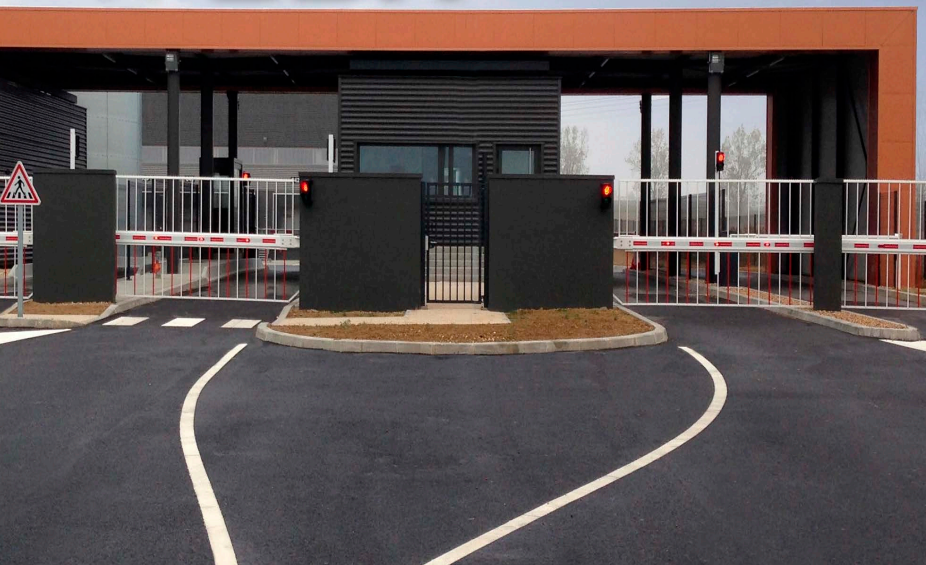


» LBA



LBA 86 HP

The LBA 86 HP rising barrier is a **high-resistance** safety barrier with a reinforced aluminium rail and a high-protection grille. Secures sensitive public sites and car parks.

Length from 2 to 4,5 m.

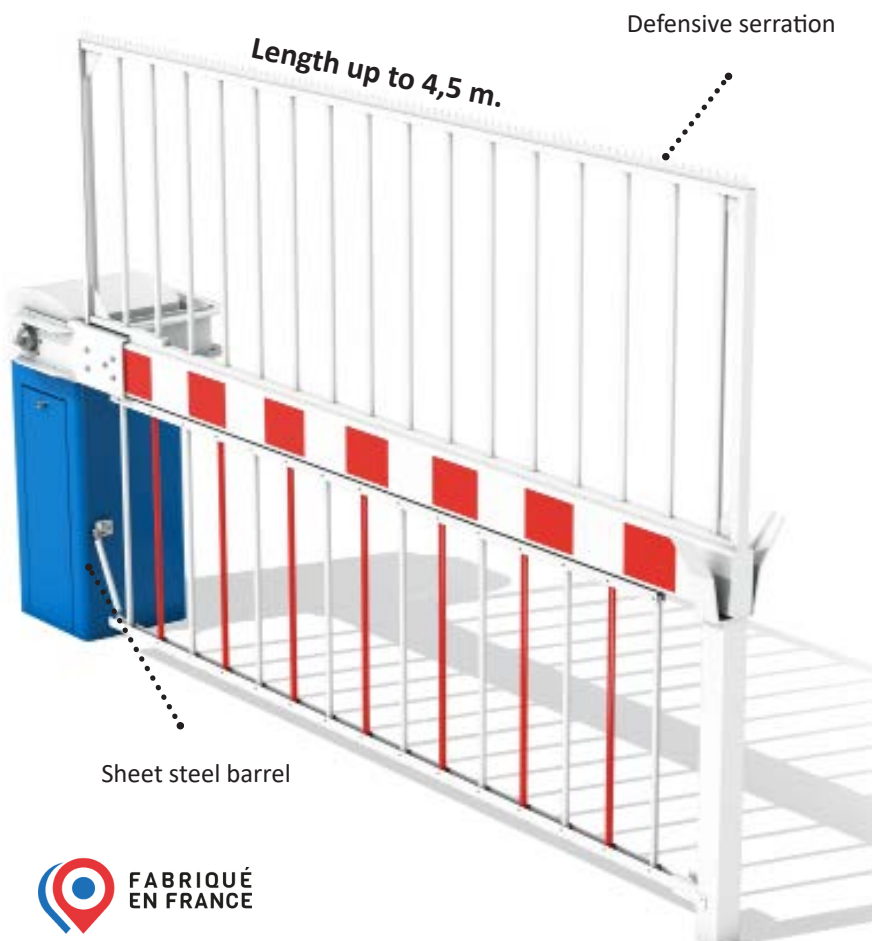
THE AUTOMATIC BARRIER

ULTRA-ROBUST & HIGH-PERFORMANCE REINFORCED ALUMINIUM RAIL



INTENSIVE OPERATION

5 000 cycles/day



Defensive serration

Length up to 4,5 m.

Sheet steel barrel



INTENSIVE SERVICE CONTINUOUS



HIGH RESISTANCE

Reinforced aluminium rail, rectangular rectangular profile. Rigid aluminium grille



ENHANCED PROTECTION

High and low grilles. Highly dissuasive, anti-vandalism and anti-intrusion barrier.



CONNECTED

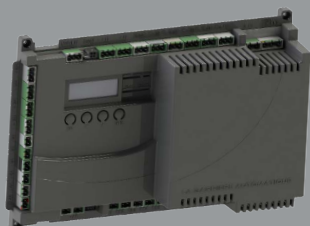
Includes One-C technology for easy commissioning and configuration. LBA connect option for managing and viewing your entire fleet.

LBA 86HP



INCLUDING EQUIPMENT

CARTE ONE-C®, AN INTEGRATED CARD FOR SCALABLE BARRIERS



- ✓ **ALL-IN-1 CARD:** a single interface for installation and maintenance.
- ✓ **Web server:** can be controlled remotely, allowing all barrier parameters to be managed.
- ✓ **Simplicity:** PLC certified PL-d category 2 to EN ISO 13849-1
- ✓ **User interface:** with display and LEDs

ONE-SENSE LATEST GENERATION

- ✓ **Reliability and longevity**
- ✓ **Automatic reopening**
- ✓ **Shock detection**
- ✓ **Smooth movement**



MAIN FEATURES

- High-strength reinforced aluminium axial oval rail 175x75 mm from 2 to 4,5 m
- Reinforced rests with anti-ram strut
- Integrated ONE-C® control board with parameter-setting screen and remote control facility
- Continuous intensive operation (10,000 cycles/day)
- Variable speed, adjustable from 2.1 seconds
- Three-phase geared motor, 230v single-phase power supply
- Compression compensation spring
- Anti-condensation heating
- Arm support by reinforced axial bracket

TECHNICAL DATA

- Barrel: 3 mm thick cataphoresis-treated sheet steel, with Ronis 405 lock
- Barrel: standard RAL 5015
- Cover: in 2mm aluminium sheet painted to RAL 9010
- Axial rail with red reflector strip
- **ONE-SENSE** sensor for boom adjustment
- **Controlled by an integrated ONE-C control board:**
 - Multiple configurations possible depending on the site
 - Wired or network cable control; several communication protocols (Modbus TCP/IP, RS485)
 - Remote configuration and control via web server
 - Updates via SD card
 - Fast connectors
 - Variable-frequency motor control with acceleration/deceleration ramps and adjustable opening and closing speeds



LBA 86HP

OPTIONAL EQUIPMENT

Audible and visual signalling

- Illuminated bonnet with LED lights
- Illuminated strip with LED lights
- Red/Green crossing light mounted on a post integrated into the shaft
- Beam with integrated LED strip
- Standard signage

Security

- Infrared barrier
- Retro-reflective sensor
- Presence detector on magnetic loop
- Ultrasonic detector
- Anti-vandalism pack: strapping + bolt cover + accessory protection
- Vandal-proof internal lock
- Stainless steel anti-shock rotation device
- FDC information transmission pivoting barrier
- Adjustable rest in 80x80 mm tube
- Adjustable rest with magnetic suction pad + ejector
- Adjustable sealable rest with electromechanical lock
- Vandal-resistant adjustable rest with or without suction pad
- Automatic lift on power failure

Customisation

- Polyester paint in a choice of colours (RAL to be defined)
- Local control equipment: fireman's box, button box, etc.
- Automatic lift on power failure
- Manual rotation device
- Motorised rotation device (facilitating maintenance)
- Solar power supply
- Pre-equipment for camera to read plate
- Anti-corrosion galvanised or stainless steel drum
- **LBA Connect:** Geolocation and equipment control

TECHNICAL DATA

Power supply	230 V
Consumption	0.25 kW three-phase motor.
Geared motor	Vandal-proof irreversible gearbox or reversible (optional)
Compensator	Compression spring + Lever arm and swing stanchion
Smooth	Axial oval rail 175x75 mm
Half shell	Galvanised steel 8 mm RAL 9010
Operating time	From 2.1 to 7.5 sec
MCBF (number of cycles)	≥ 5 million
MTBF (hours)	≥ 15000
Max. boom length	4,5 m
Emergency manoeuvre	- 11 turns of the crank and anti-start device - Automatic lift in the event of a power cut (optional)
Temperature control	Anti-condensation heating
Paint	Polyester powder baked at 250° C
Solid dimensions (WxDxH)	800 x 800 x 1000 mm
Operating temperature	-30° +55° C
IP	54



LBA CONNECT MANAGE
ALL YOUR EQUIPMENT ON
ONE APPLICATION



LBA 86HP

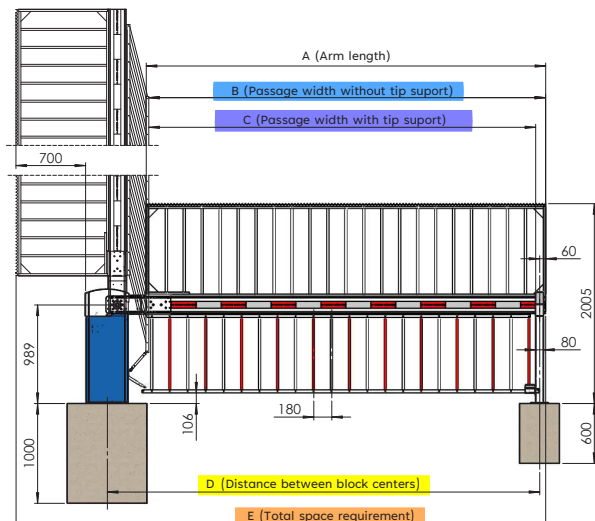
INSTALLATION

PVC foam embedding template
+ 4 anchoring rods (ø 16 x 250 mm + 8 bolts)

- The template remains level and must rest entirely on the concrete base. Distance between anchoring rods 220 x 220 mm.
- Resting base

TO BE BORNE BY THE INSTALLER

- Concrete base with embedding template and 4 rods ø 16 mm (optional).
- Power supply: 230 V P+N+T, 250 W protected by 1 earth leakage switch 30 mA
- Sheaths for access control and magnetic loop power cables.
- Link with rest, TPC sheath for infrared cell link, magnetic suction cup.
- Sheath for magnetic loop tail



Arm length A en mm	Passage width without tip support B in mm	Passage width with tip support C in mm	Distance between block centers D in mm	Total space requirement E in mm	Open barrier height H in mm
A	A = B + 15	A = C + 95	A = D - 270	A = E - 1300	A = H - 1280
Examples for common arm lengths					
3000	2985	2905	3270	4300	4280
3500	3485	3405	3770	4800	4780
4000	3985	3905	4270	5300	5280
4500*	4485	4405	4770	5800	5780

*Operating limits with tip support without option



