



# Revolving Door

## ***THE PRODUCT***

*THE PRODUCT IS MADE BY A STEEL STRUCTURE, WITH WINGS AND SIDE PANELS IN GLASS.*

*THE TYPE OF PRODUCT IS:*



*° VERY ELEGANT STRUCTURES WITH HIGH TECHNOLOGICAL FEATURES:*

- HIGH PERFORMANCE;*
- SILENT AND SMOOTH;*
- NO NEED FOR SPECIAL ELECTROMECHANICAL TUNING;*
- EASY MAINTAINABILITY (USING STAFF WITH NORMAL SKILLS)*

*° THE FIRMNESS OF THE STRUCTURE MAKES THE PRODUCT ABLE TO WORK FOR MANY YEARS SMOOTHLY EVEN IF USED IN SITES WITH LARGE FLOW OF PEOPLE*

*THE PRODUCTS OF **AUR** RANGE, THANKS TO CAREFUL FEATURES IN BOTH DESIGN AND CONSTRUCTION ARE CHARACTERIZED BY:*



## WHY TO USE REVOLVING DOORS?

- *HIGH RELIABILITY*
- *DESIGN , STRENGTH AND ELEGANCE*
- *COATED STEEL STRUCTURE , WITH DOORS AND SIDE PANELS IN TEMPERED GLASS.*
- *PARTICULAR ATTENTION FOR THE DESIGN AND CONSTRUCTION TO THE SMALLEST DETAILS.*
- *24V DC MOTOR SYSTEM CONTROLLED BY A VERY ADVANCED ELECTRONIC ENSURING AN ACCURATE CONTROL OF THE MOVEMENT OF THE WINGS.*
- *SOFTWARE EASILY REMOVABLE AND REPLACEABLE , ALLOWING RAPID UPDATES OF FUNCTIONS.*
- *MESSAGES AND MUSIC DIFFUSION POSSIBLE IN THE CABIN*
- *VERY LOW CONSUMPTION OF ELECTRICITY THANKS TO THE EFFICIENT MECHANICAL ENGINEERING.*
- *WI-FI CONTROL PANEL SYSTEM DEDICATED TO CONNECT THE TABLET THAT ALLOWS TO DISPLAY ALL THE STATES OF THE CABIN AND GENERATE COMMANDS.*

***NO OTHER CONSTRAINTS DICTATED BY THE CARDS,  
PROGRAMMERS AND PROPRIETARY PROTOCOLS ,  
BUT A LARGE AUTONOMY AND FREEDOM FOR OUR CUSTOMER, THIS IS OUR GOAL***

## INTRODUCTION

The revolving doors of the AUB security access range have been designed to grant the flow of people in a smooth way. This product is the result of a long experience in this field, their design and the strongness as well put them in a particular way at the entry of buildings as airports, offices' establishments, hotels, laboratories, any place where elegance are required for the people.

The product is made by a painted steel structure with doors and glass side panels of high-resistance.

The products of AUB security access range, thanks to careful devices in both the design and the construction provide also a good thermal insulation whilst maintaining great visibility thanks to the wide glass sides.

## DESCRIPTION

- 1 Top** in painted steel including the devices for doors automation and the electronics and management, power supply and batteries.
- 2 Revolving Wing** in clear glass layered with thickness of 8 mm. Every wing is fitted with brushes to ensure thermal insulation.
- 3 Side panels** in painted steel and multi-layer glass with thickness of 8 mm.
- 4 Base** The unit has no base, it's placed directly on the finished floor of the site.
- 5 Logic control and e automation doors control and access mode** including:
  - ✓ Industrial PC controller, LAN Network Protocol TCP/IP
  - ✓ Control panel
  - ✓ Battery charger power-supply 230v-24v dc (approx. 100 cycles) in case of power broke down.
  - ✓ One 24 v dc motor managed by the PC logic control ensuring the fast movement of the wings with constant and gradual slow-down at the end of the opening/closing cycle as well as a perfect and efficient torque limiter such as to ensure that any contact of people against the door in motion will not cause any accident.
  - ✓ Security devices for the control of prevention of accidents
- 6 Led Spot Lamps** which grant constant lighting in the passage area people.
- 7 Security sensor:** at the edge of the cabin
- 8 Sensors**

## SURFACE TREATMENT

All the mechanical parts are treated against corrosion by electro zinc, according to RoHS norms. The structure is standard RAL paint; finish painting embossed

## OPTIONS

- ✓ Sensor for automatic rotating of the wings
- ✓ Voice messages board
- ✓ Kit for TCP/IP communication with remote control panel
- ✓ Heater for operation down to -20°C
- ✓ Push button for rotating command outside and inside
- ✓ Key lock for locking the rotation
- ✓ Manual sliding door for non-secured area side (outside the site)
  
- ✓ Housing flat finish paint or not RAL color
- ✓ Housing 304L stainless steel (brusche polished)
- ✓ Waterproof IP33 roof (half or complete)
- ✓ Passage height increased to 2300 mm
- ✓ Milky glass finish
- ✓ Electronics in separate cabinet
- ✓ Batterie pack

## BEFORE INSTALLATION

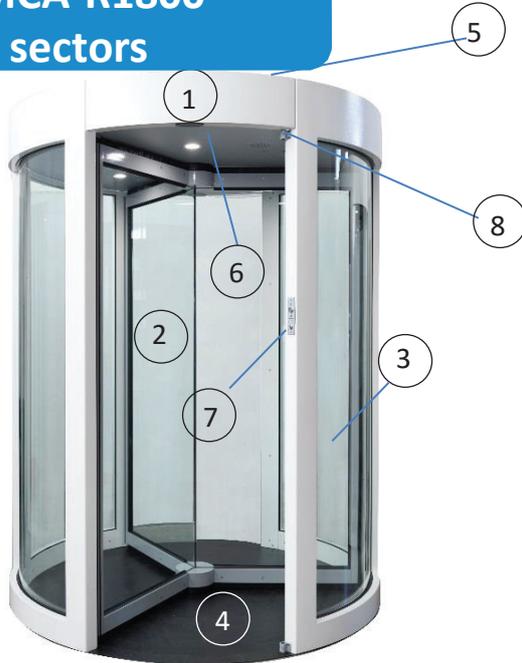
- ✓ Prepare the power supply 230V AC, 50 Hz 1A near the point where they pose the cabin, in the upper part.
- ✓ Prepare The pipes from the highest point of the cabin to the point where is the console provided (only if included in the delivery)
- ✓ Prepare the tiled floor or smooth concrete finish (6 mm maximum height difference of 4.00 m)
- ✓ Check the tightness (flow m2) of floor which is installed the security door

## RECOMMENDATIONS

The units can be supplied only disassembled, to be assembled on site.

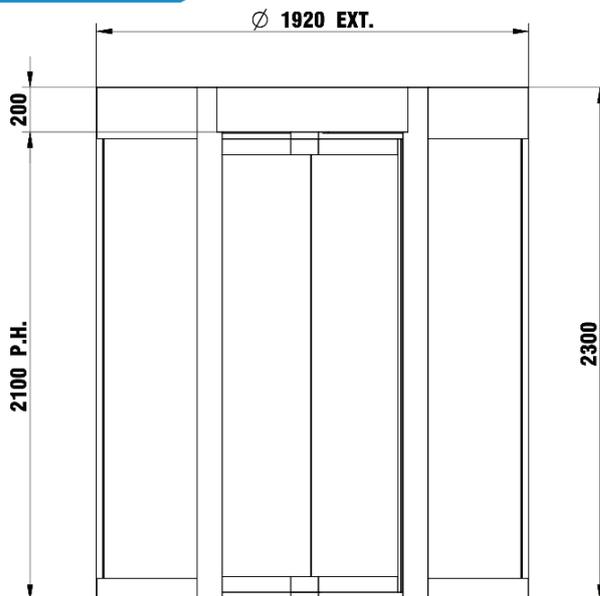
For security reasons, it is recommended that children be accompanied and monitored closely while passing through the revolving door

**REVOLVING DOOR**  
**MCA-R1800**  
**3 sectors**



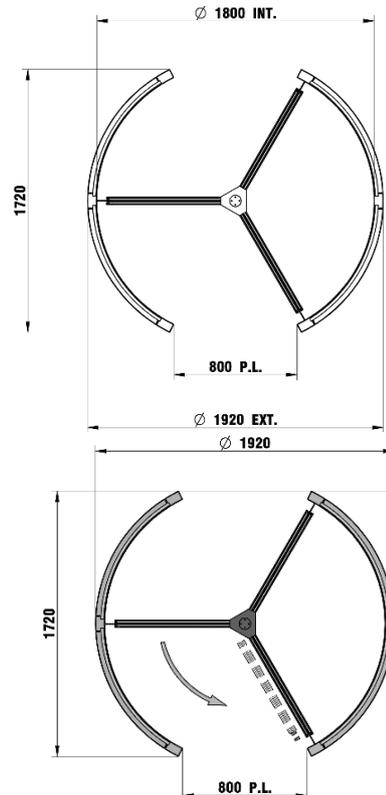
The revolving door **MCA-R 1800** is fitted with 3 wings placed at 120° 3 rotating sectors with a passage of **800mm** in the point of access to the sector and with an overall diameter of the structure of **1920 mm**.

**STANDARD SIZE (MM)**



**STANDARD TECHNICAL CHARACTERISTICS**

Power supply	230-240v, 50-60Hz, 1A (if required 110v 60 Hz)
Mother board of control	Industrial PC built according to international standards. Linus S.O with serial port ;2 LAN,2 CAN BAS, 1 RS485, 1RS23,2USB 1 mini USB
Geared motor	24 Vdc
Torque limiter	Electronic
Speed	Programmable 4 to 7 rotations/m
Passages (out of action time of the access control device)	12 to 21 users / minute in one direction, entry. 24 to 42 users / minute in both directions, entry exit.
Power consumption	150 W
Weight	1000 to 1200 Kg depending on the type of glasses
Operating t°	from - 10° a + 45°
Max relative humidity	90% without condensation
Shock resistance	IK09 (housing)
MCBF	2 Mio mean cycles between failures,when respecting recommended maintenance
CE	Conforms to European norms

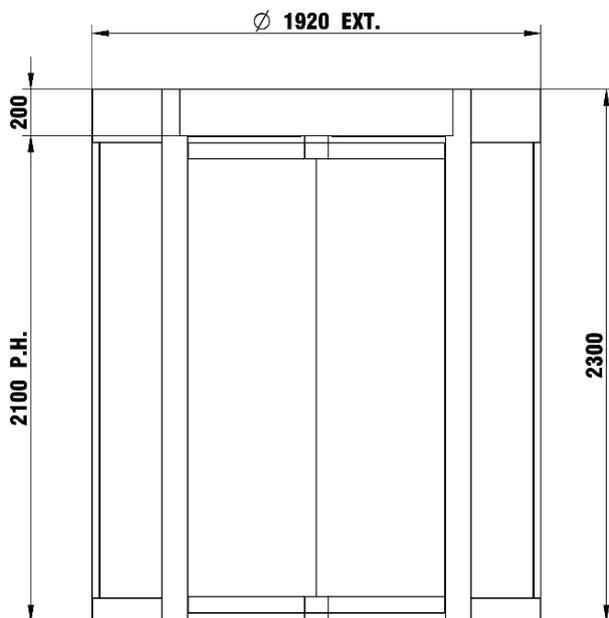


**REVOLVING DOOR  
MCA-R1800  
4 sectors**



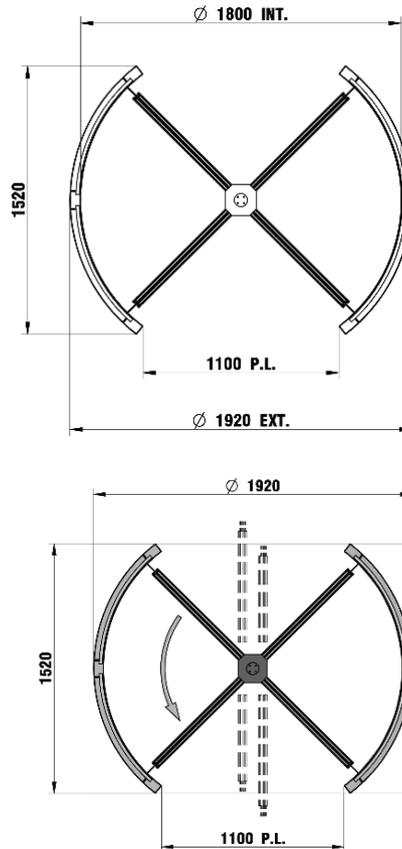
The revolving door **MCA-R 1800** is fitted with 4 wings placed at 90° rotating sector with a passage of **1100 mm** in the point of access to the sector and with an overall diameter of the structure of **1920 mm**.

**STANDARD SIZE (MM)**

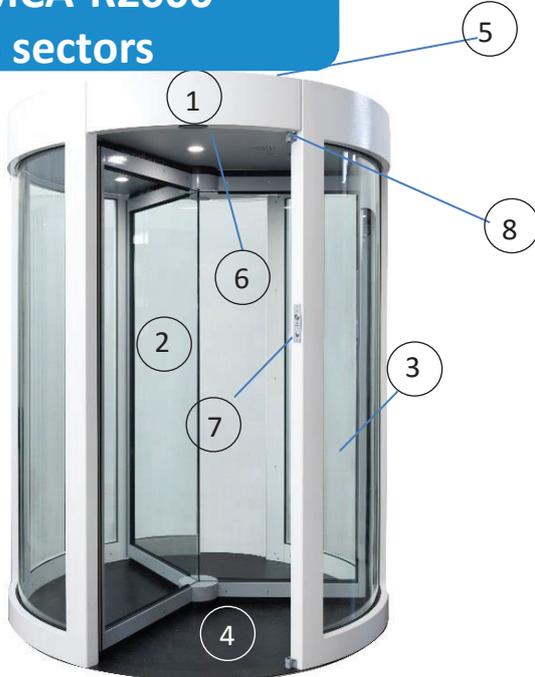


**STANDARD TECHNICAL CHARACTERISTICS**

Power supply	230-240v, 50-60Hz, 1A (if required 110v 60 Hz)
Mother board of control	Industrial PC built according to international standards. Linus S.O with serial port :2 LAN,2 CAN BAS, 1 RS485, 1RS232,2USB 1 mini USB
Geared motor	24 Vdc
Torque limiter	Electronic
Speed	Programmable 4 to 7 rotations/m
Passages (out of action time of the access control device)	12 to 21 users / minute in one direction, entry. 24 to 42 users / minute in both directions, entry exit.
Power consumption	150 W
Weight	1000 to 1200 Kg depending on the type of glasses
Operating t°	from - 10° a + 45°
Max relative humidity	90% without condensation
Shock resistance MCBF	IK09 (housing) 2 Mio mean cycles between failures,when respecting recommended maintenance
CE	Conforms to European norms

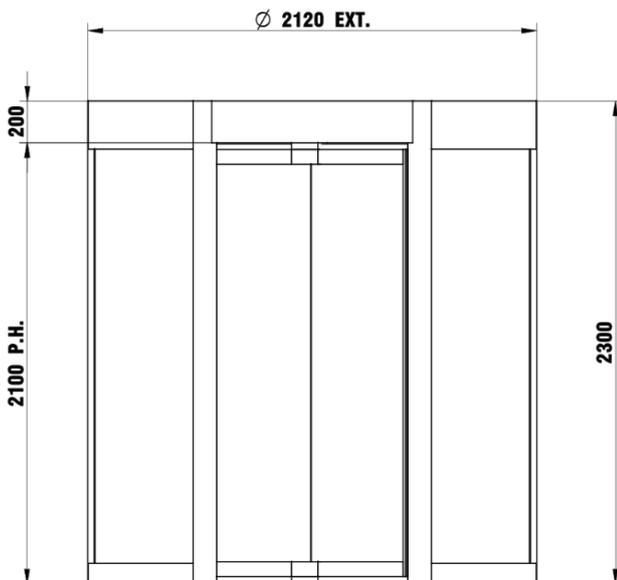


**REVOLVING DOOR**  
**MCA-R2000**  
**3 sectors**



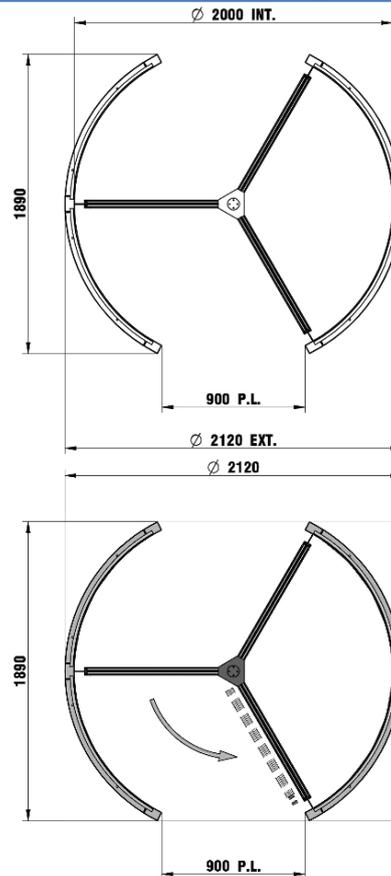
The revolving door **MCA-R 2000** is fitted with 3 wings placed at 120° 3 rotating sectors with a passage of **900 mm** in the point of access to the sector and with an overall diameter of the structure of **2120 mm**.

**STANDARD SIZE (MM)**



**STANDARD TECHNICAL CHARACTERISTICS**

Power supply	230-240v, 50-60Hz, 1A (if required 110v 60 Hz)
Mother board of control	Industrial PC built according to international standards. Linus S.O with serial port ;2 LAN,2 CAN BAS, 1 RS485, 1RS23,2USB 1 mini USB
Geared motor	24 Vdc
Torque limiter	Electronic
Speed	Programmable 4 to 7 rotations/m
Passages (out of action time of the access control device)	12 to 21 users / minute in one direction, entry. 24 to 42 users / minute in both directions, entry exit.
Power consumption	150 W
Weight	1000 to 1200 Kg depending on the type of glasses
Operating t°	from - 10° a + 45°
Max relative humidity	90% without condensation
Shock resistance MCBF	IK09 (housing) 2 Mio mean cycles between failures,when respecting recommended maintenance
CE	Conforms to European norms

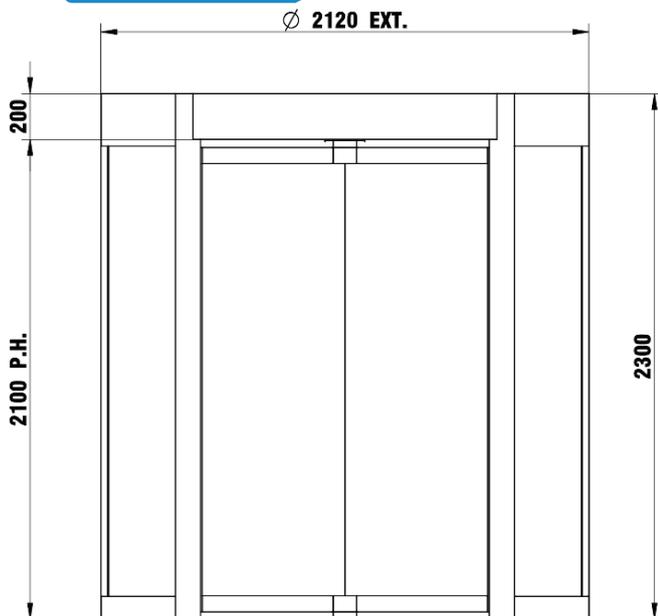


**REVOLVING DOOR**  
**MCA-R2000**  
**4 sectors**



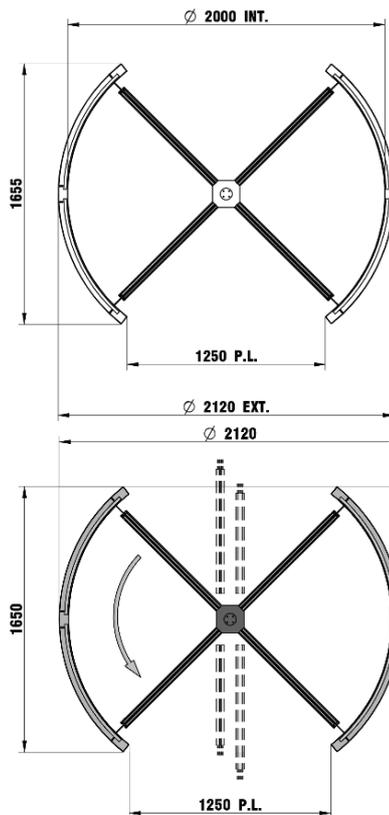
The revolving door **MCA-R 2000** is fitted with 4 wings placed at 90° rotating sector with a passage of **1250 mm** in the point of access to the sector and with an overall diameter of the structure of **2120 mm**.

**STANDARD SIZE (MM)**

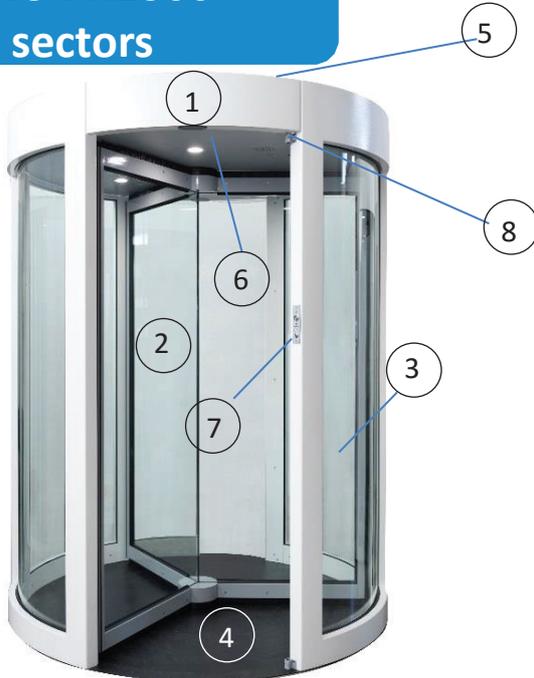


**STANDARD TECHNICAL CHARACTERISTICS**

Power supply	230-240v, 50-60Hz, 1A (if required 110v 60 Hz)
Mother board of control	Industrial PC built according to international standards. Linus S.O with serial port ;2 LAN,2 CAN BAS, 1 RS485, 1RS23,2USB 1 mini USB
Geared motor	24 Vdc
Torque limiter	Electronic
Speed	Programmable 4 to 7 rotations/m
Passages (out of action time of the access control device)	12 to 21 users / minute in one direction, entry. 24 to 42 users / minute in both directions, entry exit.
Power consumption	150 W
Weight	1000 to 1200 Kg depending on the type of glasses
Operating t°	from - 10° a + 45°
Max relative humidity	90% without condensation
Shock resistance	IK09 (housing)
MCBF	2 Mio mean cycles between failures,when respecting recommended maintenance
CE	Conforms to European norms

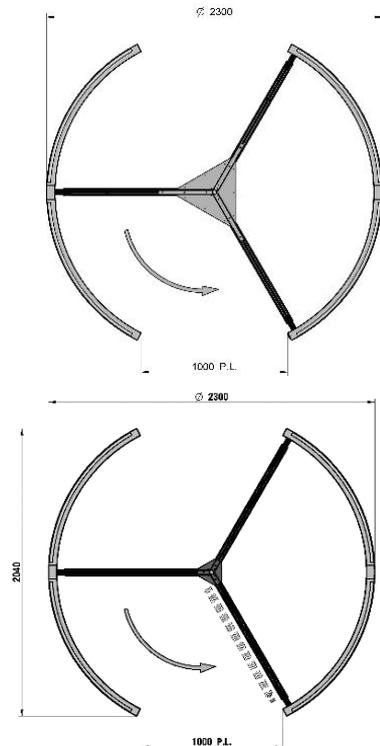


**REVOLVING DOOR  
MCA-R2300  
3 sectors**



The revolving door **MCA-R 2300** is fitted with 3 wings placed at 120° rotating sectors with a passage of **1000 mm** in the point of access to the sector and with an overall diameter of the structure of **2300 mm**.

**STANDARD SIZE (MM)**



**STANDARD TECHNICAL CHARACTERISTICS**

Power supply	230-240v, 50-60Hz, 1A (if required 110v 60 Hz)
Mother board of control	Industrial PC built according to international standards. Linus S.O with serial port ;2 LAN,2 CAN BAS, 1 RS485, 1RS23,2USB, 1 mini USB
Geared motor	24 Vdc
Torque limiter	Electronic
Speed	Programmable 4 to 7 rotations/m
Passages (out of action time of the access control device)	16 to 28 users / minute in one direction, entry. 32 to 56 users / minute in both directions, entry exit.
Power consumption	200 W
Weight	1300 to 1400 Kg depending on the type of glasses
Operating t°	from - 10° a + 45°
Max relative humidity	90% without condensation
Shock resistance MCBF	IK09 (housing) 2 Mio mean cycles between failures,when respecting recommended maintenance
CE	Conforms to European norms

**REVOLVING DOOR**  
**MCA-R2300**  
**4 sectors**



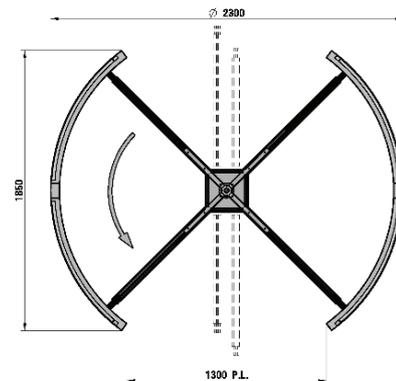
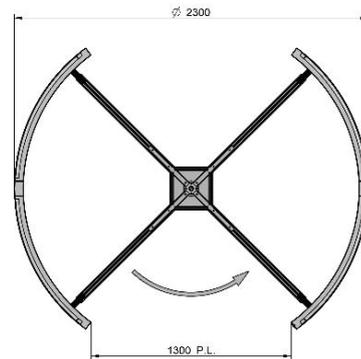
The revolving door **MCA-R 2300** is fitted with 4 wings placed at 90°4 rotating sectors with a passage of **1300 mm** in the point of access to the sector and with an overall diameter of the structure of **2300 mm**.

**STANDARD SIZE (MM)**

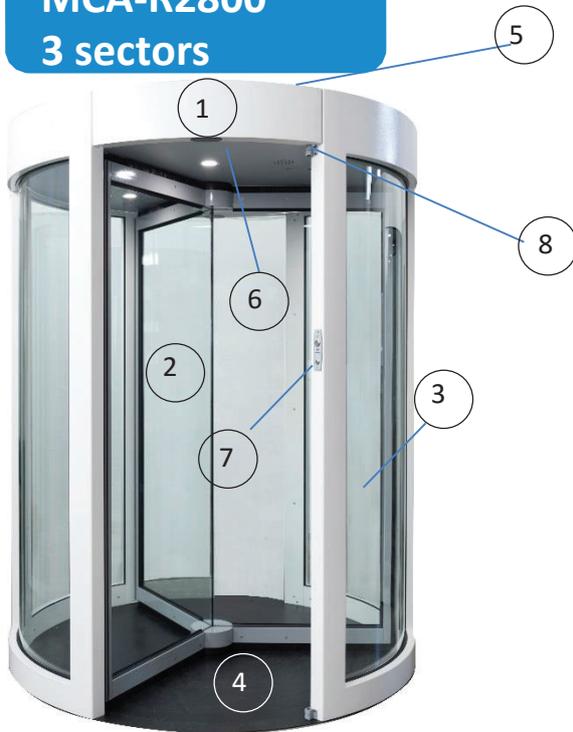


**STANDARD TECHNICAL CHARACTERISTICS**

Power supply	230-240v, 50-60Hz, 1A (if required 110v 60 Hz)
Mother board of control	Industrial PC built according to international standards. Linus S.O with serial port ;2 LAN,2 CAN BAS, 1 RS485, 1RS23,2USB, 1 mini USB
Gearred motor	24 Vdc
Torque limiter	Electronic
Speed	Programmable 4 to 7 rotations/m
Passages (out of action time of the access control device)	16 to 28 users / minute in one direction, entry. 32 to 56 users / minute in both directions, entry exit.
Power consumption	200 W
Weight	1300 to 1400 Kg depending on the type of glasses
Operating t°	from - 10° a + 45°
Max relative humidity	90% without condensation
Shock resistance	IK09 (housing)
MCBF	2 Mio mean cycles between failures,when respecting recommended maintenance
CE	Conforms to European norms

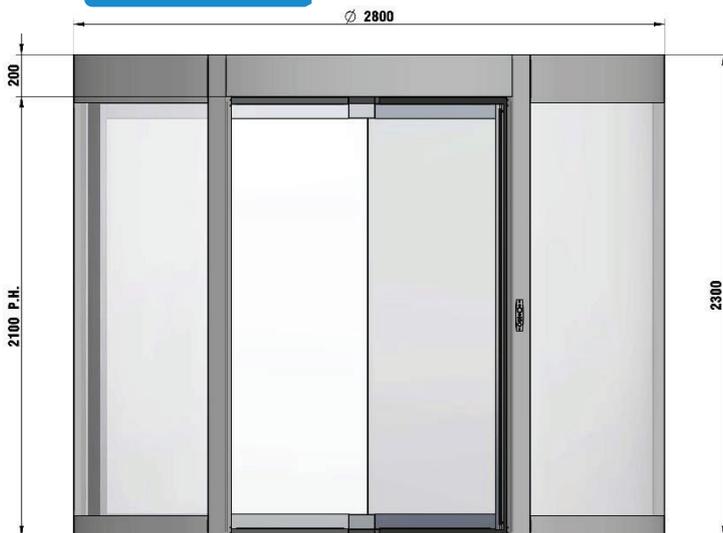


**REVOLVING DOOR  
MCA-R2800  
3 sectors**



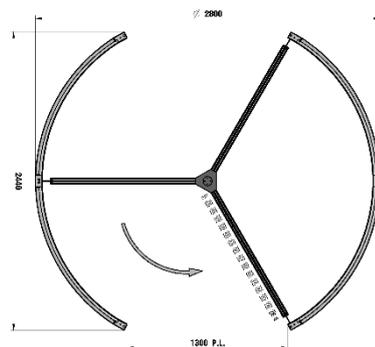
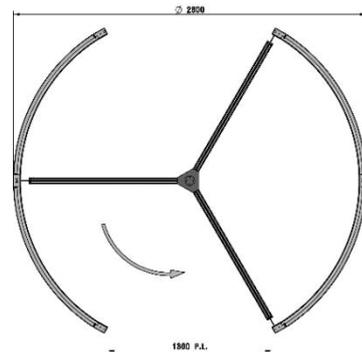
The revolving door **MCA-R 2800** is fitted with 3 wings placed at 120° 3 rotating sectors with a passage of 1250 mm in the point of access to the sector and with an overall diameter of the structure of **2800 mm**.

**STANDARD SIZE (MM)**

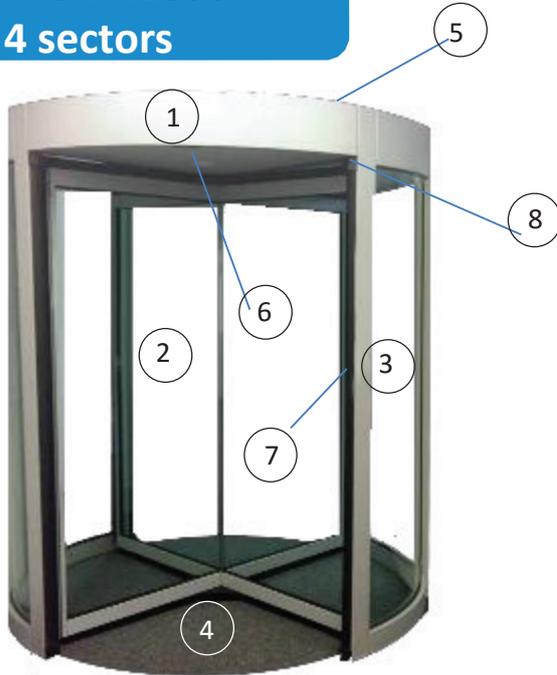


**STANDARD TECHNICAL CHARACTERISTICS**

Power supply	230-240v, 50-60Hz, 1A (if required 110v 60 Hz)
Mother board of control	Industrial PC built according to international standards. Linus S.O with serial port ;2 LAN,2 CAN BAS, 1 RS485, 1RS23,2USB, 1 mini USB
Geared motor	24 Vdc
Torque limiter	Electronic
Speed	Programmable 4 to 7 rotations/m
Passages (out of action time of the access control device)	16 to 28 users / minute in one direction, entry. 32 to 56 users / minute in both directions, entry exit.
Power consumption	200 W
Weight	1500 to 1600 Kg depending on the type of glasses
Operating t°	from - 10° a + 45°
Max relative humidity	90% without condensation
Shock resistance	IK09 (housing)
MCBF	2 Mio mean cycles between failures,when respecting recommended maintenance
CE	Conforms to European norms

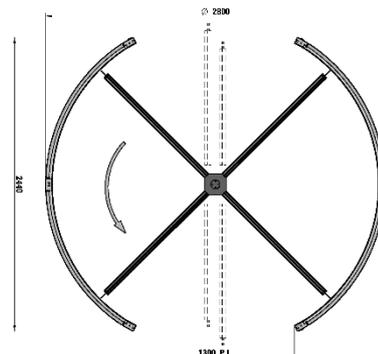
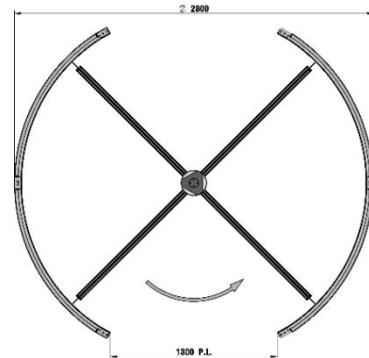


**REVOLVING DOOR**  
**MCA-R2800**  
**4 sectors**



The revolving door **MCA-R 2800** is fitted with 4 wings placed at 90° rotating sectors with a passage of 1800 mm in the point of access to the sector and with an overall diameter of the structure of 2800 mm.

**STANDARD SIZE (MM)**



**STANDARD TECHNICAL CHARACTERISTICS**

Power supply	230-240v, 50-60Hz, 1A (if required 110v 60 Hz)
Mother board of control	Industrial PC built according to international standards. Linus S.O with serial port ;2 LAN,2 CAN BAS, 1 RS485, 1RS23,2USB, 1 mini USB
Geared motor	24 Vdc
Torque limiter	Electronic
Speed	Programmable 4 to 7 rotations/m
Passages (out of action time of the access control device)	16 to 28 users / minute in one direction, entry. 32 to 56 users / minute in both directions, entry exit.
Power consumption	200 W
Weight	1500 to 1600 Kg depending on the type of glasses
Operating t°	from - 10° a + 45°
Max relative humidity	90% without condensation
Shock resistance	IK09 (housing)
MCBF	2 Mio mean cycles between failures,when respecting recommended maintenance
CE	Conforms to European norms

**REVOLVING DOOR**  
**MCA-R3200**  
**3 sectors**

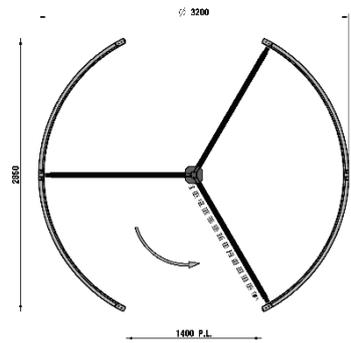
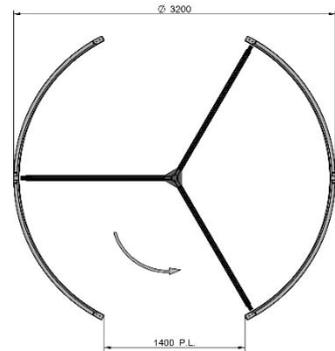
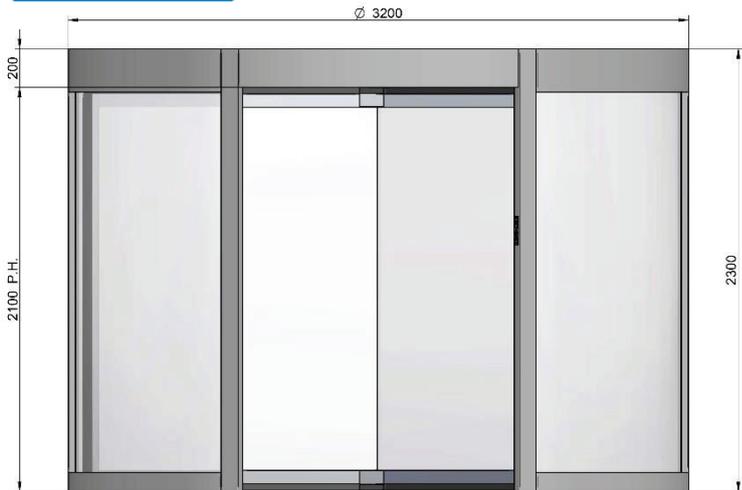


**STANDARD TECHNICAL CHARACTERISTICS**

Power supply	230-240v, 50-60Hz, 1A (if required 110v 60 Hz)
Mother board of control	Industrial PC built according to international standards. Linus S.O with serial port ;2 LAN,2 CAN BAS, 1 RS485, 1RS23,2USB, 1 mini USB
Geared motor	24 Vdc
Torque limiter	Electronic + sensor
Speed	Programmable 4 to 7 rotations/m
Passages (out of action time of the access control device)	16 to 28 users / minute in one direction, entry. 32 to 56 users / minute in both directions, entry exit.
Power consumption	200 W
Weight	1800 to 1900 Kg depending on the type of glasses
Operating t°	from - 10° a + 45°
Max relative humidity	90% without condensation
Shock resistance	IK09 (housing)
MCBF	2 Mio mean cycles between failures,when respecting recommended maintenance
CE	Conforms to European norms

The product **MCA-R3200** is fitted with 3 wings at 120° creating 3 rotating sectors with a passage of **1400 mm** in the point of access to the sector and with an overall diameter of **3200 mm**.

**STANDARD SIZE (MM)**



**REVOLVING DOOR**  
**MCA-R3200**  
**4 sectors**

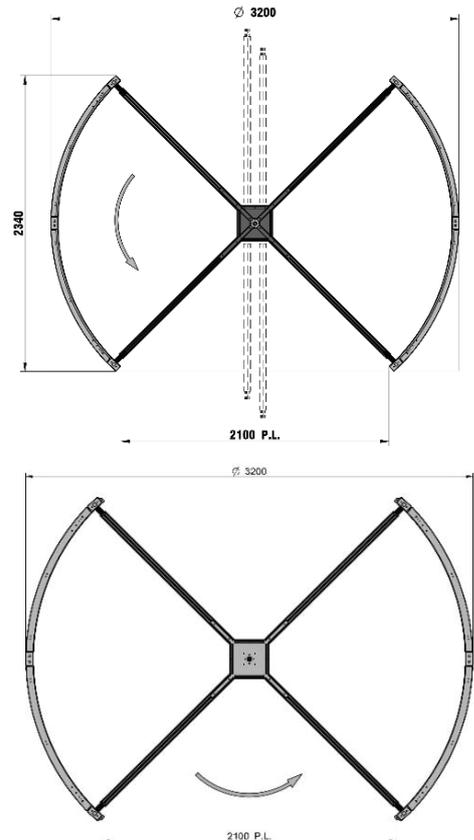
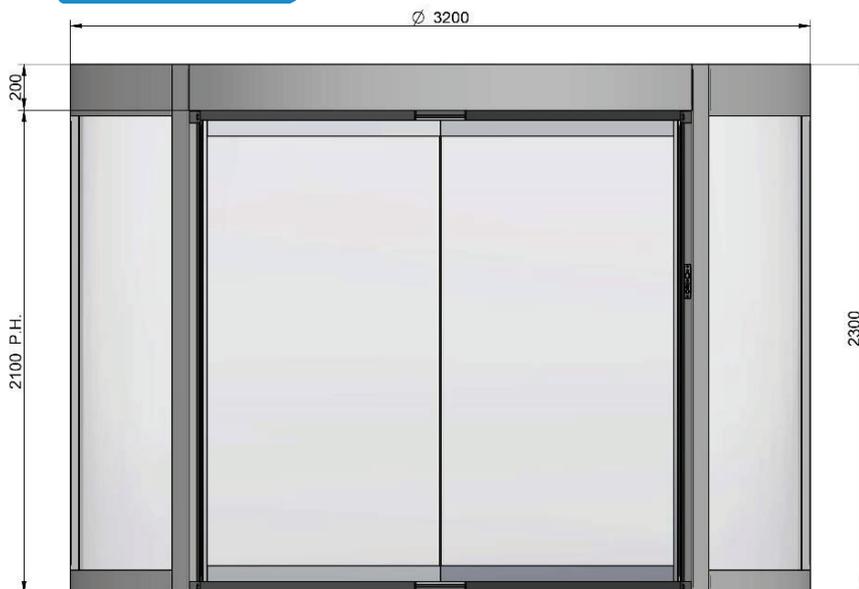


The product **MCA-R3200** is fitted with 4 wings at 90° creating 4 rotating sectors with a passage of **2100 mm** in the point of access to the sector and with an overall diameter of the structure of **3200 mm**.

**STANDARD TECHNICAL CHARACTERISTICS**

Power supply	230-240v, 50-60Hz, 1A (if required 110v 60 Hz)
Mother board of control	Industrial PC built according to international standards. Linus S.O with serial port ;2 LAN,2 CAN BAS, 1 RS485, 1RS23,2USB, 1 mini USB
Geared motor	24 Vdc
Torque limiter	Electronic + sensor
Speed	Programmable 4 to 7 rotations/m
Passages (out of action time of the access control device)	16 to 28 users / minute in one direction, entry. 32 to 56 users / minute in both directions, entry exit.
Power consumption	200 W
Weight	1800 to 1900 Kg depending on the type of glasses
Operating t°	from - 10° a + 45°
Max relative humidity	90% without condensation
Shock resistance MCBF	IK09 (housing) 2 Mio mean cycles between failures,when respecting recommended maintenance
CE	Conforms to European norms

**STANDARD SIZE (MM)**

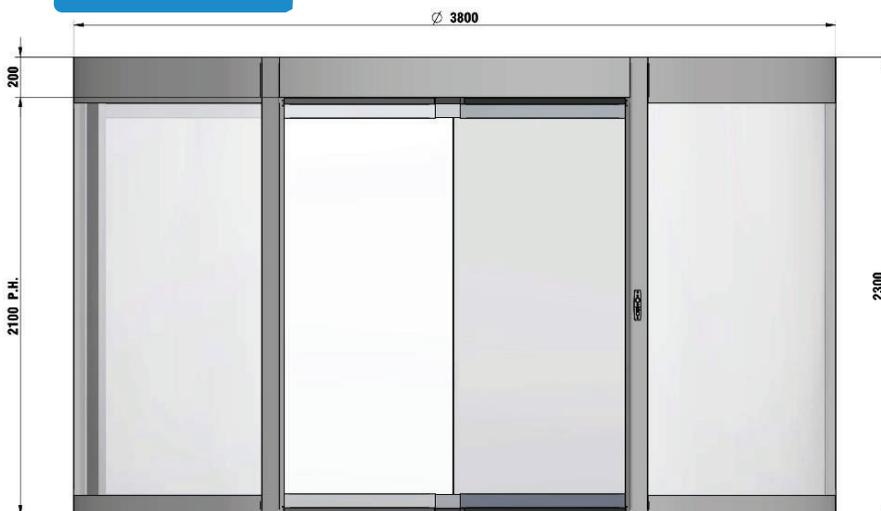


**REVOLVING DOOR**  
**MCA-R3800**  
**3 sectors**



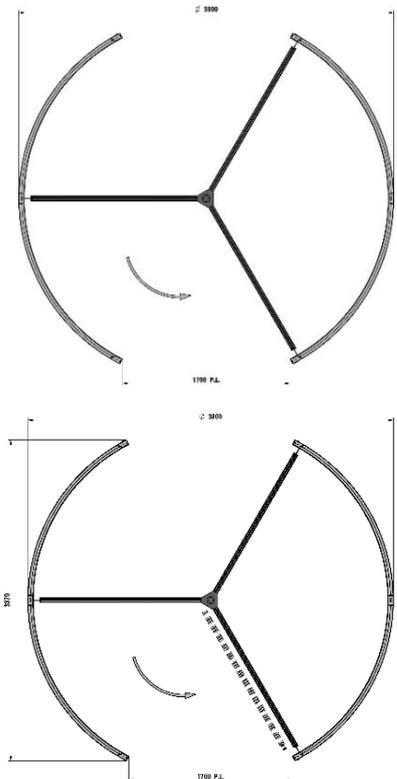
The product **MCA-R3800** is fitted with 3 wings at 120° creating 3 rotating sectors with a passage of **1750 mm** in the point of access to the sector and with an overall diameter of the structure of **3800 mm**.

**STANDARD SIZE (MM)**



**STANDARD TECHNICAL CHARACTERISTICS**

Power supply	230-240v, 50-60Hz, 1A (if required 110v 60 Hz)
Mother board of control	Industrial PC built according to international standards. Linus S.O with serial port ;2 LAN,2 CAN BAS, 1 RS485, 1RS23,2USB, 1 mini USB
Geared motor	24 Vdc
Torque limiter	Electronic + sensor
Speed	Programmable 4 to 7 rotations/m
Passages (out of action time of the access control device)	16 to 28 users / minute in one direction, entry. 32 to 56 users / minute in both directions, entry exit.
Power consumption	200 W
Weight	2000 to 2100 Kg depending on the type of glasses
Operating t°	from - 10° a + 45°
Max relative humidity	90% without condensation
Shock resistance	IK09 (housing)
MCBF	2 Mio mean cycles between failures,when respecting recommended maintenance
CE	Conforms to European norms



**REVOLVING DOOR**  
**MCA-R3800**  
**4 sectors**

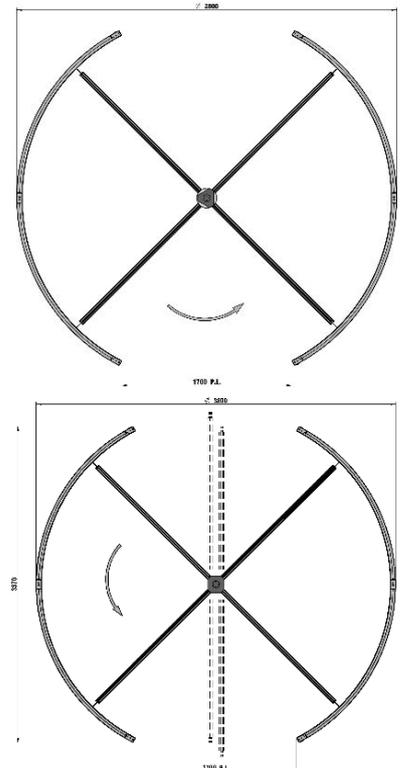
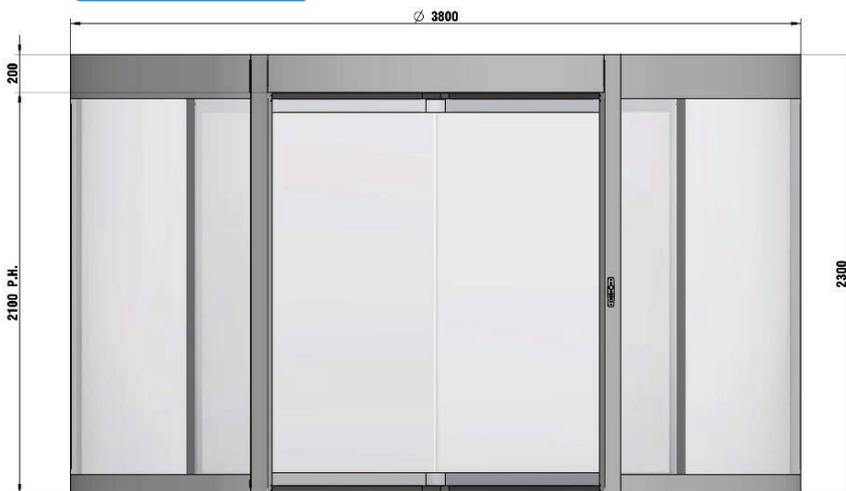


**STANDARD TECHNICAL CHARACTERISTICS**

Power supply	230-240v, 50-60Hz, 1A (if required 110v 60 Hz)
Mother board of control	Industrial PC built according to international standards. Linus S.O with serial port ;2 LAN,2 CAN BAS, 1 RS485, 1RS23,2USB, 1 mini USB
Geared motor	24 Vdc
Torque limiter	Electronic + sensor
Speed	Programmable 4 to 7 rotations/m
Passages (out of action time of the access control device)	16 to 28 users / minute in one direction, entry. 32 to 56 users / minute in both directions, entry exit.
Power consumption	200 W
Weight	2000 to 2100 Kg depending on the type of glasses
Operating t°	from - 10° a + 45°
Max relative humidity	90% without condensation
Shock resistance	IK09 (housing)
MCBF	2 Mio mean cycles between failures,when respecting recommended maintenance
CE	Conforms to European norms

The product **MCA-R3800** is fitted with 4 wings at 90° creating 4 rotating sectors with a passage of **2550 mm** in the point of access to the sector and with an overall diameter of the structure of **3800 mm**.

**STANDARD SIZE (MM)**





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