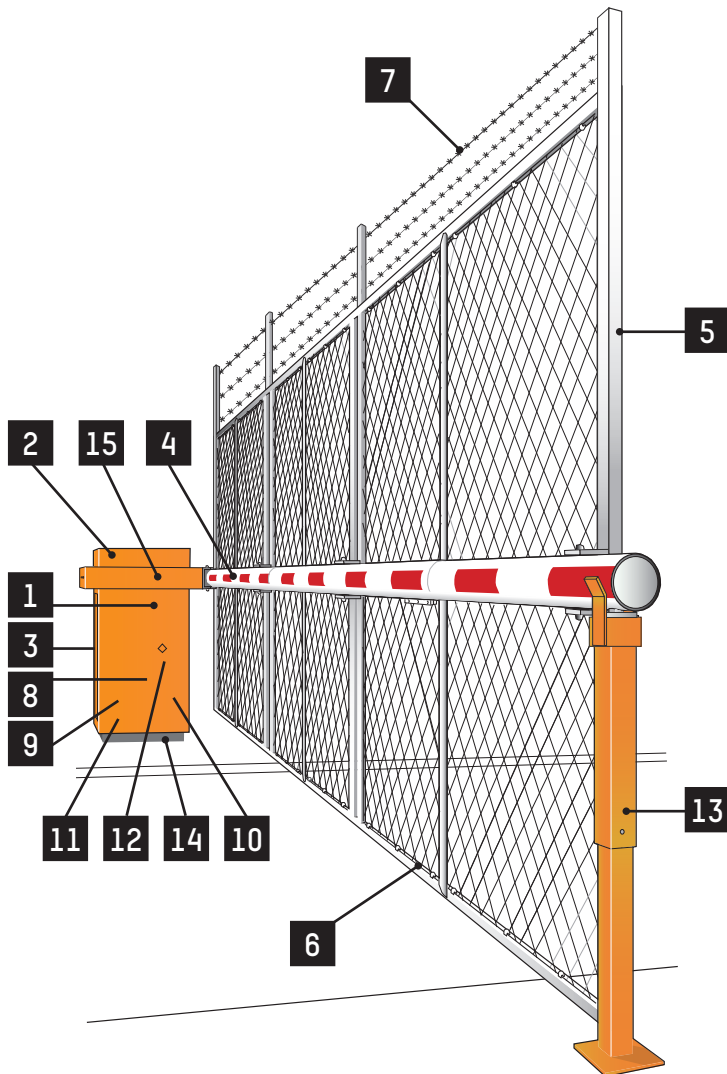


BLG 76

Datasheet

Rev. 13 • Update 01/2020




The **BLG 76** rising barrier is actually rising fences, offering a robust alternative to a sliding gate, with advantages in terms of speed and ground footprint.

DESCRIPTION

1. Manufactured in shaped and welded steel sheeting 3 to 10 mm thick, with a framework of steel profiles welded into a strong section.
2. Removable upper hood, locked from the inside.
3. Two side doors with peripheral weather seals and safety lock to insure easy access to the internal mechanism.
4. Aluminium tube barrier arm, varnished white with red reflecting stripes. The arm can be on the left or the right hand side of the housing. The barrier arm is composed of 3 sleeves of decreasing diameter with an end-sealing cap.
5. Rigid skirt formed by a frame constructed of square steel profiles of 30 x 30 mm, with hot-galvanised steel wire latticework.
6. Stainless steel rod ensuring the tightening of the skirt on the frame.
7. Upper part with barbed wire to avoid climbing over the rigid skirt. *(Only with BLG 76H)*
8. 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 mechanism with ball strap joints, to insure progressive shock-free accelerations and decelerations, as well as mechanical locking of the arm in end positions;
 - Limit switches activated by adjustable cams.
9. Barrier arm balancing by means of a compression spring.
10. Programmable electronic control board allowing various control operations and/or complementary accessories. The board protection to dust and condensation is assured by a removable hood. Electrical protection is secured by a bipolar circuit-breaker.
11. Integrated heating resistance for low temperatures.
12. Emergency crank with safety cut-out for manual barrier operation in the event of power failure.
13. Tip support.
14. Fixing frame made of a frame with threaded rods to be sealed in a concrete base.



STANDARD TECHNICAL CHARACTERISTICS

| | |
|--|--|
| Power supply | Single phase 230 VAC, 50/60 Hz* + Ground. <i>(Not to be connected to a floating network or to high impedance earthed industrial distribution network)</i> |
| Nominal power consumption | 420 W |
| Motor | induction, 3-phase 250 W |
| Gearbox | worm-screw, life-lubricated |
| Thermostatic heater | 80 W |
| Ambient operation temperature | from -35 to +50°C |
| Boom arm balancing | by adjustable spring(s) |
| Useful length of boom arm (L) | 5.50 meters |
| Operation time | 12 sec |
| Net weight <i>(housing)</i> | ± 360 kg |
| Net weight <i>(arm + skirt)</i> | 15 + 52 kg |
| Protection index | IP44 |
| Limit switch sensor | IP65 |
|  | EC norms compliant |

* To precise when ordering.

SURFACE TREATMENT

Protection against corrosion:

- Internal mechanical items: electrozinc coating.
- Complete housing: zinc phosphating and KTL electroplating.
- Skirt: hot-galvanisation.

Paint:

- 1 coat of 2-component epoxy anti-rust primer and 1 top coat of 2-component polyurethane structured paint.
Standard colour for housing: RAL 2000 orange.
Colour for skirt frame: RAL 9010 white.

WORK TO BE SUPPLIED BY THE CUSTOMER

- Power supply.
- Electrical wiring connection to the control instruments.
- Means of fixing to the ground, according to the nature of the existing ground.

Note: comply with the installation drawing.

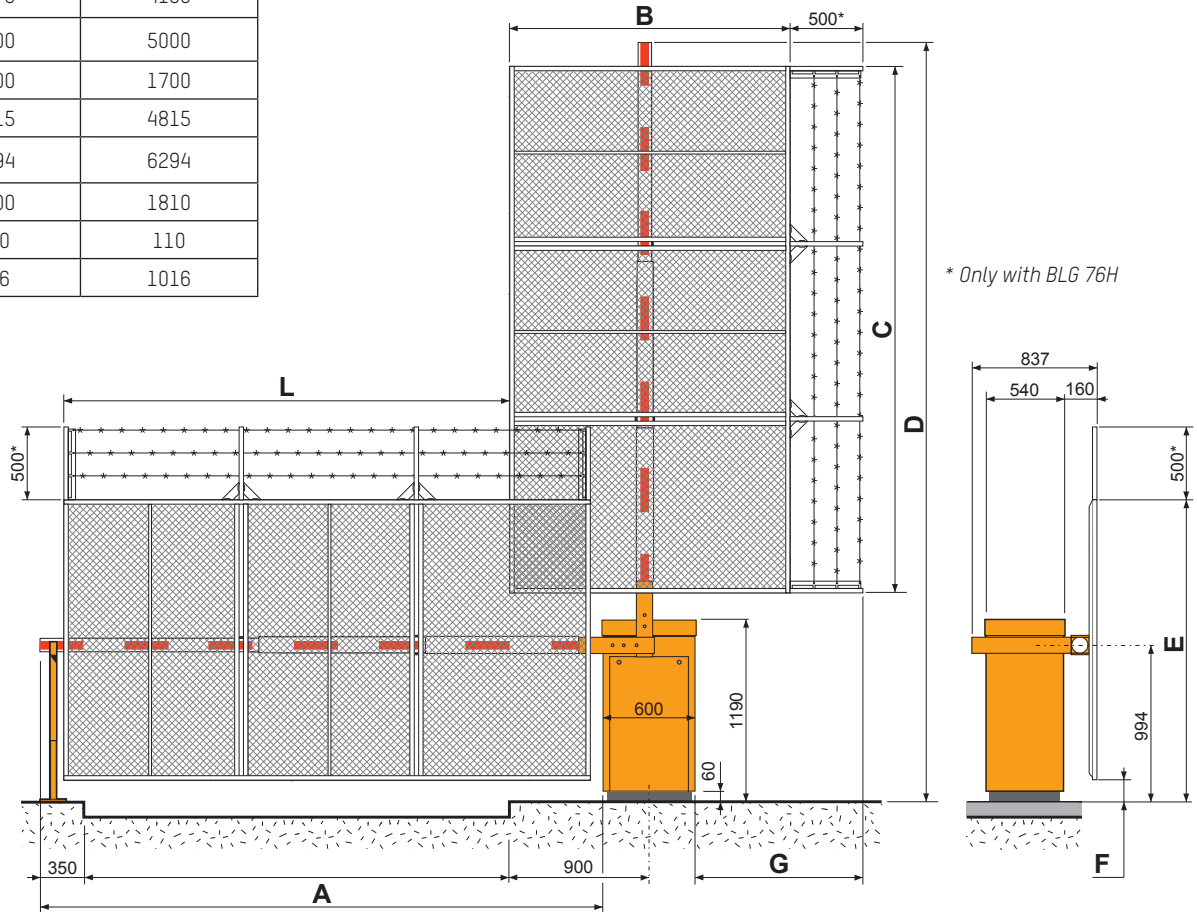
OPTIONS

1. Lock for emergency crank entry.
2. Command by push button(s) box.
3. Command by key switch on housing.
4. Command by radio transmitter/receiver.
5. Inductive loops for car or trucks detection.
6. Loops detector.
7. Photo electric cells *(automatic opening, closing after passage, safety)*.
8. Cell fixed on housing or on post.
9. Input/Output/CAN extension board.
10. Totaling counter *(without or with reset button)*.
11. LED traffic light alone or on a post fixed to housing.
12. Support post for traffic lights.
13. Connection board for not Automatic Systems' traffic light.
14. Non-standard colour RAL paint for housing only.
(to be defined at the order)
15. Treatment for aggressive saline environment.
16. Steel raising base.
17. 120VAC – 60Hz power supply.

Note: for restrictions on the options, consult the rate table.

STANDARD DIMENSIONS (MM)

| | BLG 76L | BLG 76H |
|---|---------|---------|
| L | 4776 | 4186 |
| A | 5500 | 5000 |
| B | 1700 | 1700 |
| C | 5315 | 4815 |
| D | 6794 | 6294 |
| E | 1900 | 1810 |
| F | 200 | 110 |
| G | 606 | 1016 |



Headquarters

Avenue Mercator, 5
1300 Wavre - Belgium



helpdesk.as@automatic-systems.com



+32.(0)10.23.02.11



www.automatic-systems.com

