



3 to 6 m

LBA 86

PUBLIC AND RESIDENTIAL
INDUSTRIAL
REINFORCED PROTECTION

HIGH RESISTANCE ALUMINIUM STRAIGHT ARM
From 3 to 6 m – 180x118 mm

- 10 000 cycles / day
- Variable speed, programmable from 2 to 9 sec.
 - Three-phase motor, power supply 230 V
- Adjustable rate of acceleration and braking
 - “Anti-shock” rotation feature
 - High resistance to shocks
 - Protected with cataphoresis



Specifications Technical features

Housing and maintenance door:	Steel sheet 3 mm protected with cataphoresis, blue paint RAL 5015, door equipped with a Ronis 405 lock.
Top over:	2 mm aluminium sheet with phosphate coating, with RAL 9010 paint.
Paint:	Polyester powder baked at 250°, housing RAL 5015, top cover RAL 9010.
Arm from 3 to 6:	Reinforced aluminium arm 180x118 mm, lacquered white + red reflecting bands.
Counterbalance:	Compression spring + bar, chain and sprocket (replaces the counterweight).
Emergency operation:	Manual operation by 11 turns of the handle and an anti-restarting lock.
Geared motor:	Three-phase 0,55 kw - 230V (Δ) with brake motor driven by a frequency converter Double wheel converter and worm screw, lubricated for life

Arm m	Oval mm	Drive KW	Voltage A/230V	Operation time
				mini/maxi
From 3 to 4 m	180x118	0,55	2,9	2,0 / 4,0
From 4 to 5 m	180x118	0,55	2,9	4,0 / 8,0
From 5 to 6 m	180x118	0,55	2,9	6,0 / 9,0

Standard equipment: Housing with geared motor, counterbalance and a half shell of arm support. Isolating switch, frequency converter, control unit or PLC. Inductive sensors without contact for the arm adjustments. Anti-condensation heating 230 V – 32 W. A set of keys for the maintenance door. Installation, connection, implementation and maintenance manuals. Reinforced aluminium arm 180x118 + reflecting bands class 1.

Optional equipment: Aluminium housing - Arm 135x93 mm - Safety magnetic loop free exit - infrared cell – adapted logics – signage, in absence of U, automatic lifting arm < 4,5 m, articulated arm (with arm 175x75mm), etc...

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LBA 86

LBA 86 high resistance arm 180 x 1185 mm

Type	Maximum passing width	Arm Length	Total weight	Fixed support post or moving support is compulsory
LBA 86 - 00	-	-	175 kg	-
LBA 86 ≥ 300	3,00 m	3,00 m	187 kg	no
LBA 86 > 400	4,00 m	4,00 m	191 kg	yes
LBA 86 > 500	5,00 m	5,00 m	195 kg	yes
LBA 86 > 600	6,00 m	6,00 m	199 kg	yes

Optional equipment:

PVC sealed template frame + 4 bars 16X250 mm + 8 bolts.
 Rotative sealed template frame + 4 bars ø 16x250 mm + stainless steel disc + rotation kit.
 Fixed support post tube of 80x80x1200 mm.
 Fixed support post with 230 kg magnetic suction + ejector.
 Adjustable moving support from 800 to 1000 mm + spring with shock absorber.
 Lower rigid skirt ø 14 mm of 3 to 6 m on stainless steel screws and junction (P3 Nylon).
 Rigid skirt on the top and folding skirt on the bottom part of the boom.
 Articulated top and bottom grid type « GTH » (with arm 175x75 mm).
 Polyester paint of special color (RAL to be defined).
 Signage with standard models.
 Motion detector on a magnetic loop, infrared cell etc.
 Local control equipment : fire brigade access control, push button box, etc.
 Specific controls : tunnels, highways, SAS, etc.
 Access control : card readers, number code keyboard, etc.
 Solar supply possible, please contact us for further information.
 Internal locking.
 Anti-vandal pack.
 Anti-vandal support post.
 Electromechanical locking in the support post.

MCBF : 3 000 000 of cycles

(Mean cycles before failure)

MTBF : 15 000 h

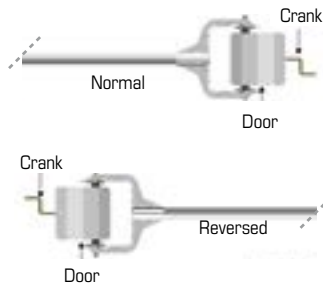
(mean time between failures)

MTTR : 60 mn.

(Mean Time To Repair)

Protection : IP 54

(Indication of protection)



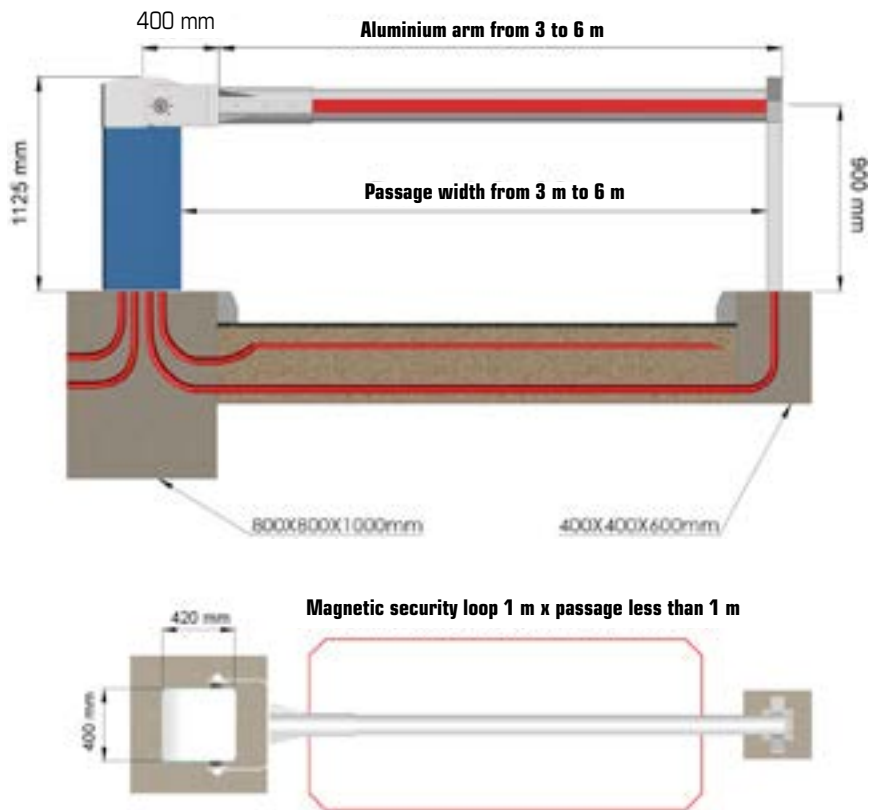
INSTALLATION

Conducts and cables:

- Power supply:**
 - Tube Ø 63 mm.
 - U 1000 RO 2V 3x2.5 mm²
- Remote control:**
 - Green tube Ø 40 mm.
 - 5 pairs 9/10 telephone cable.
- Link with support:**
 - Tube Ø 30 mm.
 - Infrared cell, suction magnetic, etc.
- Magnetic loop tail:**
 - Tube Ø 30 mm.
 - Cabled loop tail.
- Sealing template frame:**
 - 10 mm PVC base frame.
 - 4 anchoring bars Ø 16X250 mm.



The template has to be levelled and must completely rest on the concrete foundation. Distance between each embedded shaft : 220X220 mm.



WORK TO BE CONDUCTED BY THE INSTALLER :

- Concrete foundation with sealing template frame and 4 shafts Ø16 mm (optional).
- Casing for power cables, remote control and magnetic loop.
- Electric power: U 1000 RO 2V cable: 3x2.5 mm², single-phase 230 V.
- Remote control : 5 pairs 9/10 telephone cable.