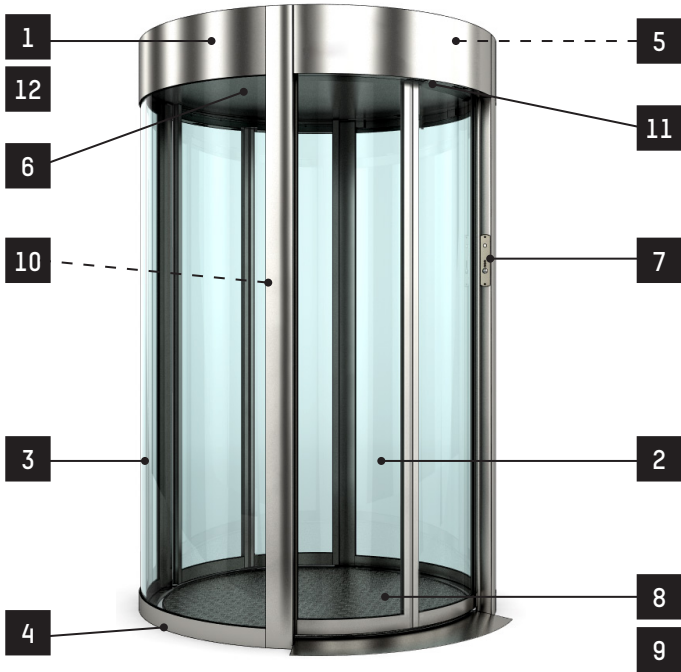AUTOMATIC SYSTEMS

CL 637

CL 638

The **ClearLock 63x** series, automatic round security booths are designed to provide high security access control.

The **ClearLock 637 - 637T and 638** are motorised and bi-directional. It is answering to the market demand in term of unicity of detection, bullet resistance and burglary or vandalism resistance.

Consisting of a frame, a painted steel housing and glass panels, the high-security **ClearLock** series booths provide thermal insulation and stand out in their surroundings.

The security booth provide a free passage of **900 mm** (**ClearLock 637 - 637T**) and **850 mm (for ClearLock 638)** and an external diameter of **1500 mm**.

The **ClearLock 637T** has an **external height of 2575 mm**, making it possible to integrate "Single person" detection by an **ABACO volumetric camera**, eliminating the need for a floor.

AVAILABLE VERSIONS:

- ClearLock 637 - 637T: one door at the Entry and one door at the Exit

- ClearLock 638: 2 doors at the Entry and 2 doors at the Exit

DESCRIPTION

1. Painted steel **upper casing** containing the drive mechanism and the control board unit of the security booth.

2. **Mobile obstacles** in laminated glass BR2S P6B. Each door panel is equipped with a protection ensuring the safety of users.

3. **Lateral panels** made of painted steel and laminated clear glass BR2S P6B.

4. **Metal floor** of 25 mm thick for installation on a finished floor.

5. Control board unit & motorisation comprising:
   - Programmable electronic board;
   - I/O interface board for access control system;
   - Remote console for operating mode adjustment;
   - Voice messages device;
   - Two back-up batteries ensuring 100 cycles (300 cycles for 637T) in case of power failure;
   - Electro-mechanical lock of the obstacles (with programmable unlocking in case of power failure);
   - Safety cells for reopening in case a presence is detected in front of the obstacles (anti-pinch safety).

6. **Spotlights** for the passageway lighting.

7. **Status light:** LED displays indicating the status of the security booth. And also push button, intercom and/or access badge reader, according to the need.

8. **Bubble rubber base floor.**

9. For version **637** and **638**:

   "Single person" detection by floor weight detection system (2 directions).

   For version **637T**:

   "Single person" detection by ABACO volumetric camera (2 directions).

10. **Emergency opening button** and **call bell.**

11. **Lock** for external door locking.

12. **Removable inner roof** (by screw) (optional) when access from the top of the roof box is not possible for maintenance.

STANDARD TECHNICAL CHARACTERISTICS

Power supply	230 V single phase, 50/60 Hz, 10 A + ground		
Consumption	200W		
Battery backup	2 batteries 2 Ah to allow operation in case of power failure.		
Motors	2 motors 24Vdc for reversible movement of the doors, with closing safety lock. Opening of both the doors in case of emergency.		
Passages	- 6 passages/minute in one direction - 8/9 passages/minute in both directions (such data do not consider the possible working times due to utilization of card/badge readers)		
	CL 637	**CL 637T**	**CL 638**
Overall dimensions:	Height: 2350 Diameter: 1500	Height: 2575 Diameter: 1500	Height: 2350 Diameter: 1500
Clearance dimensions:	Height: 2074 Width: 900	Height: 2300 Width: 900	Height: 2075 Width: 850
Weight	+/- 1000 kg	+/- 1125 kg	+/- 1006 kg
Relative ambient humidity	85%, without condensation		
Ambient operating temperature	- 10° C / 55° C		
MCBF (Mean cycles between failures)	**1,000,000** cycles, in compliance with recommended maintenance		
MTTR (Mean time to repair)	2 hours		
CE	Complies with European standards		

OPTIONS

○ = standard   ● = option

	CL637	CL637T	CL638
SPECIFIC OPTIONS			
Bubble rubber base floor.	●	●	●
Product structure in FB4 certified metal (EN1522).	●	●	●
Force entry resistance RC3 (EN1627) with mobile & lateral BR2S (EN1063) P6B (EN356) glass doors included.	●	●	
Force entry resistance RC4 (EN1627) with mobile & lateral BR3S (EN1063) P6B (EN356) glass doors included.	●	●	
IP33 rain protection compatible with weight detection system (50mm higher booth). [1]	●	●	●
IP33 rain protection compatible with volumetric detection (50mm higher booth). [2]		●	
Metal detector & left object control (entry way only). [3]	●		●
Mechanical emergency opening system of both external and internal doors.	●	●	●
Interior roof removable (by screw) retained by a safety chain, for maintenance. [4]	●	●	●
Heating of the canopy for outside front installation in extra cool climates (-30°C up to +50°C).	●	●	●
Dismountable booth (instead of welded). Delivered assembled.	●		●
Dismountable booth (instead of welded). Shipment in parts.	●	○	●
White opaque glass.	●	●	●
GENERAL OPTIONS			
Break-in detection on the cover plate of the roof (microswitch contact).	●	●	●
Medium structured satin paint in : other RAL colours than RAL7035, RAL9011, RAL8019, RAL9010.	●	●	●
Flush mat powder coating in : any RAL colour.	●	●	●
Brushed AISI 304 stainless steel finishing - big doors.	●	●	●
Profile for wall connection (per side : entry, exit or middle position).	●	●	●
Frame for floor built-in installation (25mm).	●	●	●
Special support for installation on technical floor (Hmin100mm/Hmax400mm).	●	●	●
Support on the post inside the booth for reader installation inside the booth.	●	●	●
Support for readers (width > 85mm) fixed on the external (entrance) side or fixed on the internal (exit) side of the booth metal structure.	●	●	●
Integration of any non-standard intercom or emergency button into the product (specific information of the device and desired position to be provided for customization).	●	●	●
Mechanical locker for metal objects with 10 drawers.	●	●	●
Radar for automatic door opening (entry or exit way).	●	●	●
Colour video micro-camera inside of the booth (to be connected to a screen not supplied).	●	●	●
Auxiliary control console (in connection with the standard control console).	●	●	●
Delivery without any control console.	●	●	●
2 back-up batteries 12V 7Ah (300 opening cycles).	●	○	●
Converter RS485 to LAN for booth networking.	●	●	●
Service kit (Iuppiter software + several cables). [5]	●	●	●
Top canopy with a different height, to close the space between the booth top and the ceiling (up to 500mm).	●	●	●
Virtual Console for remote monitoring (software installed on a Linux server - server integrated or server touch).	●	●	●
Virtual Console for remote monitoring (software installed on a PC Panel PSE 3215 21,5" - B8 module : CPU Celeron Apollo Lake J3455).	●	●	●

[1] The IP33 protection includes on the unsecured side of the booth : tight weight detection, tight user command plate + half-roof canopy.

[2] The IP33 protection includes on the unsecured side of the booth : tight user command plate + half-roof canopy.

[3] This metal detection option is not compatible with the RC4 glass doors option.

[4] It is recommended to order this option when the access from the top of the roof box is not possible for maintenance (min 500mm required for ergonomic work).

[5] This kit is to be ordered once per installation site.

Note: For restrictions on options, please contact us.

CONFIGURATIONS

1. RAL7035 Light Grey (by default) - RAL9011 Black - RAL9010 White - RAL8019 dark brown.
2. Profile position for wall connection:
   - entry / outside side.
   - middle position (by default).
   - exit / inside.
3. In case of power failure :
   - By default: The exit door (secured side) remains locked. The entry door (unsecured side) opens automatically.
   - All doors remain locked.
4. Integration of card reader, intercom and/or push button at the entry and/or exit of the booth.
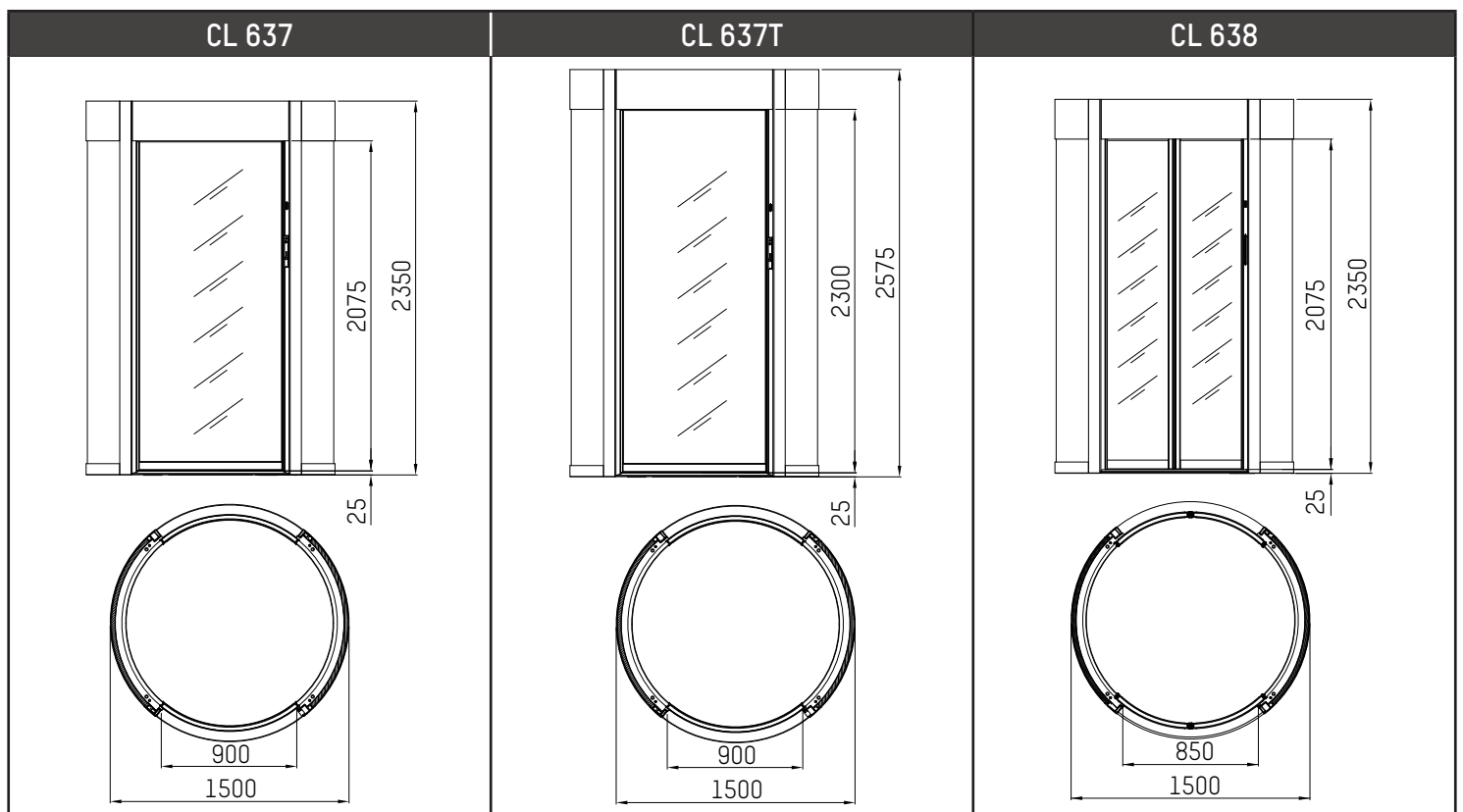5. Choice of the language of voice message and control consol.

SURFACE TREATMENT

All the mechanical parts are treated against corrosion by electro zinc, according to RoHS norms.

WORKS TO BE PROVIDED BY THE CUSTOMER

- Fixing on the floor.
- Power supply.
- Connection between booth and access control devise.

Note: Follow the installation plan.

STANDARD DIMENSIONS (MM)

CL 637	CL 637T	CL 638

CL 637: 2075 / 2350 / 25 / 900 / 1500

CL 637T: 2300 / 2575 / 25 / 900 / 1500

CL 638: 2075 / 2350 / 25 / 850 / 1500