

Universal rising barrier of average range (2 to 6 m), for effective access control of intense traffic.

### Description

1. Manufactured in welded steel sheeting, 2 to 6 mm thick.
2. Removable upper hood, locked from the inside.
3. Side door with peripheral weather seal and lock to insure easy access to the internal mechanism.
4. Aluminium tube boom arm with round section dia. 84 mm, varnished white with red reflecting stripes and end-sealing cap.  
Over 5m clearance, a tip support is provided.
5. Arm shaft mounted on two life-lubricated ball bearings.
6. Electro-mechanical assembly comprising:
  - three-phase induction motor,
  - life-lubricated worm-screw gearbox,
  - safety torque limiter with adjustable friction,
  - operation by grooved pulley and V-belt, making the adaptation of the operation speed possible according to the length of the boom arm,
  - movement transmission by crankshaft-rod device with ball strap joints, to insure progressive shock-free accelerations and decelerations, as well as mechanical locking of the boom arm in end positions,
  - limit switches activated by adjustable cams.
7. Balancing by means of 1 or 2 adjustable extension springs.  
The adjustment and number of springs depend on the length of the boom arm and any boom arm options.
8. Programmable electronic control logic type D1 monitored by a micro-controller allowing various control operations and/or complementary accessories (see related technical data sheet). The logic protection to dust and condensation is assured by a removable hood. Electrical protection is secured by a bipolar circuit-breaker.
9. Emergency crank with safety cut-out for manual barrier operation in case of power failure.
10. Fixing frame made of a fixing frame with threaded rods to be fixed in a concrete base to be provided by the customer

### Surface treatment

Protection against corrosion

Internal mechanical items by yellow electrozinc dichromate coating, complete housing by phosphating with zinc and cathaphoresis.

Paint made of 1 coat of 2-component epoxy anti-rust primer, and 1 coat of 2-component polyurethane top coat, standard colour: Orange RAL 2000

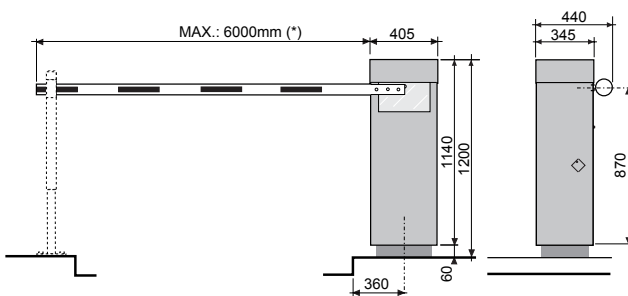
### Technical characteristics

- Power supply: 3-phase 230/400V+N + GND, 50-60Hz (to be precised at the order).
- Power consumption: at rest: 85 W (including heating)  
in operation: 350 W
- Motor: induction, 3-phase, 250 W
- Gearbox: worm-screw, life-lubricated
- Thermostatic heater: 80 W
- Boom arm balancing: by adjustable springs
- Length of boom arm: 2 to 6 m
- Standard boom arm position: left
- Operation temperature: -20° to +50°C
- Operation time: 2 to 5 sec depending on the boom length and the options chosen
- Net weight (without arm): ± 86 Kg
- MCBF: 2.10<sup>6</sup> cycles
- Protection index: IP44

### Optional tip supports

- Folding tip support \*
  - Electromagnetic tip support \*
  - Electromechanical tip support \*
- see specific technical data sheets

### Dimensions



### Options

- Power supply other than three-phase 230/400V current.
- Different relative positions of the door and arm.
- Crank entry closing plate with lock.
- Vehicle presence detector(s).
- Non-standard colour RAL paint (colour to be defined at the time of order).
- Steel raising base.
- Tropicalization of electrical components.

### Boom options

- Continuous or flashing boom lighting\*
- Aluminium-profiled rigid folding skirt \*
- Flexible plastic-linking folding skirt \*
- Arm swing-off system in the event of vehicle impact (3m maximum).
- Folding arm.\*
- Security sensor head with or without detection by pressure switch.
- Sign panel(s)\*.

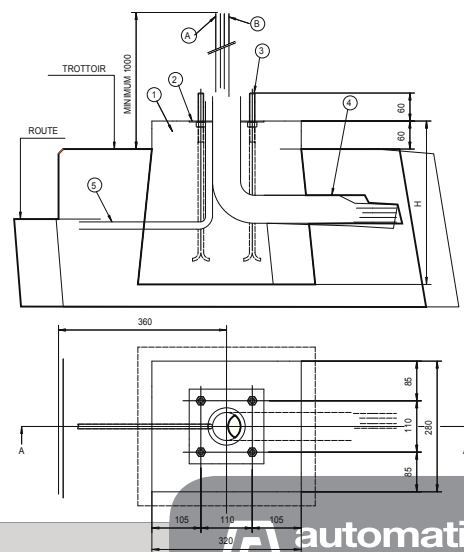
### Note

The choice of an option indicated with an asterisk (\*) will reduce the boom arm range. Please consult sheet "limits of use".

### Work to be provided by the customer

- Three-phase power supply 230 V or 400V+N, 10A + GND.
- Electrical wiring connection to the control instruments.
- Means of fixing to the ground, according to the nature of the existing ground. (please refer to installation plan n° CH745).

### Installation pattern



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