

LBA 86

THE ESSENTIAL ANTI-VANDALISM BARRIER FOR SENSITIVE SITES BOOM BARRIER WITH REINFORCED ARM UP TO 8 M



Variable speed,
adjustable from
2 to 9 seconds

Continuous and
intensive operation,
10,000 cycles/day

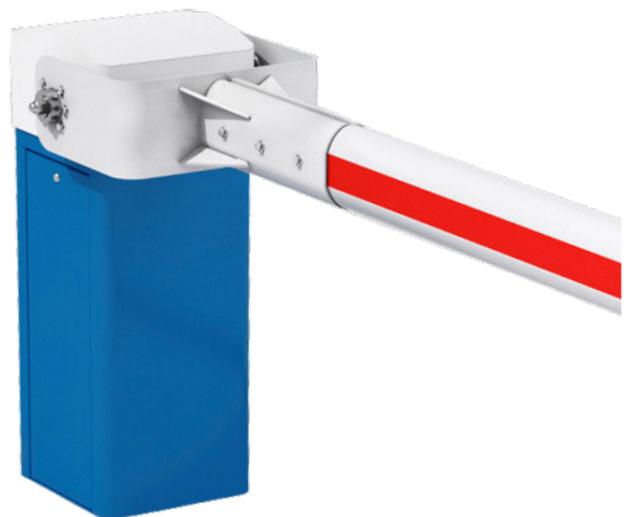
Fail safe open in the
event of a power
failure (optional)

Enhanced anti-vandalism
pack

**Reinforced anti
intrusion boom**

STANDARD CHARACTERISTICS

- **Speed:** Variable from 2 seconds
- **Continuous and intensive operation:** 10,000 cycles/day
- **Boom:** 135x93 mm oval reinforced high strength aluminium up to 8 m (High security 180x118mm arm option)
- **Geared motor:** Three-phase / 230 V single-phase power supply
- **Spring:** Compression counterbalance spring
- **Housing:** Cathaphoresis treated steel sheet with a Ronis 405 lock + Standard RAL 5015
- **Top cover:** 2 mm thick aluminium sheet with RAL 9010 paint
- **Boom support:** Reinforced axial clamping system
- **ONE-C control board comprising:** Power supply, PLC, frequency converter, SD card, RJ45 (Modbus) and torque limiter
- **ONE-SENSE sensor:** Automatic motor management and control

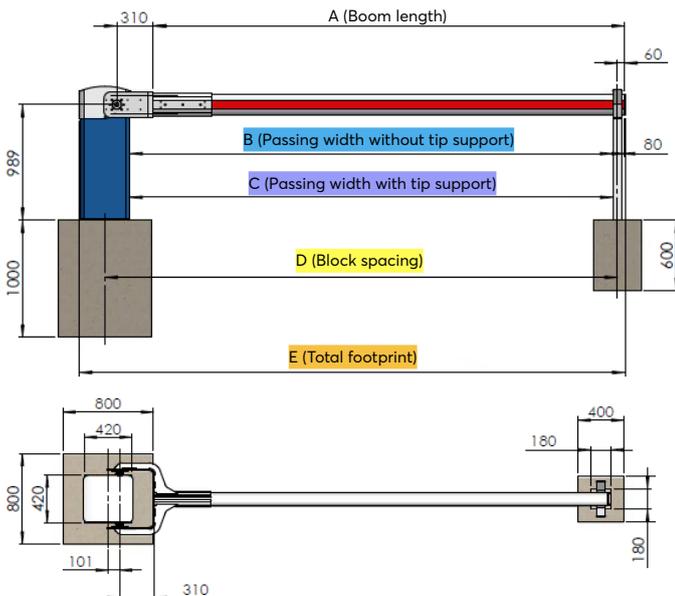


TECHNICAL SPECIFICATION

Power supply	230 V
Consumption	0.55 kW three-phase motor 0.25 For reversible
Geared motor	Irreversible or reversible reduction gear (optional)
Counterbalance	Compression spring Lever arm and swing strut (optional)
Boom	180x118 mm oval white lacquered reinforced aluminium or 135x93 mm aluminium
Half shell	Galvanised steel RAL 9010
Operating time	From 2 sec (variable depending on options)
MCBF (number of cycles)	≥ 5 million
MTBF (hours)	≥ 15,000
MTTR (mean time to repair)	Less than 30 minutes
Maximum boom length	8 m
Emergency operation	- 11 turns of the handle and anti-restart system - Fail safe open in the event of a power Failure (optional)
Temperature control	Anti-condensation heating
Paint	250 ° polyester powder coating
Overall dimensions (LxDxH)	800 x 800 x 1,000 mm
Operating temperature	-30 ° to +55 °C
IP rating	54

Boom length (m)	Passing width (m)	Weight (kg)	Tip supports
3.00		183	No
4.00		185	No
5.00		187	Yes
6.00		190	Yes
7.00		192	Yes
8.00		195	Yes

INSTALLATION



Boom length A in mm	Passing width without tip support B in mm	Passing width with tip support C in mm	Block spacing D in mm	Total footprint E in mm	Open barrier height H in mm
A	A = B - 200	A = C - 100	A = D - 350	A = E - 630	A = H - 1,300

OPTIONS

Customisation

- 180x118 mm articulated oval aluminium boom up to 5m
- 135x93 mm articulated oval aluminium boom up to 4.5m
- Full height skirt
- Articulated low skirt
- Polyester paint with a choice of colours (RAL to be defined)
- Galvanised body
- LBA Connect: Geolocation and equipment control

Audible & visual signals

- Led light strip on top cover
- Dynamic LED strip on arm
- Red/Green traffic light on a post integrated into casework
- Standardised signs

Safety

- Infrared barrier
- Simple and double-direction virtual loops
- Retro-reflective photoelectric cell
- Magnetic loop detector
- Ultrasonic detector
- Anti-vandalism pack: banding + bolt cover + protection for fittings
- Internal anti-Fraud lock (reversible)
- Stainless steel anti-impact rotary system
- Gate pivoted reporting
- 80x80 mm tube adjustable arm rest
- Adjustable arm rest with magnetic plunger + ejector
- Adjustable arm rest with electromagnetic lock
- Adjustable anti-vandalism arm rest with or without plunger
- Reinforced arm rest with anti-vehicle/ram strut

Power supply:

- ø63 mm janolene
- U-1000 RO 2V 3 x 2.5 mm² cable

Remote control:

- ø40 mm green janolene
- 5 pair 9/10 core telephone cable

Arm rest connection:

- ø30 mm tube
- Infrared cell, magnetic plunger, etc.

Magnetic loop cable:

- ø30 mm tube
- Twisted pair loop cable

Sealing template + 4 mounting rods

- The template remains level in situ and must rest entirely on solid concrete
- Arm rest base plate

