POWER	330 W
ABSORBED CURRENT	1.8 A
MAX. THRUST FORCE	1400 N (Z16) - 1120 N (Z20)
LINEAR SPEED	9.5 m/min.(Z16) - 12.0 m/min.(Z20)
OPERATING TEMPERATURE	-20°C to +70°C
LUBRICANT QUANTITY	1.25 Lt
MAX. GATE WEIGHT (residential use)	1200 kg
OVERLOAD TEMPERATURE	90° C
HEIGHT OF PINION FROM GROUND	70 mm
WEIGHT	14 kg
MAX. NO. CYCLES	100 cycles/day
LUBRICANT TYPE	AprimOil DN 22
PROTECTION CLASS	IP 44

# AT 80



## OPERATOR DIMENSIONS



### DESCRIPTION

AT 80YZ 16  
Gear motor with 16 teeth rack and pitch 4 pinion,  
230 V - 50 Hz power supply, power 330 W  
with electro-mechanical limit switch, IF80 fixed installation required

### Max. gate width

800 kg intensive use  
1200 kg residential use

### CODE

41120/003

NOTE: each installation needs one fixing kit IF80 or IB80.

### DESCRIPTION OF OPTIONAL ACCESSORIES

### CODE

PF80 - Foundation plate (pack 4 pieces)	41120/050
IB80 - Pivoting installation	41120/052
IF 80 - Fixed installation	41120/051
Unico 433,92 MHz memory System radio receiver with antenna included	41923/009
TR2 - 433.92 MHz twin-channel transmitter	41903/002
ER2N - Pair of photocells	41811/001
PC12E - Key switch for wall mounting	41830/007
CAL - Aluminium column for the ER4N photocells	41812/050
Straight safety edge 1,5 m	41850/002
Straight safety edge 2,0 m	41850/003
Straight safety edge 3,0 m	41850/004
Aprimatic plastic rack pitch 4 complete with couplings (5 m)	41180/052
ARC - Auto Reverse Card	41127/020

### IDEAL INSTALLATION

### Q.ty

### CODE

AT 80YZ 16 gear motor	1	41120/003
Pack for IF80 fixed installation	1	41120/051
T2E - Electronic control unit	1	41615/003
ER4N - Pair of photocells	1	41812/001
One TR2 - 433,92 MHz twin-channel transmitter	1	41903/002
Unico 433,92 MHz Memory System radio receiver with antenna included	1	41923/009
ET20N - 230 V flashing light	1	41841/009
Aprimatic galvanized rack pitch 4 complete with couplings (5 m)	1	41180/053

NOTE: for control and safety devices and installation accessories, see section "Electronic devices and installation accessories" in this catalogue (consult the index).