



LA BARRIÈRE AUTOMATIQUE

F A B R I C A N T



## THE NEW HIGHWAY REFERENCE

Reliable – Innovative – Economic -Ecological

- Arm front unhinging “ANTI-KICKBACK” and “ANTI-IMPACT”
  - Automatic and controlled hinging arm
  - 100% carbon arm up to 3,50 m
- Substitution of the arm in less than 1 mn, without tools
  - Maintenance time unequaled
  - Environmental respect
  - Feedback in IP dialog



| Specifications                        | Technical feature  |
|---------------------------------------|--|
| <b>Housing and maintenance door :</b> | Sheet metal DKP, thickness 2 mm, protected with cataphoresis   |
| <b>Cover :</b>                        | Sheet metal DKP, thickness 2 mm, protected with cataphoresis.  |
| <b>Paint :</b>                        | Polyester powder baked at 250°, housing and door RAL 5015, cover RAL 9010.   |
| <b>Arm :</b>                          | 3.2 m long carbon arm, with anti-impact foam and protection sock Ø 85 mm.  |
| <b>Gearmotor :</b>                    | Three-phase gearmotor 230 V, 0,25 KW reversible.   |
| <b>Compensator :</b>                  | Compression compensator spring of 200 kg.  |
| <b>Standard Equipment :</b>           | Barrier housing with gearmotor, compensator and arm clip.<br>Frequency variator powered by 230V mono-phase, in 0.25 KW driving the acceleration and deceleration ramps, enabling to regulate the opening and closing speeds.<br>Logic control PLC enabling the inductive sensors operations.<br>Inductive sensor without contact for the barrier operation.<br>Automatic lift arm in case of power failure or vehicle impact.<br>Information report on terminal : <ul style="list-style-type: none"><li>• Open barrier • Close barrier • Unhinging arm • Others on request</li></ul>   |
| <b>Optional equipment :</b>           | Front unhinging enabling to avoid the impacts against toll highway equipments ( ex : toll post, gauge height ... )<br>Automatic hinging available with a front unhinging allowing the arm replacement without intervention<br>Substitution of the arm in less than 1 minute, without tools<br>PLC module with IP connection to give feedback information on computer network.<br>3,2 m long carbon arm with anti-impact foam and protection sock Ø 85 mm<br>Aluminium arm with or without foam, 4,00 m long, equipped with reflecting bands<br>Housing, door and cover in specific color<br>Housing support for crossing light fixation, and integrated warning<br>Red / Green crossing light Ø 200 mm 230 V<br>Siren 24V, 90 dB<br>Presence detector on magnetic loop, infrared cell, ultrasonic sensor.<br>Sealing PVC caliber + 4 fixation rods + 8 bolts<br>Road sign “No pedestrians”<br>Other... |

**Reliable, innovative, economic and ecological** are the words used by most highway companies to qualify the LBA 63 TOLL.

As a result of an analysis of needs and the hard work of our R&D team, LBA 63 TOLL is revolutionizing the world of toll barrier highways :

**Reliable :** The main equipments come from world-famous manufacturers.

**Innovative :** its patented front unhinging and automatically hinging systems are much more effective and less dangerous for the user than all products on the market.

**Economic :** Due to its simple design, its unparalleled maintenance time, the LBA 63 has the lowest operation cost of the market.

**Ecological :** its front unhinging removes the impact of the arms on the equipments located nearby. Thanks to its reliable automatic unhinging / hinging, the number of human maintenance to the toll booths is nearly eliminated

## TECHNICAL FEATURES

**MCBF :** 5 000 000 of cycles

(Number of average cycle without failure)

**MTBF :** 15 000 h

(Average function time without failure)

**MTRR :** 15 mn.

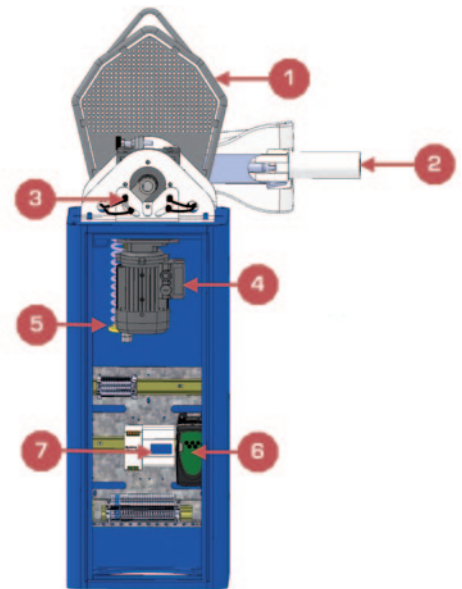
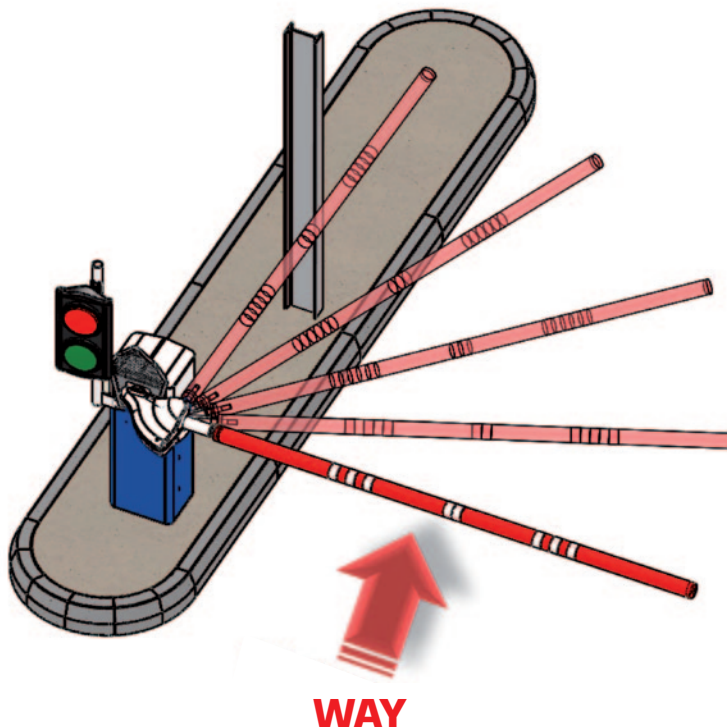
(Average repairing time)

**Protection :** IP 54

(Indication of protection)

- Replacement arm : less than 1 mn
- Operating speed : 0,5 to 1,2 seconds
- Weight : 60 kg
- Operating temperature : - 30 to + 60° C

**Equipment protected with an unhinging anti-impact device**  
**Front rotation axis with integrated unhinging and hinging.**



- 1 Hinging cam
- 2 Front unhinging device with schock
- 3 End of stroke position without contact and guaranteed without wear and tear
- 4 Reversible gear motor group granting a free maintenance
- 5 Compensation spring working in compression ensures a large number of cycles and a complete reopening of undervoltage
- 6 Frequency variator
- 7 PLC providing a possible evolution of operation