



PRODUCTS

CABINS /
security/antiburglar/antiterrorism



TONALI
Security First

TOP 150 series

TOP 150 and TOP 150 Plus, the newly born in the «squares» family, are the smart and cheap solution for a secure access, backed by the traditional Tonali quality.

They are delivered as monoblock for an easy and quick site positioning.

Both the models are available with a straight (180°) or left/right angled (90°) passage:

- TOP 150: base 1050mm and glass up to 29/30mm
- TOP 150 Plus: base 1150mm and glass up to 29/30mm

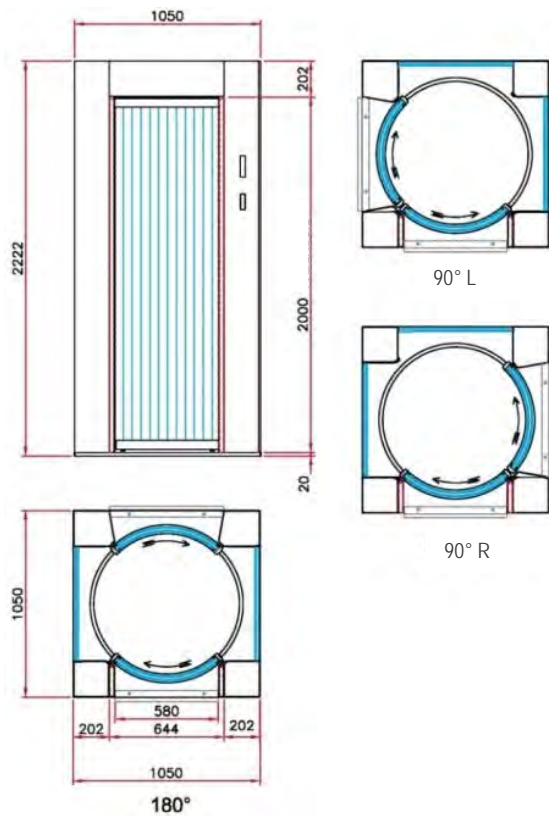


FEATURES AND OPTIONS

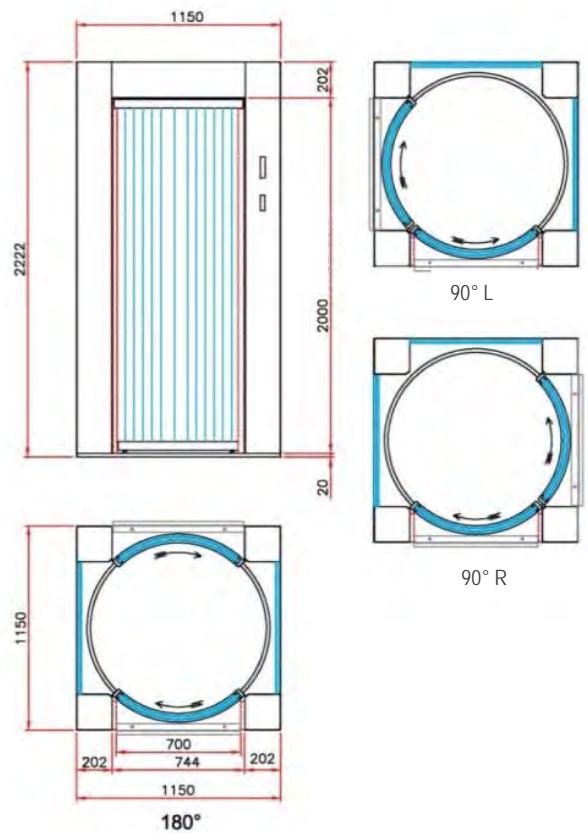
- self-contained built-in metal detector
- volumetric left object control system
- volumetric single passage checking system
- digital display, menu-guided command and setting console
- intercom, voice messages and traffic-lights
- easy-link to third party manufactured access control systems (RS232 - RS485 – IBIS interfaces)
- hidden microcameras inside the cabin
- proxy and swipe-card and biometric readers easily added
- low-side mechanical key for additional locking



TOP 150



TOP 150 Plus



TECHNICAL SPECIFICATIONS

- DIMENSIONS:
 - TOP 150 L 1050 x W 1050 x H 2222 mm
 - TOP 150 PLUS L 1150 x W 1150 x H 2222 mm
- FREE PASSAGE AREA:
 - TOP 150 L 580 x H 2000 mm
 - TOP 150 PLUS L 700 x H 2000 mm
- WEIGHT: from 700 to 900 Kg according to the model and additional options
- POWER SUPPLY: 230 V (110 V on request), 50/60 Hz
- VOLTAGE: 12-24 V.d.c. with back-up batteries for uninterrupted operations in case of power loss (from 100 up to 1000 cycles)
- THROUGHPUT: 4-5 full cycles/1' one sense; 7-8 full cycles/1' two senses according to the model and additional options
- FRAME
 - one-block painted steel frame
 - steel sides on applications
 - cabins floor: 20 mm thick (cabins do not need to be recessed)
- PAINTING AND FINISHING: RAL colours code range standards with «orange skin» finishing (flat finishing, stainless steel execution and other colours on request)
- GLASS: sides and doors equipped with 26/27 mm laminated thick glass rated BR3/S P6B (different glass thickness on request)
- LIGHTING: inside lighting with 12 V, 50/60 Hz led spots
- MOVEMENT: 24 V.d.c. electric-motors assisted sliding-doors movement with reversible option for manual opening in case of total power loss
- ELECTRONICS: microprocessor based electronics
- ACCIDENT PREVENTION MEASURES: self-adjusted braking, speed control and accident prevention devices
- PROGRAMMABLE OPTIONS: emergency escape/door locks; automatic/manual transit; passage one/both directions



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EM24K series

EM24K series represent Tonali flexible solution for **security entrances**. Practical and stylish, they fit every background, specifically **ministries, banks, industries and airports**. They can be delivered in parts for on-site assembly.



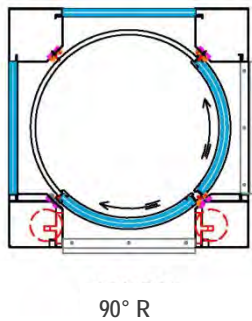
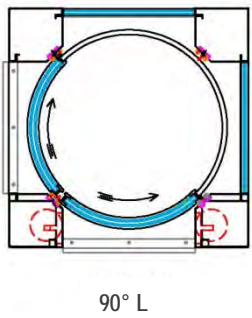
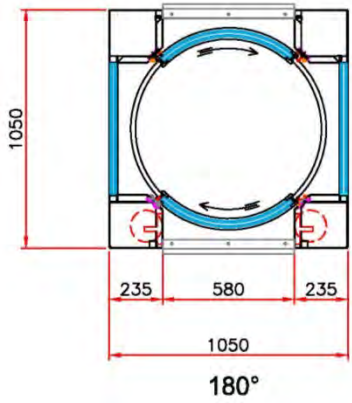
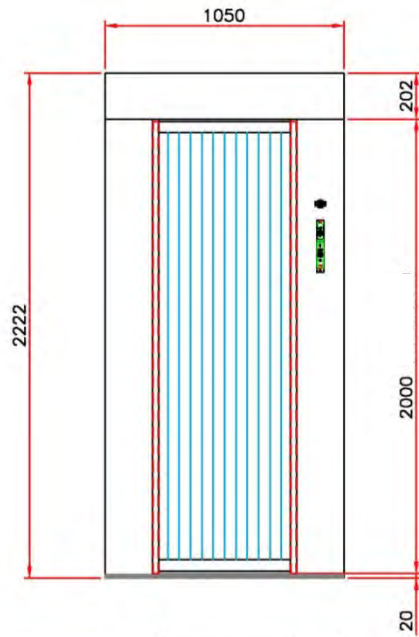
EM24K Maxi

Square models are available with a straight (180°) or left/right angled (90°) passage:

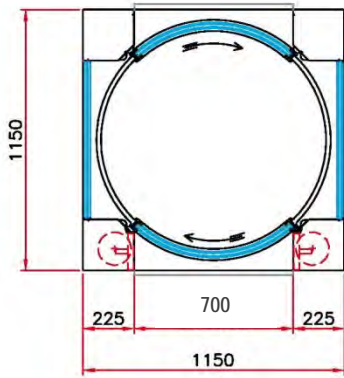
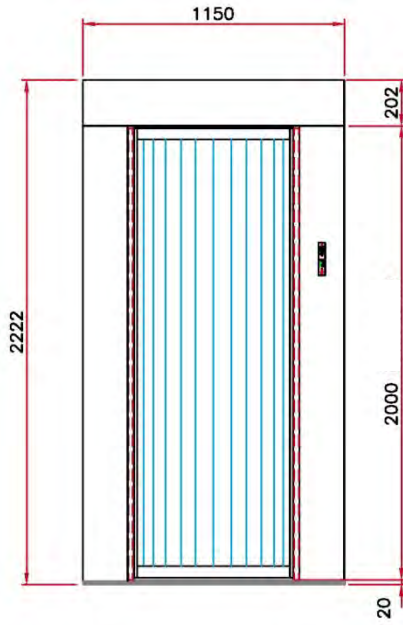
- EM24K: base 1050mm and glass up to 29/30mm
- EM24K Plus: base 1150mm and glass up to 29/30mm
- EM24K Maxi: base 1500mm, 180° passage only and glass up to 19/20mm



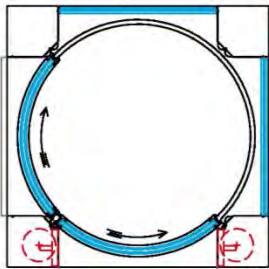
EM24K



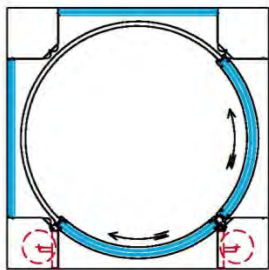
EM24K Plus



180°

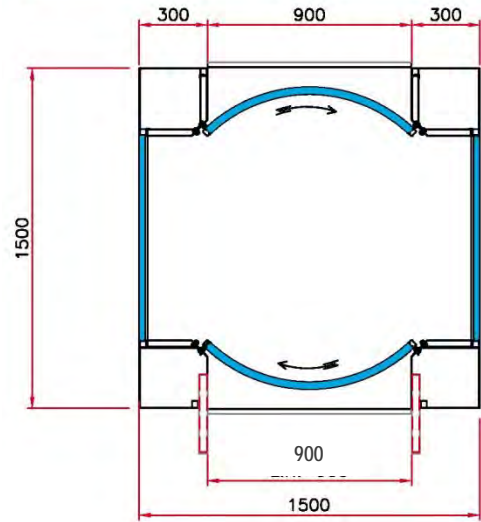
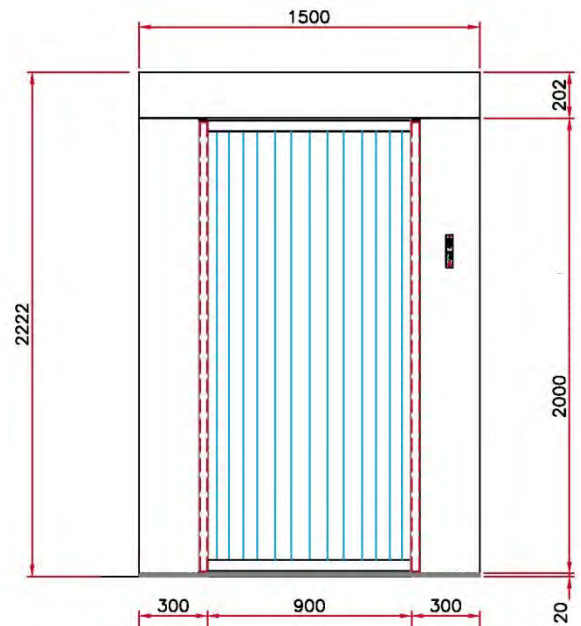


90° L



90° R

EM24K Maxi



180°

FEATURES AND OPTIONS

- self-contained built-in metal detector
- volumetric left object control system
- volumetric single passage checking system
- digital display, menu-guided command and setting console
- intercom, voice messages and traffic-lights
- easy-link to third party manufactured access control systems (RS232 - RS485 – IBIS interfaces)
- hidden microcameras inside the cabin
- proxy and swipe-card and biometric readers easily added
- low-side mechanical key for additional locking

TECHNICAL SPECIFICATIONS

- DIMENSIONS:
 - EM24K L 1050 x W 1050 x H 2222 mm
 - EM24K Plus L 1150 x W 1150 x H 2222 mm
 - EM24K Maxi L 1500 x W 1500 x H 2222 mm
- FREE PASSAGE AREA:
 - EM24K L 580 x H 2000 mm
 - EM24K Plus L 700 x H 2000 mm
 - EM24K Maxi L 900 x H 2000 mm
- WEIGHT: from 700 Kg up to 1050 Kg according to the model and additional options
- POWER SUPPLY: 230 V (110 V on request), 50/60 Hz
- VOLTAGE: 12-24 V.d.c. with back-up batteries for uninterrupted operations in case of power loss (from 100 up to 1000 cycles)
- THROUGHPUT: 3-5 full cycles/1' one sense; 6-8 full cycles/1' two senses according to the model and additional options
- FRAME:
 - demountable, in painted steel frame
 - steel sides on applications
 - cabins floor: 20 mm thick (cabins do not need to be recessed)
- PAINTING AND FINISHING: RAL colours code range standards with «orange skin» finishing (flat finishing, stainless steel execution and other colours on request)
- GLASS: sides and doors equipped with 26/27 mm laminated thick glass rated BR3/S P6B; 19/20mm laminated thick glass rated BR2/S P6B on EM 24K Maxi (different glass thickness on request)
- LIGHTING: inside lighting with 12 V, 50/60 Hz led spots
- MOVEMENT: 24 V.d.c. electric-motors assisted sliding-doors movement with reversible option for manual opening in case of total power loss
- ELECTRONICS: microprocessor based electronics
- ACCIDENT PREVENTION MEASURES: self-adjusted braking, speed control and accident prevention devices
- PROGRAMMABLE OPTIONS: emergency escape/door locks; automatic/manual transit; passage one/both directions



TONDA LIGHT K series

TONDA LIGHT K series is the **solution for a secure access control, quick and elegant..** Automatic interlocked doors, round base, available both in painted steel and in stainless steel, they can be delivered in parts for on-site assembly.

A light structure gives a maximum, glazed surface area.

Equipped with curved doors controlled by a powerful motorized system, it provides rigorous control while maintaining a high flow passage (**from 3 up to 5 passages per minute in the same direction and from 6 up to 8 passages per minute in alternative directions, according to the model).**



TONDA LIGHT K with metal detector



TONDA LIGHT K Plus

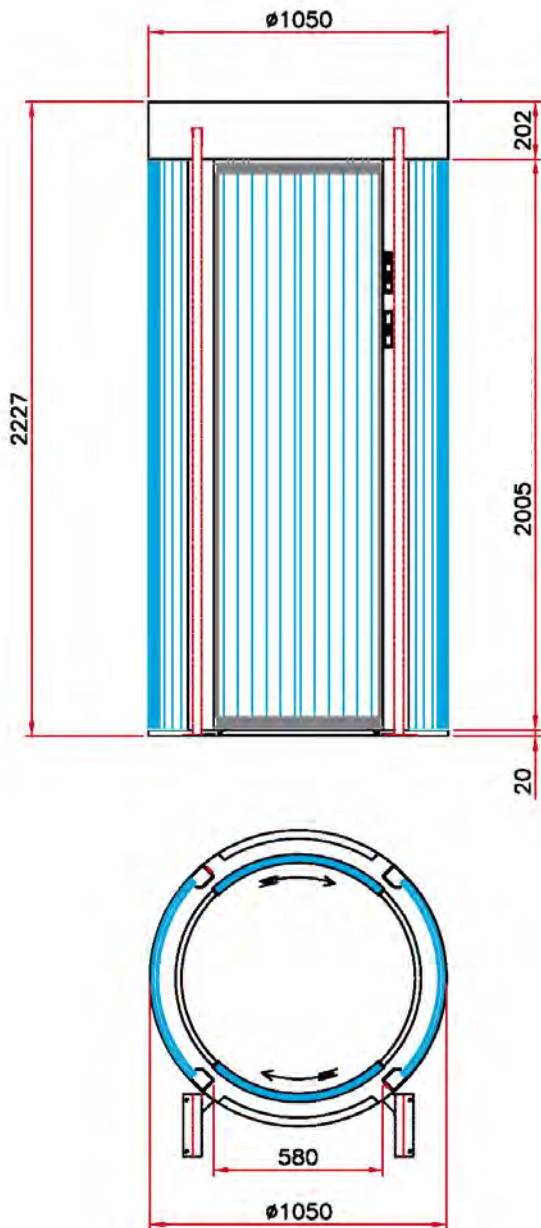
Available in separate parts for local assembly, can be easy installed also to the highest floors.

They are available with 180° passage in several models :

- TONDA LIGHT K: Ø 1050mm and glass up to 26/27mm
- TONDA LIGHT K Plus: Ø 1150mm and glass up to 19/20mm
- TONDA LIGHT K Maxi: Ø 1485mm and glass up to 19/20mm



TONDA LIGHT K



TONDA LIGHT K with metal detector



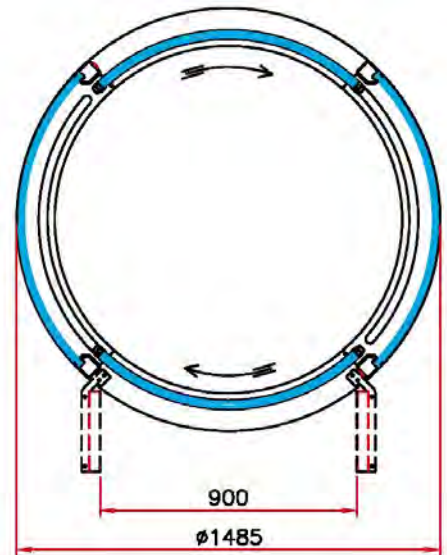
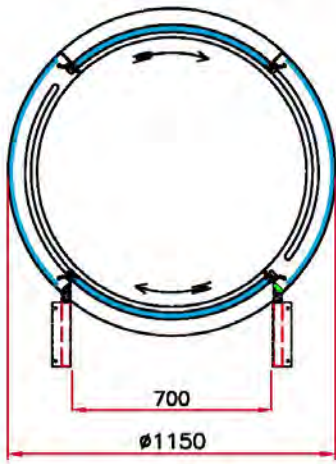
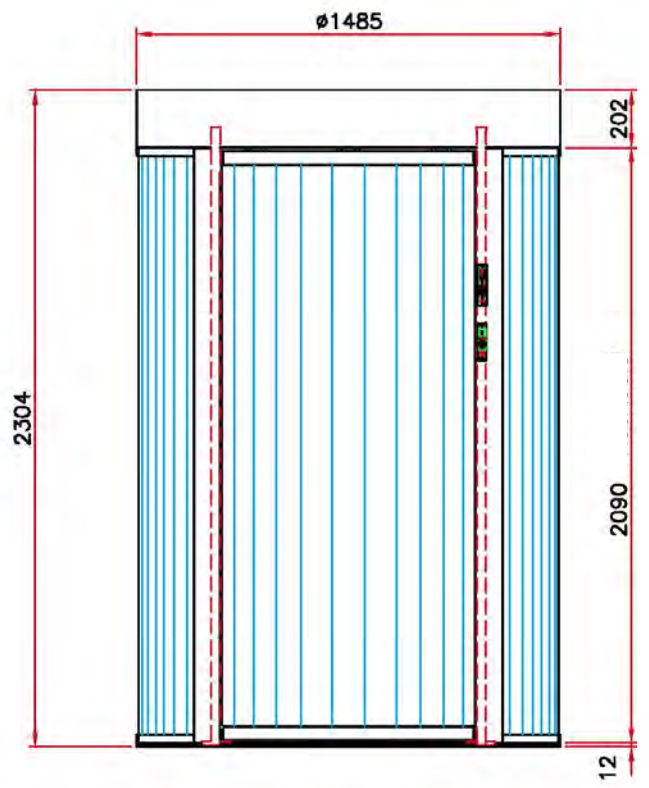
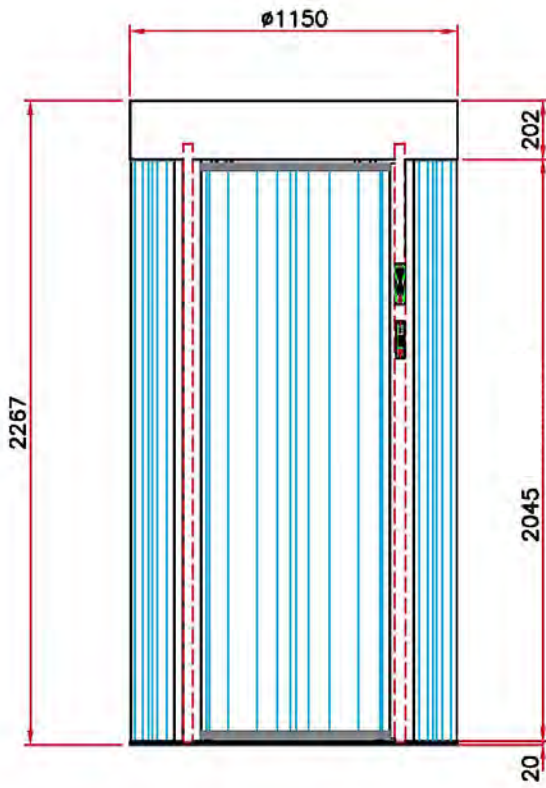
TONDA LIGHT K Plus



TONDA LIGHT K Maxi with metal detector
and video analysis system
IMAGO COUNTER PEOPLE

TONDA LIGHT K Plus

TONDA LIGHT K Maxi



FEATURES AND OPTIONS

- **built-in metal detector**
- volumetric left object control system
- volumetric single passage checking system
- digital display, menu-guided command and setting console
- intercom, voice messages and traffic-lights
- easy-link to third party manufactured access control systems (RS232 - RS485 – IBIS interfaces)
- hidden microcameras inside the cabin
- proxy and swipe-card and biometric readers easily added
- low-side mechanical key for additional locking

TECHNICAL SPECIFICATIONS

- **DIMENSIONS:**
 - TONDA LIGHT K \varnothing 1050 x H 2227 mm
 - TONDA LIGHT K Plus \varnothing 1150 x H 2267 mm
 - TONDA LIGHT K Maxi \varnothing 1485 x H 2304 mm
- **FREE PASSAGE AREA:**
 - TONDA LIGHT K L 580 x H 2005 mm
 - TONDA LIGHT K Plus L 700 x H 2045 mm
 - TONDA LIGHT K Maxi L 900 x H 2090 mm
- **WEIGHT:** from 450 Kg up to 900 Kg according to the model and additional options
- **POWER SUPPLY:** 230 V (110 V on request), 50/60 Hz
- **VOLTAGE:** 12-24 V.d.c. with back-up batteries for uninterrupted operations in case of power loss (up to 100 cycles)
- **THROUGHPUT:** 3-5 full cycles/1' one sense; 6-8 full cycles/1' two senses according to the model and additional options
- **FRAME:**
 - available also in separate parts for local assembling
 - cabins floor: 12 mm (standard for TONDA LIGHT K Maxi, on request for other models which have 20mm thick floor as standard)
- **PAINTING AND FINISHING:** RAL colours code range standards with «orange skin» finishing (flat finishing, stainless steel execution and other colours on request)
- **GLASS:**
 - sliding doors with 11/12mm laminated thick glass rated P2A (different glass thickness on request)
 - sides with 19/20mm laminated thick glass rated BR2/S P6B (different glass thickness on request for TONDA LIGHT K)
- **MOVEMENT:** 24 V.d.c. electric-motors assisted sliding-doors movement with reversible option for manual opening in case of total power loss
- **LIGHTING** inside lighting with 12 V, 50/60 Hz led spots
- **ELECTRONICS:** microprocessor based electronics
- **ACCIDENT PREVENTION MEASURES:** self-adjusted braking, speed control and accident prevention devices
- **PROGRAMMABLE OPTIONS:** emergency escape/door locks; automatic/manual transit; passage one/both directions



MULTIWAY 90-90

MULTIWAY 90/90 is a **double-corridor booth with automatic interlocked doors to control people in entrance and in exit.** Thanks to its design it is possible to introduce **metal detector in both corridors and bullet proof glass.**

Sliding doors overlapping in opening grants Multiway 90-90 **space saving** and the two corridors can be programmed independently according to the needs. The options selection is made at the two programming consoles, each of them controls one corridor.

MULTIWAY 90/90 is available for 180° passage.

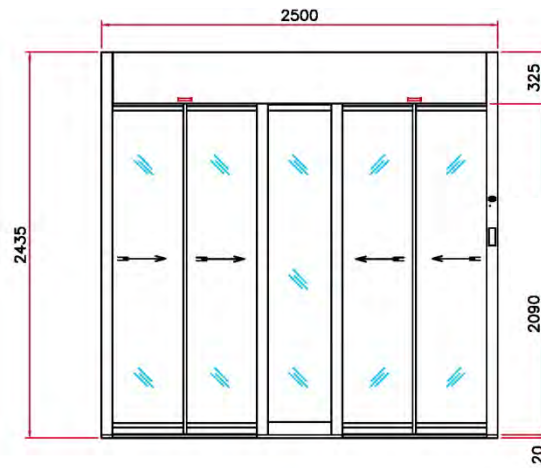


MULTIWAY 90-90 next to UNIVERS AC

FEATURES AND OPTIONS

- **self-contained built-in metal detector in one or two corridors**
- volumetric left object control system in one or two corridors
- volumetric single passage checking system in one or two corridors
- two digital display, menu-guided command and setting consoles
- intercom, voice messages and traffic-lights
- easy-link to third party manufactured access control systems (RS232 - RS485 – IBIS interfaces)
- hidden microcameras inside the corridors
- proxy and swipe-card and biometric readers easily added
- low-side mechanical key for additional locking





TECHNICAL SPECIFICATIONS

- DIMENSIONS: L 2500 x W 1600 x H 2435 mm
- FREE PASSAGE AREA: L 900 x H 2090 mm each corridor
- WEIGHT: roughly 1600 Kg according to the model and additional options
- POWER SUPPLY: 230 V (110 V on request), 50/60 Hz
- VOLTAGE: 12-24 V.d.c. with back-up batteries for uninterrupted operations in case of power loss (from 100 up to 1000 cycles) each corridor
- THROUGHPUT: 11-12 full cycles/1' one sense; 23-24 full cycles/1' two senses according to the model and additional options
- FRAME:
 - painted steel available only in separate parts for local assembling
 - cabin floor: 20 mm thick (cabin does not need to be recessed)
- PAINTING AND FINISHING: RAL colours code range standards with «orange skin» finishing (flat finishing, stainless steel execution and other colours on request)
- GLASS: sides and doors equipped with 19/20mm laminated thick glass rated BR2/S P6B (different glass thickness on request)
- MOVEMENT: 24 V.d.c. electric-motors assisted sliding-doors movement with reversible option for manual opening in case of total power loss
- LIGHTING: inside lighting with 12 V, 50/60 Hz led spots
- ELECTRONICS: microprocessor based electronics
- ACCIDENT PREVENTION MEASURES: self-adjusted braking, speed control and accident prevention devices
- PROGRAMMABLE OPTIONS: emergency escape/door locks; automatic/manual transit; passage one/both directions



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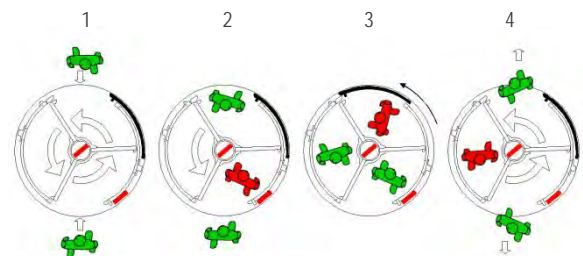
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UNIVERS 3T

UNIVERS 3 T is a **multi-sectors revolving-type entrance control system** with built in Metal Detector and an **additional sliding door at the protected side**. The continuous rotation enables all users, both entering or leaving, to pass through, regardless of irregular situations, drastically improving passage flow with an high security level.



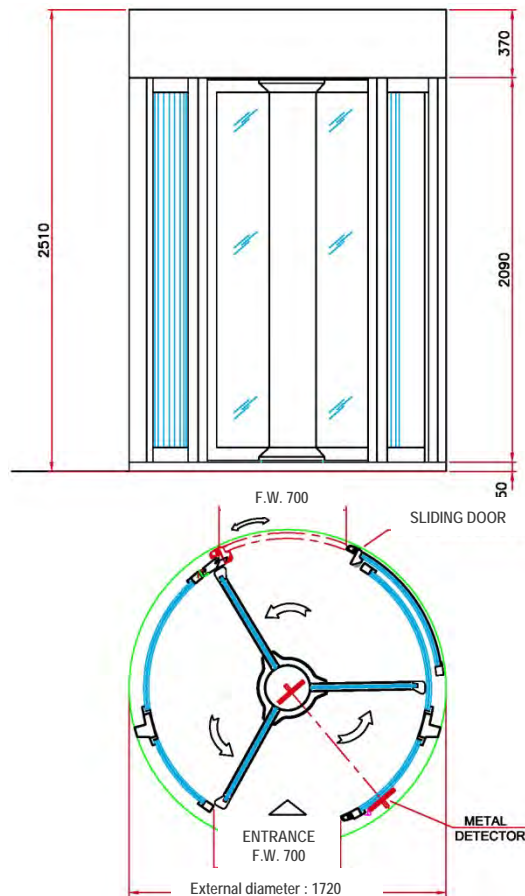
In case of a Metal Detector alarm the user occupying the affected sector will find the additional sliding door closed, and will therefore be naturally encouraged to continue and complete a full revolution towards outside the building. Thus in situation where a Metal Detector alarm is active the cycle is not in any way adversely affected.



FEATURES AND OPTIONS

- self-contained built-in metal detector
- digital display, menu-guided command and setting console
- intercom, voice messages and traffic-lights
- easy-link to third party manufactured access control systems (RS232 - RS485 – IBIS interfaces)
- proxy and swipe-card and biometric readers easily added
- Turnstile manual unlock system in case of emergency





TECHNICAL SPECIFICATIONS

- SIZES: Ø 1720 x H 2510 mm
- FREE PASSAGE AREA: L 700 x H 2090
- WEIGHT: roughly 1200 Kg according to the model and additional options
- POWER SUPPLY: 230 V (110 V on request), 50/60 Hz
- VOLTAGE: 12-24 V.d.c. with back-up batteries for uninterrupted operations in case of power loss (from 100 up to 1000 cycles)
- THROUGHPUT: 11-12 full cycles/1' one sense; 23-24 full cycles/1' two senses according to the model and additional options
- FRAME:
 - one-block painted steel frame
 - cabin floor: 50 mm thick
- PAINTING AND FINISHING: RAL colours code range standards with «orange skin» finishing (flat finishing, stainless steel execution and other colours on request)
- GLASS:
 - closing sliding door and sides equipped with 19/20 mm laminated thick glass rated BR2/S P6B
 - Central turnstile wings equipped with 13/14mm laminated thick glass rated P4A
- LIGHTING: inside lighting with 12 V, 50/60 Hz led spots
- MOVEMENT: : 24 V.d.c. electric-motor assisted turnstile wings movement with reversible option free rotation in case of total power loss
- ELECTRONICS: microprocessor based electronics
- ACCIDENT PREVENTION MEASURES: self-adjusted braking, speed control and accident prevention devices
- PROGRAMMABLE OPTIONS: emergency escape/door locks; automatic/manual transit; passage one/both directions



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FILTRO BIOMETRICO series

FILTRO BIOMETRICO anti-burglar resistance series has been design to grant an **high level of security and an high level of safety**. Its special structure has been conceived to **resist against burglar attacks** and, at the same time, thanks to the anti-panic push bar installed on the external door, to **grant an escape route in case of emergency**.

FILTRO BIOMETRICO and FILTRO BIOMETRICO LIGHT cabins are suitable to protect vault rooms like in bank branches, post offices, surveillance institutes, supermarkets, etc.



FILTRO BIOMETRICO



FILTRO BIOMETRICO Light

With additional Tonalì integrated systems, **access control is provided to check restricted areas:**

- in entrance, access is provided with the sequence of PIN code or badge, single presence control (with weight cells or volumetric control according to the model) and biometric data verification
- in exit, it is possible to control single presence and biometric data.



FEATURES AND OPTIONS

- single presence check inside the cabin (FILTRO BIOMETRICO) with loading cells. Transit with customized weight, range of acceptance of, to be set by the client
- volumetric single passage checking system (FILTRO BIOMETRICO Light)
- **one push button located on the internal side of the cabin to alarm and unlock both doors to allow exit.** In case of black-out the internal push button unlocks the low door allowing exit unlock
- emergency push button
- low door with anti-panic push-bar suitable also for emergency escape
- electric motor assisted high side sliding door
- digital display, menu-guided command and setting console
- intercom, voice messages and traffic-lights
- easy-link to third party manufactured access control systems (RS232 - RS485 – IBIS interfaces)
- hidden microcameras inside the cabin
- proxy and swipe-card and biometric readers easily added
- electrical lock with 3 locking points for the low door with security roller with 3 un-duplicable keys

INSIDE DETAILS

EMERGENCY PUSH
BUTTON



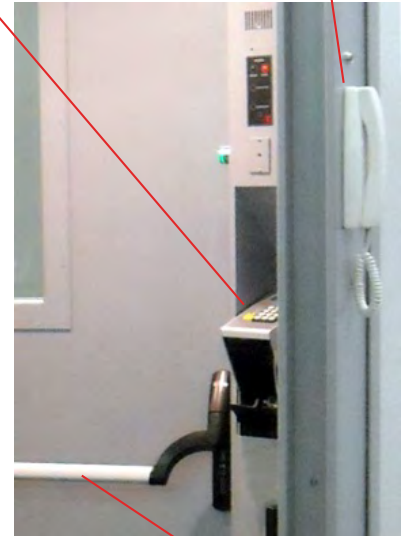
EMERGENCY PUSH
BUTTON TO
UNLOCK BOTH
DOORS

DI-BIS BIOMETRIC READER (3D two
fingers geometry based)



MAGNETIC STRIPE BADGE
READER AND PIN BOARD

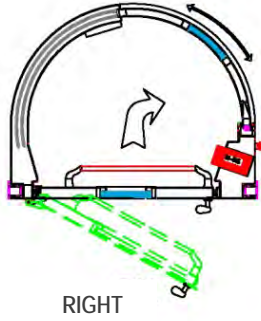
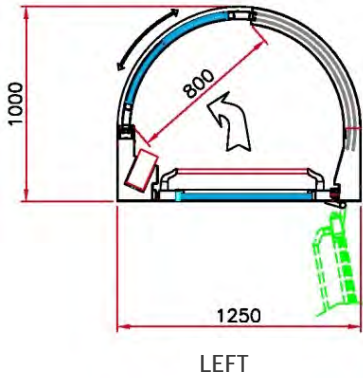
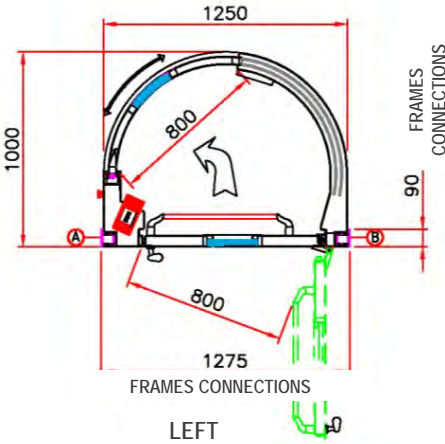
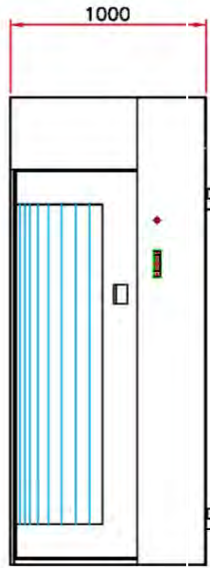
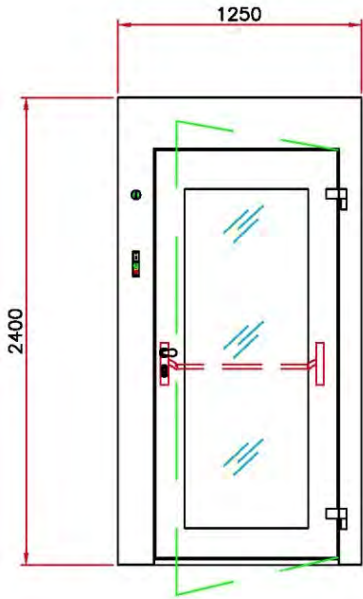
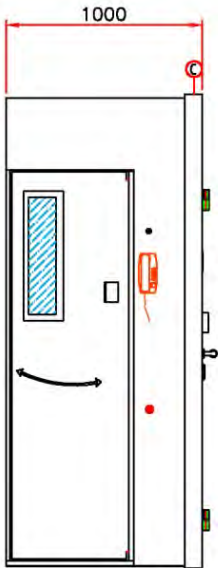
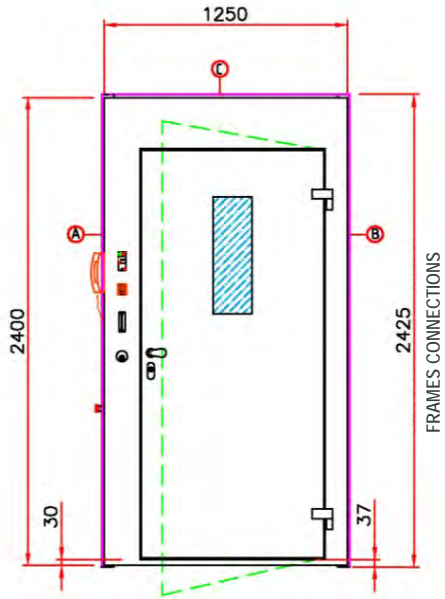
INTERCOM



ANTI-PANIC PUSH BAR

FILTRO BIOMETRICO

FILTRO BIOMETRICO Light



TECHNICAL SPECIFICATIONS

- DIMENSIONS:
 - FILTRO BIOMETRICO L 1250 x W 1000 x H 2400 mm
 - FILTRO BIOMETRICO Light L 1250 x W 1000 x H 2400 mm
- FREE PASSAGE AREA:
 - FILTRO BIOMETRICO L 800 x H 2000 mm
 - FILTRO BIOMETRICO Light L 800 x H 2000 mm
- WEIGHT: roughly 825 Kg according to the model and additional options
- POWER SUPPLY: 230 V (110 V on request), 50/60 Hz
- VOLTAGE: 12-24 V.d.c. with back-up batteries for uninterrupted operations in case of power loss (from 100 up to 1000 cycles)
- FRAME:
 - one-block painted steel frame 3+5 mm
 - low side door frame 3+5 mm
 - high side sliding door frame 3+3 mm
 - armoured laminated steel ceiling 3 mm with anti-tamper top cover
 - cabins floor: 37 mm thick
- PAINTING AND FINISHING: RAL colours code range standards with «orange skin» finishing (flat finishing, stainless steel execution and other colours on request)
- GLASS: sides and doors equipped with laminated, 26/27 mm laminated thick glass rated BR3/S P6B (different glass thickness on request)
- LIGHTING: inside lighting with 12 V, 50/60 Hz led spots
- MOVEMENT: 24 V.d.c. electric-motors assisted sliding-doors movement with reversible option for manual opening in case of total power loss
- ELECTRONICS: microprocessor based electronics
- ACCIDENT PREVENTION MEASURES: self-adjusted braking, speed control and accident prevention devices
- PROGRAMMABLE OPTIONS: emergency escape/door locks; automatic/manual transit; passage one/both directions



noRADIO series

The increased interests on radioactive hazards has driver Tonali to introduce a radioactive detector system **fitted inside the security booth «noRadio»** in order to grant security in the «high risk» gates like airports, nuclear power plants & nuclear components handling sites,....

noRADIO series is able to detect the presence of gamma radioactive material (i.e. used for a dirty bomb) by means of NaI, (Tl.) detector and its associated counting electronics, fully integrated with the overall system. This option allows a fast detection of unshielded gamma emitters having activity 1 MBq or less, depending on source position. Radioactivity monitoring detects radioactivity but emits none.

Shielded gamma emitters (lead, heavy metals) can be easily detected by the optional built-in metal detector.

Square models are available with a straight (180°) or left/right angled (90°) passage:

- **noRADIO**: base 1050mm and glass up to 29/30mm
- **noRADIO Plus**: base 1150mm and glass up to 29/30mm



noRADIO

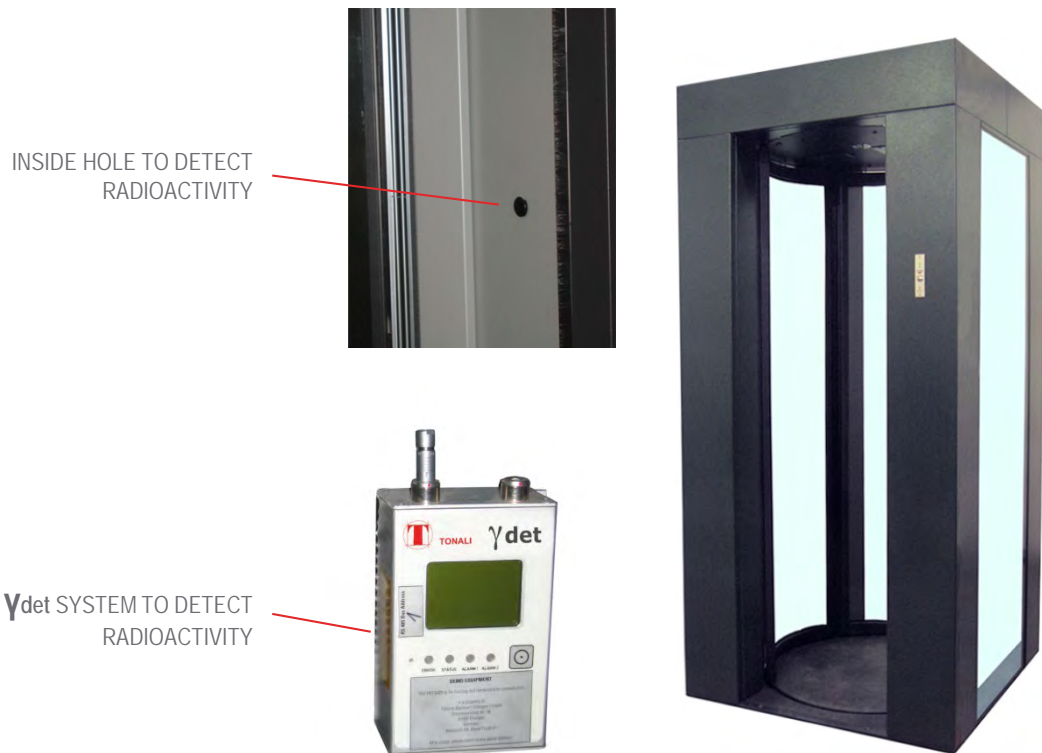
The sensitivity over false-alarms ratio may be adjusted according to each user's specific requirements. Warning: some alarms will be due to people who have recently undergone diagnosis or treatment with nuclear medicine or radiotherapy methods (scintigraphy, PET scans, metabolic radiotherapy, prostate Brach therapy, etc).



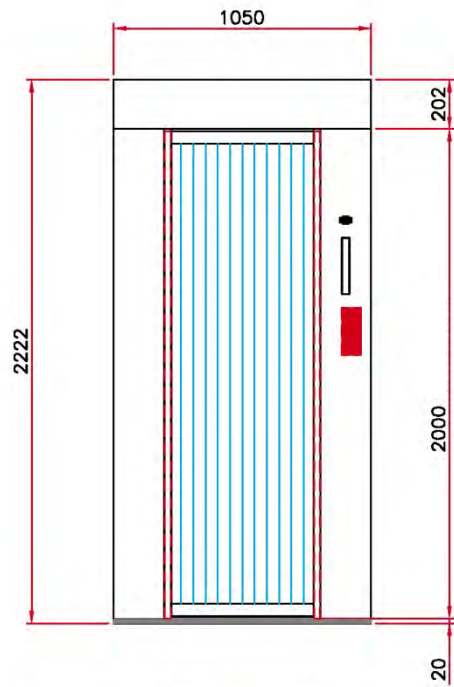
FEATURES AND OPTIONS

- self-contained built-in metal detector
- neutron detector capable detecting fissile or strategic material (i.e. uranium, plutonium)
- volumetric left object control system
- volumetric single passage checking system
- digital display, menu-guided command and setting console
- intercom, voice messages and traffic-lights
- easy-link to third party manufactured access control systems (RS232 - RS485 – IBIS interfaces)
- hidden microcameras inside the cabin
- proxy and swipe-card and biometric readers easily added
- low-side mechanical key for additional locking

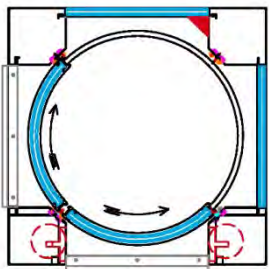
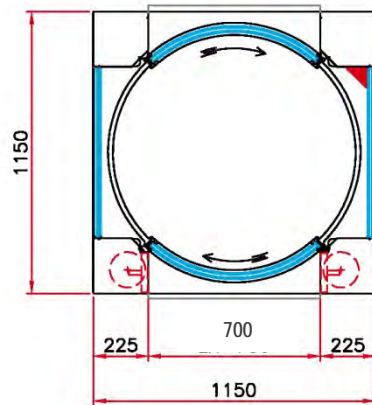
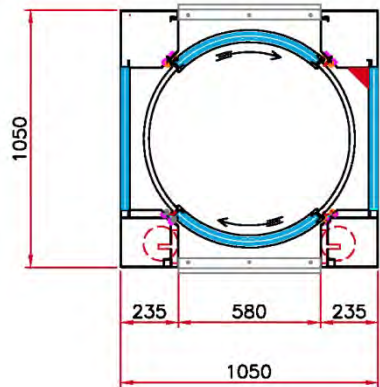
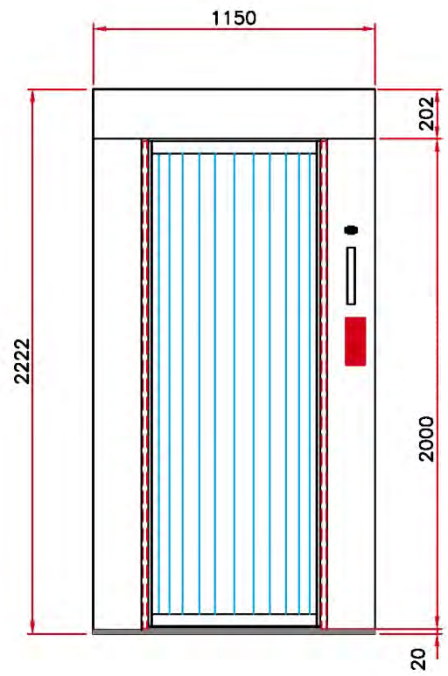
INSIDE DETAILS



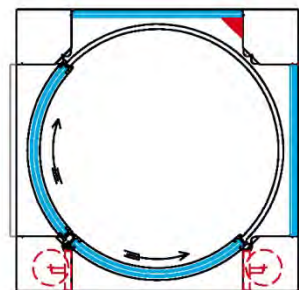
noRADIO



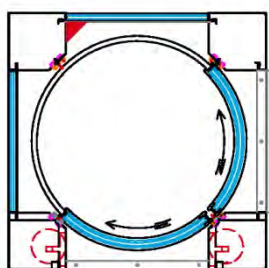
noRADIO Plus



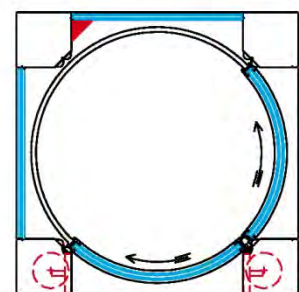
90° L



90° L



90° R



90° R

TECHNICAL SPECIFICATIONS

- DIMENSIONS:
 - noRADIO L 1050 x W 1050 x H 2222 mm
 - noRADIO Plus L 1150 x W 1150 x H 2222 mm
- FREE PASSAGE AREA:
 - noRADIO L 580 x H 2000 mm
 - noRADIO Plus L 700 x H 2000 mm
- WEIGHT: from 700 Kg up to 1050 Kg according to the model and additional options
- POWER SUPPLY: 230 V (110 V on request), 50/60 Hz
- VOLTAGE: 12-24 V.d.c. with back-up batteries for uninterrupted operations in case of power loss (from 100 up to 1000 cycles)
- THROUGHPUT: 4-5 full cycles/1' one sense; 7-8 full cycles/1' two senses according to the model and additional options
- FRAME:
 - available also in separate parts for local assembling
 - steel sides on applications
 - cabins floor: 20 mm thick (cabins do not need to be recessed)
- PAINTING AND FINISHING: RAL colours code range standards with «orange skin» finishing (flat finishing, stainless steel execution and other colours on request)
- GLASS: sides and doors equipped with 26/27 mm laminated thick glass rated BR3/S P6B; (different glass thickness on request)
- LIGHTING: inside lighting with 12 V, 50/60 Hz led spots
- MOVEMENT: 24 V.d.c. electric-motors assisted sliding-doors movement with reversible option for manual opening in case of total power loss
- ELECTRONICS: microprocessor based electronics
- ACCIDENT PREVENTION MEASURES: self-adjusted braking, speed control and accident prevention devices
- PROGRAMMABLE OPTIONS: emergency escape/door locks; automatic/manual transit; passage one/both directions





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«PRODUCTS»

Subject to change without notice