



# AT 166

**Electro-mechanical barrier**  
**- 230 V AC and up to 4 m**  
**Intensive and continuous use.**



**AT 166: the perfect solution where speed and intensive use are specified.**

**Manual release lever system for operation in the event of a power failure.**

## TECHNICAL DETAILS

Motor (asynchronous three-phase/single-phase/DC) connected directly to the non-reversible worm screw reduction gear; linkage system with roller bearings.

Mechanical lever limit switch, balancing spring complete with tie rod, sprocket chain adjustment.

Removable lever for emergency operation.

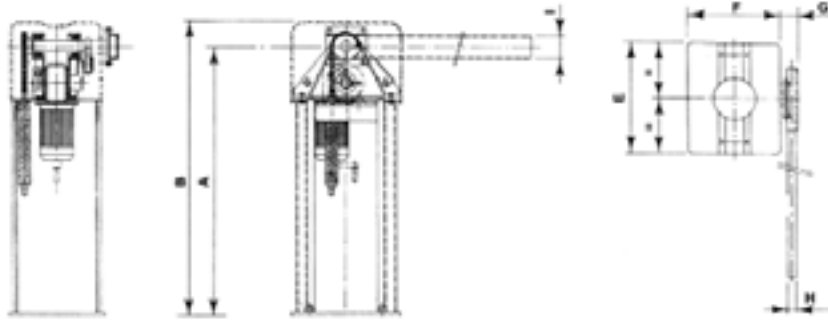
Self-supporting box and removable side hatches with key and removable cover.

TECHNICAL DATA	AT 166M	AT 166T
POWER SUPPLY	230 V 50 Hz single-phase	230/380 V 50 Hz three-phase
MOTOR POWER (KW)	0.15	0.15
ABSORPTION (A)	1.3	0.65*
SLOW REDUCER SHAFT SPEED (R.P.M.)	17.5	17.5
MAX. SLOW REDUCER SHAFT TORQUE (NM)	7	12
OPENING AND CLOSING TIME	2.5 sec	2.5 sec
MAX. BARRIER LENGTH	4	4
OPERATING TEMPERATURE	from -15° to +60° C	from -15° to +60° C
BOX DIMENSIONS	360x310x975 mm	360x310x975 mm
PROTECTION RATING	IP 54	IP 54

\* Absorption is for 380 V.



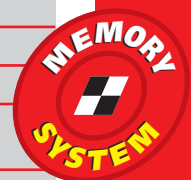
## INSTALLATION



DIMENSIONS	
POS.	AT 166/AT 167
A	900
B	975
E	370
F	310
G	60
H	25
I)	90

DESCRIPTION	Beam length	CODE	EURO
<b>AT 166M</b> Automatic electro-mechanical barrier. Power supply 230 V 50 Hz single-phase. Motor power 0.15 kW. Absorption 1.3 A.	4.0 m	6666100000001	1.436,27
<b>AT 166T</b> Automatic electro-mechanical barrier. Power supply 230/380 V 50 Hz three-phase. Motor power 0.18 kW. Absorption 0.65 A at 380 V 50 Hz.	4.0 m	6666100000003	1.436,27

IDEAL INSTALLATION	CODE
<b>AT 166M</b> Automatic electro-mechanical barrier. Power supply 230 V 50 Hz single-phase. Motor power 0.15 kW. Absorption 1.3 A.	6666100000001
A88E electronic control unit	6630100000905
Pair of ER4N photocells	6635100000008
RG1 single-channel plug-in radio receiver	6620100030001
TG2M pocket mini two-channel transmitter	6620200000602
ASQ30 adjustable antenna for quartz units. External installation for wall-mounting (pack of 6)	6637100000008
PC12 key push-button	6606500000009
ET20 230 V flashing light	6610000040010
<b>Automation total</b>	
<b>BEAMS (90x25 profile)</b>	
Beam length 2.0 m	6607200000001
Beam length 2.5 m	6607200000002
Beam length 3.0 m	6607200000003
Beam length 3.5 m	6607200000004
Beam length 4.0 m	6607200000005



DESCRIPTION OF OPTIONAL ACCESSORIES	CODE
FC64 fork support for AT166-AT167 beams	6602100000001
Swinging tip support	6602100000003
Vertical skirt module 69 cm high Number of vertical modules to be ordered: beam length in metres x 2.	6600800000001
Horizontal skirt module 46 cm centre-to-centre. Number of horizontal modules to be ordered: number of vertical modules -1.	6600800000002

**NOTES:** For the electronic control units, see pages 78-81. - For the control and safety devices, see pages 82-85.  
For the other installation accessories, see pages 100-103. - For other types of product/product versions/configurations, see pages 106-109