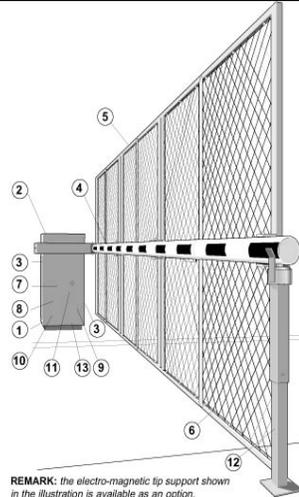


BLG76 BARRIER FENCE OPERATOR



BLG76 BARRIER FENCE OPERATOR

The BLG76 Barrier Fence Operator is designed and manufactured by Automatic Systems. The BLG76 is a unique above ground barrier design that effectively prevents both vehicles and pedestrians from unauthorized access. The BLG76 is typically used for medium traffic volume and single lane access point management. The electromagnetic tip support generates around 200 kg (441 lbs) of holding force.

It is most often used for asset protection in facilities that utilize full perimeter barrier protection. The BLG76 is capable of using barrier arms up to 5m (16'5") and can fully open in 5 to 8 seconds.

SAFETY

- Completed Cycle Locking: Barrier arm mechanically locked in the fully completed 90° vertical up position, and in the completed horizontal down position.
- HD Clutch: Dual Friction Disk: Torque limiter (Heavy-duty), which protects the electromechanical drive system, as well as both vehicles and pedestrians.
- Emergency Crank with safety circuit.
- Barrier arm safety sensor system. (See options).
- Power Failure: System will shut off and the clutch will maintain the barrier arm in its current position.

DESCRIPTION

1. Cabinet housing made of 9 gauge (3 mm) thick, folded and welded sheet steel.
2. Upper cover is 9 gauge (3mm) thick, folded and welded sheets steel, security locked.
3. Key-locked safety access door disconnects power to the unit when the door is opened. Access door on the front (road) or rear side available.
4. Barrier Arm: Round extruded aluminium tube; 12 gauge (2mm) thick. White enamel finish with red reflecting stripes. The arm consists of two (2) interlocking sections with an end cap. Standard arms are always fitted on the left side of the cabinet.
5. Fence formed by a frame constructed of square aluminium profiles of 51 x 51mm (2 X 2in), with hot-galvanised steel wire latticework.
6. Barrier arm rotating shaft mounted on twin ball bearings.
7. Barrier arm balancing achieved by means of integrated adjustable extension springs.
8. Electromechanical unit includes:
 - 3-phase instant-reversing 1 HP motor, with life-lubricated speed reduction gearbox, with worm screw type mechanism.
 - Crankshaft/rod device with steel abutments ensuring smooth, flexible movements, and progressive deceleration at the end of the movements.
 - Safety torque limiter with adjustable friction disks.
 - Limit switches activated by adjustable cams.
 - Transmission between motor and gearbox, by V-belt and pulleys.
9. Integrated strip heater for low temperatures.
10. Emergency crank with safety circuit breaker for manual operation of the barrier in the event of a power failure.
11. Tip support: Electromagnetically locking tip support:
12. AS 1320 Controller including:
 - Many adjustable parameters to control the barrier.
 - 2-line LCD screen to adjust or change parameters.
 - Built-in overload protection.
 - Up to 4 vehicle detectors.
 - Log of events.
 - Input and output contacts.
 - Test switches for opening and closing.

*Specifications subject to change without prior notice.
Specifications and dimensions on reverse side.*

MODEL BLG76 BARRIER FENCE
OPERATOR

TECHNICAL DATA
ASA-1035-EN Oct. 1, 2008

 **automatic**
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ANTI-CORROSION PROTECTION

Internal mechanical parts

Protected by yellow electro zinc.

Cabinet housing

Housing finish is with an anti-corrosion treatment to ensure resistance to the most severe environmental conditions.

PAINT WORK

Anti-corrosion paint

(1) Coat of primer paint, (2) components epoxy.

Finish coat

(1) Coat of (2) components polyurethane paint.

Standard colour: Orange (RAL 2000).

Fencing

(1) Coat of (2) components polyurethane white paint for the arm.
Galvanized steel wire mesh.

TECHNICAL CHARACTERISTICS:

- Barrier arm length: The maximum length of the barrier arm and fence is 5m (16'5").
- Opening time: 5 to 8 seconds, depending on length and weight of the barrier arm and barrier arm options.
- Localization of the barrier arm: Left-hand or Right-hand.
- Electromechanically locking tip support. (See Tip Support data sheet).
- Motor: 1 HP Three phases.
- Power supply: 208V AC 3 phases with neutral (to do 120VAC).
- Frequency: 60 Hz.
- Heavy-duty HD Clutch.
- Strip heater to warm the gearbox 125 W.
- Power Consumption:
 - Stand-by = 175 W (Heater: 125W).
 - In operation = 1375 W (including the 175W).
- Gearbox type: Type VF110/A; reduction ratio: 100:1.
- Net weight: 430 Kg (950 Lbs) with barrier arm.
- Operation temperatures: -25°C to +70°C (-13°F to +158°F).
- Mechanical endurance (MCBF) (Normal maintenance required):
 - 500 000 cycles at a rate of 42 complete cycles/hrs max with 208V or 600V, three phase motor.

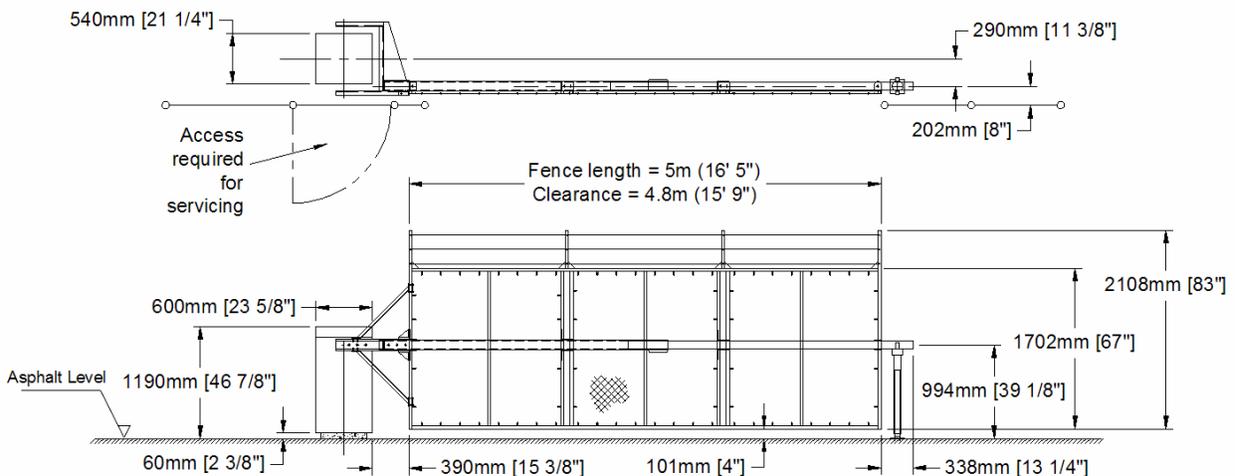
OPTIONS

- Fence with safety pressure switch. (Mounted on lead bottom edge).
- Motor, 3/4 Hp, with power supply 120V AC single phase. (MCBF: 200 000 cycles at a rate of 30 complete cycles/hrs max. Normal maintenance required.)
- Motor, 1 Hp, with power supply 600V AC three phases.
- Barrier arm lighting. (Available depending of arm length).
- Barrier arm signage. (Please consult ASA).
- Cabinet colours other than the standard orange.
- Recessed installation template (steel base frame), which is provided for attaching the barrier to the ground using expansion bolts or threaded rods.
- Additional heater for extreme cold.

Note: Adding optional attachments to the Barrier arm increases weight, therefore decreasing the maximum available Barrier arm length.

CONTROLLER OPTIONS

- Operated via a 3 push button box (open-stop-close), or automatic closing with a loop detector.
- Actuation devices, such as push buttons, card readers, vehicle presence detectors + detection loops, etc., for opening or closing of gate.
- Controller and detector allowing many settings of the detecting loops, such as:
 - Arming
 - Reset, safety closing
 - Automatic opening



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