AUTOMATIC SYSTEMS

↻**ClearLock**

ETHERNET IP

WARRANTY 2 YEAR

DESCRIPTION

1. **Cabin top** made of painted steel to hold the drive mechanism and the control board unit of the security booth. Metal cover plate on top of the booth, with break-in detection by a microswitch contact.

2. **Mobile obstacles** in clear laminated glass 7/8 in *(22 mm)* thick BR2 & P6B (Bullet & Vandalism Resistant). Each door panel is equipped with a rubber bumper and sensors to ensure the user's safety.

3. **Curved side walls** are made of painted steel and clear laminated glass 7/8 in *(22 mm)* thick BR2 P6B (Bullet & Vandalism Resistant).

4. **Steel base** for installation on a finished floor.

5. **Control board unit & motorization** comprised of:
   - Configurable motherboard;
   - I/O interface board for access control system;
   - Remote control console;
   - Voice messages available in multiple languages;
   - Two back-up batteries;
   - Electro-mechanical locking 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. **LED recessed ceiling lights (2 x)** providing interior lighting for the security booth.

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

8. **Rubber surface** with circular pattern applied to steel floor attaining 1 in *(25 mm)* thickness.

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

10. **Mechanical lock** for external door.

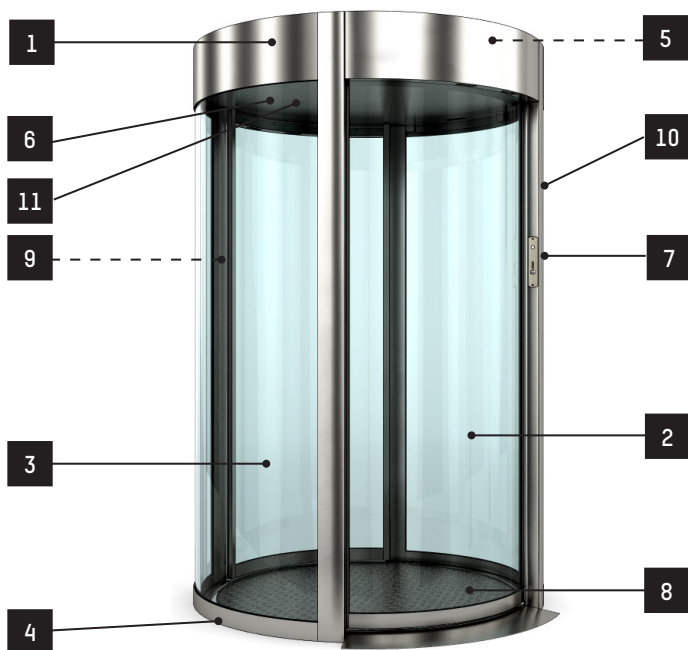11. **Removable inner ceiling panel** (by screws, optional) when access from the top of the cabin is not possible for maintenance.

The **ClearLock 637** Series of automatic round security booths is designed to provide high security access control.

Motorized and bi-directional, the **ClearLock 637** security booths are answering the market demand in terms of unicity of detection, bullet resistance and burglary or vandalism resistance.

Both the **ClearLock 637 and 637T** security booths provide a free passage width of **35 7/16 in** *(900 mm)* and an external diameter of **59 1/16 in** *(1500 mm)*.

The **ClearLock 637T** has an **external height of 101 3/8 in** *(2575 mm)*, making it possible to integrate «Single person» detection by an **ABACO volumetric camera** in the ceiling.

AVAILABLE VERSIONS:

- **ClearLock 637**: one door at the Entry and one door at the Exit, with unicity detection by a system located in the base (2 directions).

- **ClearLock 637T**: one door at the Entry and one door at the Exit, with unicity detection by a volumetric camera in the ceiling (2 directions).

STANDARD RAL COLORS
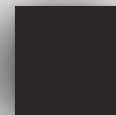
RAL 7035 Light grey
RAL 9011 Black
RAL 9010 White
RAL 8019 Dark brown

All other colors must be specified when ordering.

STANDARD TECHNICAL CHARACTERISTICS

Power supply	120 Vac single phase, 50/60 Hz, 10 A + ground	
Consumption	200 W	
Battery backup	CL 637: 2 batteries 12V 2 Ah to allow operation in case of power failure CL 637T: 2 batteries 12V 7 Ah to allow operation in case of power failure	
Motors	2 motors 24 Vdc for reversible movement of the doors, with closing safety lock. Opening of both doors in case of emergency.	
Passages	- 6 passages/minute in one direction - 8/9 passages/minute in both directions (does not consider the possible working times due to utilization of card/badge readers)	
	CL 637	**CL 637T**
Overall dimensions:	Height: 92 1/2 in *(2350 mm)* Diameter: 59 1/16 in *(1500 mm)*	Height: 101 3/8 in *(2575 mm)* Diameter: 59 1/16 in *(1500 mm)*
Clearance dimensions:	Height: 81 11/16 in *(2075 mm)* Width: 35 7/16 in *(900 mm)*	Height: 90 9/16 in *(2300 mm)* Width: 35 7/16 in *(900 mm)*
Weight	+/- 2200 lb *(1000 kg)*	+/- 2480 lb *(1125 kg)*
Relative ambient humidity	85%, without condensation	
Ambient operating temperature	14 °F to 131 °F *(- 10 °C to 55 °C)*	
MCBF (Mean cycles between failures)	**1,000,000** cycles, in compliance with recommended maintenance	
MTTR (Mean time to repair)	2 hours	
ⓈⓅ	CSA Product Approved under SPE-1000:21. [1]	

[1] Such evaluation does not constitute certification but is an accepted form of approval of electrical products by the authority having jurisdiction.

CONFIGURATIONS

1. RAL7035 Light Grey (by default) , - RAL9011 Black - RAL9010 White - RAL8019 Dark brown.
2. Profile position for wall connection:
    - middle position (by default).
    - entry / outside.
    - exit / inside.
3. In case of power failure :
    - The secure side door remains blocked and the unsecured side door unlocks for manual opening (by default).
    - All door can be opened manually (optional).
    - All doors remain locked (optional).
4. Integration of card reader, intercom and/or push button at the entry and/or exit of the booth.
5. Voice prompts and console text messages available in multiple languages.

SURFACE TREATMENT

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

WORKS TO BE PROVIDED BY OTHERS (NOT SUPPLIED)

- Floor anchors.
- Power supply.
- Connection between booth and access control device.

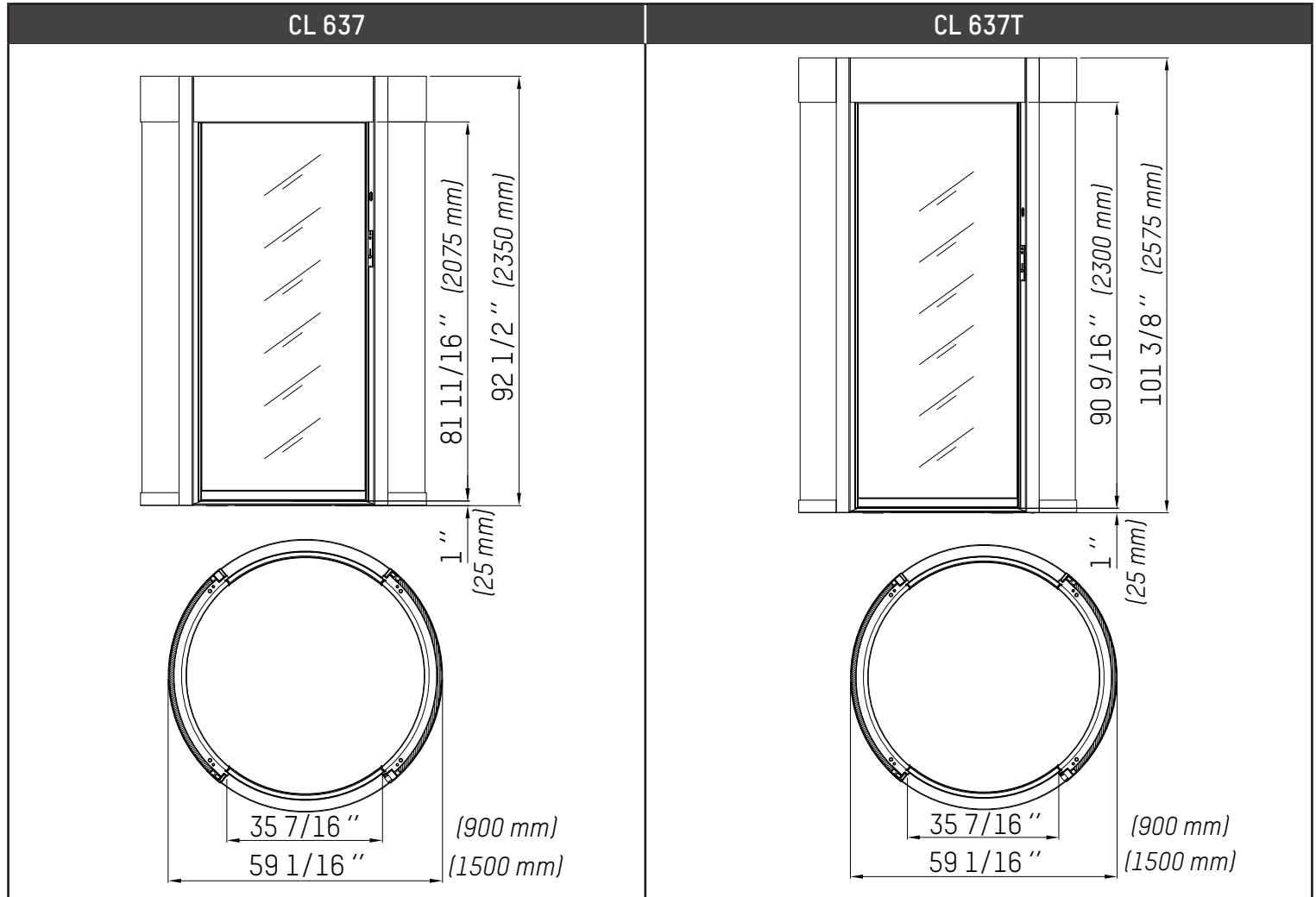**Note:** Follow the installation plan.

OPTIONS

○ = standard ● = option	CL637	CL637T
SPECIFIC OPTIONS		
Rubber surface with linear pattern applied to steel floor.	●	●
Product structure in FB4 certified metal (EN1522).	●	●
Forced entry resistance RC3 (EN1627) with mobile & lateral BR2 (EN1063) P6B (EN356) glass doors included.	●	●
Forced entry resistance RC4 (EN1627) with mobile & lateral BR3 (EN1063) P6B (EN356) glass doors included.	●	●
IP33 rain protection, compatible with unicity detection system in the base (2 in (*50 mm*) higher booth). [2]	●	
IP33 rain protection, compatible with unicity detection camera in the ceiling (2 in (*50 mm*) higher booth). [3]		●
Metal detector & left object control (entry way only). [4]	●	
Push buttons for emergency opening and intercom.	●	●
Mechanical Lock for external door locking.	●	●
Mechanical emergency opening system of both external and internal doors.	●	●
Removable inner ceiling panel (by screws) for maintenance. [5]	●	●
Heating of the canopy for outside front installation in extra cool climates (-22 to 122 °F (*-30°C to +50°C*)).	●	●
Dismountable booth, delivered assembled (standard = shipment in parts).	●	
Soldered booth, delivered assembled (standard = shipment in parts).	●	
White opaque glass.	●	●
GENERAL OPTIONS		
Medium structured satin paint in non-standard RAL color (other than RAL7035, RAL9011, RAL8019, RAL9010).	●	●
Flush mat powder coating in : any RAL color.	●	●
Brushed AISI 304 stainless steel finishing.	●	●
Profile for wall connection (per side : entry, exit or middle position).	●	●
Frame for floor built-in installation (1 in (*25 mm*)).	●	●
Special support for installation on technical floor (Hmin 4 in (100 mm)/Hmax 15 3/4 in (*400 mm*)).	●	●
Support on the post inside the booth for reader installation inside the booth.	●	●
Support for readers (width > 3 3/8 in (*85 mm*)) 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).	●	●
Radar for automatic door opening (entry or exit way).	●	●
Color 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 12 V 7 Ah (300 opening cycles).	●	○
Converter RS485 to LAN for booth networking.	●	●
Service kit (Iuppiter software + cables). [6]	●	●
Top canopy with a different height, to close the space between the booth top and the ceiling (up to 19 11/16 in (*500 mm*)).	●	●
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).	●	●

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

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

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

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

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

Note: For restrictions on options, please contact us.

STANDARD DIMENSIONS

CL 637	CL 637T

CL 637
- 81 11/16'' (2075 mm)
- 92 1/2'' (2350 mm)
- 1'' (25 mm)
- 35 7/16'' (900 mm)
- 59 1/16'' (1500 mm)

CL 637T
- 90 9/16'' (2300 mm)
- 101 3/8'' (2575 mm)
- 1'' (25 mm)
- 35 7/16'' (900 mm)
- 59 1/16'' (1500 mm)

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