

# ORBIX

MOTORISED SECURITY REVOLVING DOOR FOR  
INTERNAL/SEMI EXTERNAL INSTALLATION



**cominfo**

By **GUNNEBO** Entrance Control

# ORBIX

Orbix is a premium security product in the COMINFO Turnstiles offering. It is an elegant design able to maintain visible the existing finished floor, offering a choice of security levels preventing tailgating and piggybacking.

As option, is available a basic anti piggy backing APB providing an adequate compromise on performance and price, and also an advanced APB optional system for a greater performance and passage flow.

It offers simultaneous authorised entry and exit and both directions are electronically controllable. On receiving a signal from the access control system or push button, the door wings rotate to allow authorised passages. Should the authorised user not use the first available sector, the Orbix will allow valid entry through the next sector. Orbix enforces both rejecting and alarming upon potential unauthorised use and avoids entrapment. Orbix also prevents unauthorised passage from the opposite direction whilst a valid passage is being made in the other direction. This is achieved via sensors located in the ceiling that continuously monitor all door sector.

Safety is guaranteed by adjustable torque sensing and safety edges for the forward and reverse directions. Emergency wing break-out facility is available.

Orbix offers as standard a day-mode functionality selectable in entry or exit or both directions to leave a free passage and turn security to the highest degree when needed.

All parameters and functionalities are programmable via a user friendly tablet interface.

A complete list of accessories and options, includes manual or motorised night shutters, and a wide selection of finishes and dimensions.

# TECHNICAL SPECIFICATIONS

## MATERIALS

<b>FRAME AND CORNICE</b>	Embossed painted steel section powder coated finish RAL color 9006
<b>FRAME GLAZING</b>	11/12 mm laminated safety glass P4A BR1/S (in accordance with EN356-EN1063)
<b>ROTOR WINGS</b>	Aluminium frame, finish silver RAL 7040. 11/12 mm laminated safety glass P4A BR1/S (in accordance with EN356-EN1063) – sa- fety manifestations on moving glass wings
<b>CEILING</b>	Laminated HPL finished Pearl Grey

## DRIVE

Motorised security revolving door. Safety torque sensing. Logic voltage 24V DC.

## WALKWAY DOWN LIGHTS

3N° in 3 sector and 4N° in 4 sector recessed low voltage. Mains LED down lights are positioned within the ceilingover each quadrant.

## TECHNICAL DATA

<b>POWER SUPPLY</b>	230Vac 50Hz or 115 Vac 60 HZ
<b>POWER RATING</b>	230V AC – 1,4 A/115V AC – 2,8 A
<b>LOGIC VOLTAGE</b>	24V DC
<b>OPERATING TEMP.</b>	From 0° to 50°
<b>IP RATING/MCBF/MTTR</b>	IP33/1,5M cycles / less than 30 min
<b>FLOW RATES</b> (approx. figures)	Proximity Reader: "Hands Free", 48 pass- ages per minute <sup>(simultaneously in both directions)</sup> Pin Pad: 30 passages per minute <sup>(simultaneously in both directions)</sup> Proximity Reader + Pin Pad: 20 passages per minute <sup>(simultaneously in both directions)</sup>

## POWER FAILURE / FIRE ALARM

The wings will rotate by the inbuilt battery back up (BBU) to the safe position in order to allow to escape from each sector and stop and become inactive. The door will remain in this position until power is restored. A normally closed (NC) signal is required from others to effect this state.

## MODELS

<b>3 WINGS</b>	1500 mm Internal diameter
<b>3 / 4 WINGS</b>	1600 / 1800 / 2000 / 2180 mm Internal diameter

## BENEFITS

Premium high security solution  
Elegant design  
Efficient low management

## OPTIONS

Alternative finishes and materials  
Breakout wings  
External night shutters  
Net height 2.3 – 2.5 [m]  
Floor carpet (grey)  
APB\* system – BASIC or ADVANCED  
Anti-panic push button  
Card reader integration  
Push button control  
Status light pictograms  
Metal Detector<sup>(MD)</sup> only for 1600 4 wings  
BR2 BR3 BR4 EN1063  
RC2 RC3 RC4 EN1627

## APPLICATIONS

Government  
Banking  
Research & Science  
Education  
Information Technology  
Telecommunications

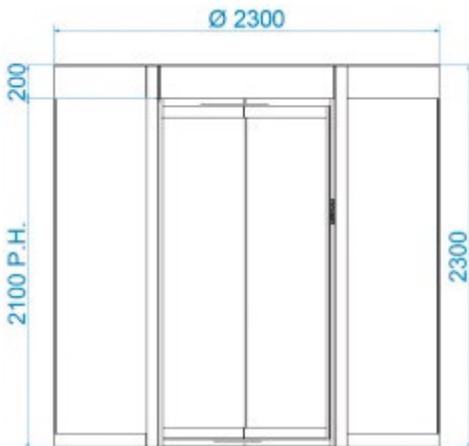
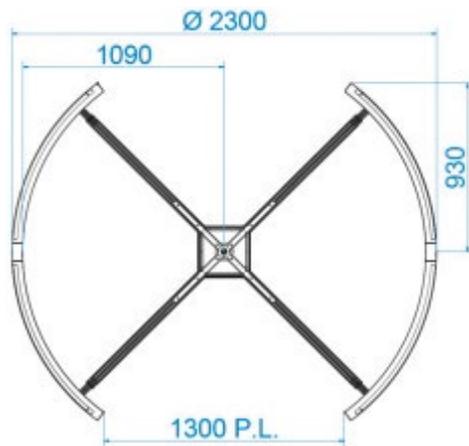
# SITE PREPARATION:

## ORBIX 2180 4 WINGS

Product is delivered in a kit form and requires lifting equipment. Approx. Weight 1040 kg (for installation details, please refer to installation layout drawings).

Concrete Base to specification at least (cube) 30N/mm<sup>2</sup> of resistance. Base to be flat and level to +/- 5 mm over footprint area.

Dimensions to be > 2250 × 2250 × 150 deep min. (units in mm).

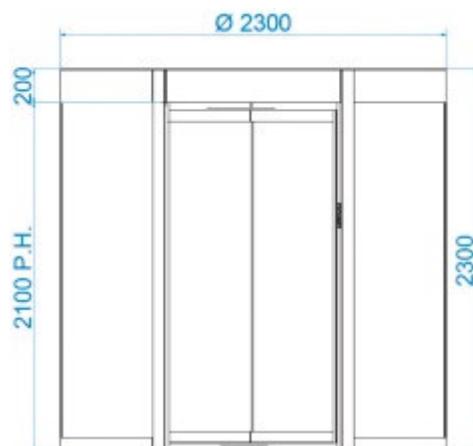
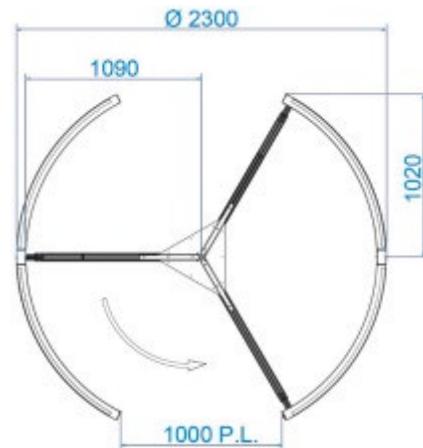


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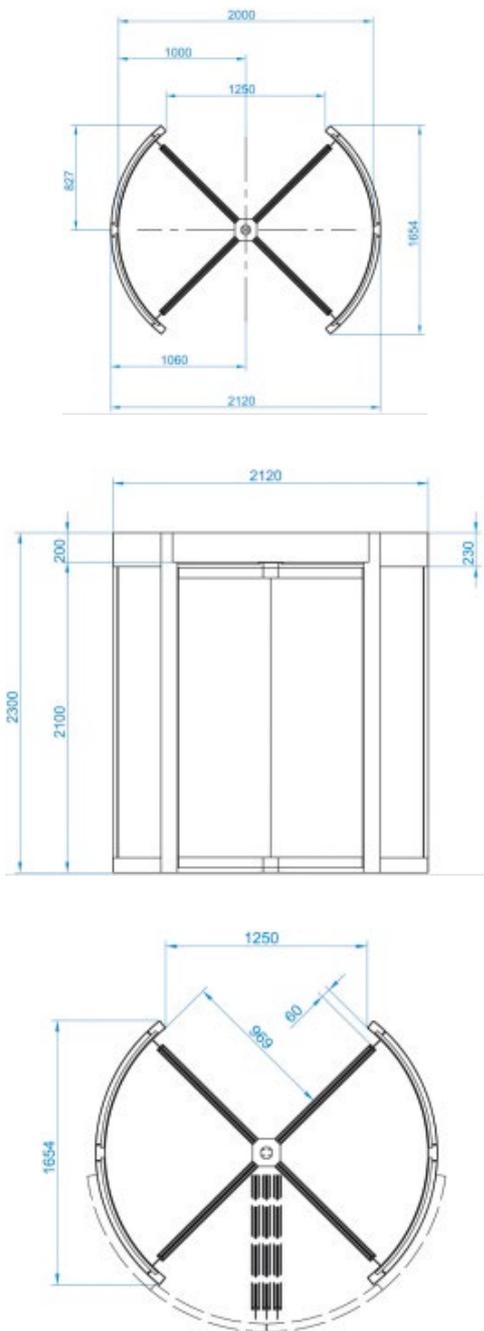
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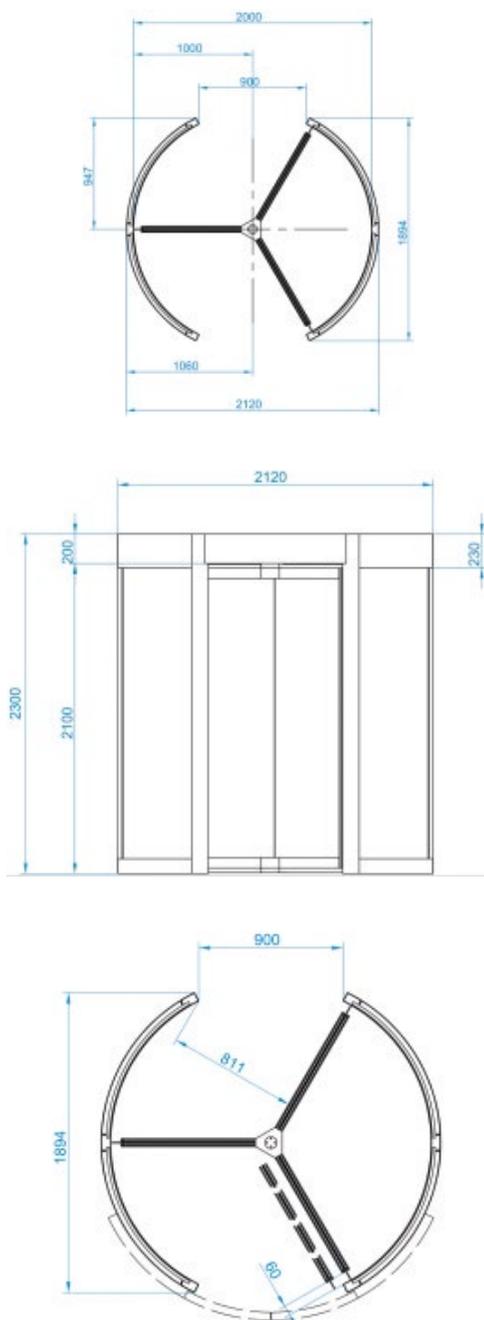


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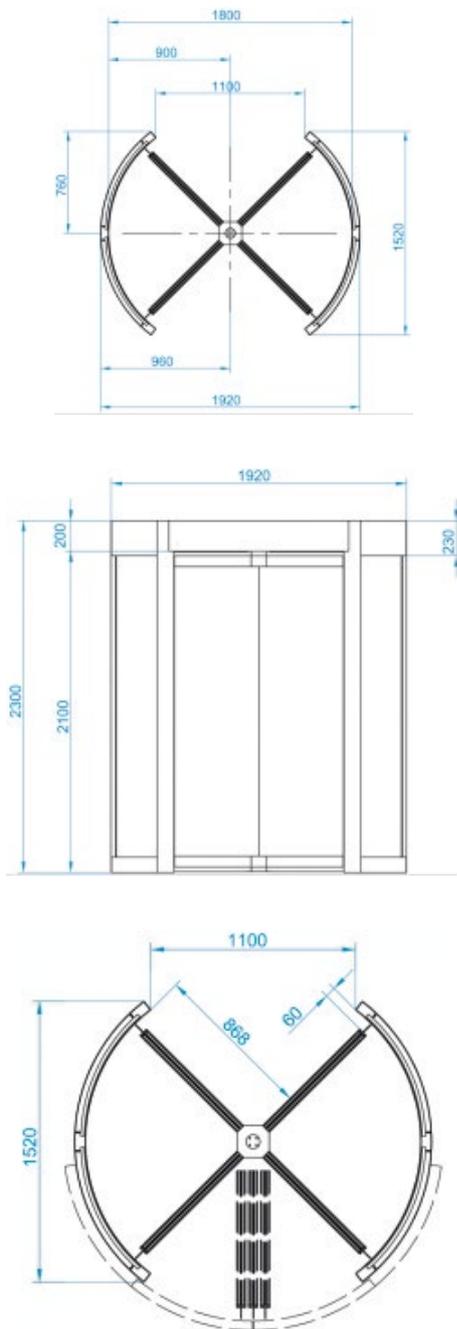
# SITE PREPARATION:

## ORBIX 1800 4 WINGS

Product is delivered in a kit form and requires lifting equipment. Approx. Weight 780 kg (for installation details, please refer to installation layout drawings).

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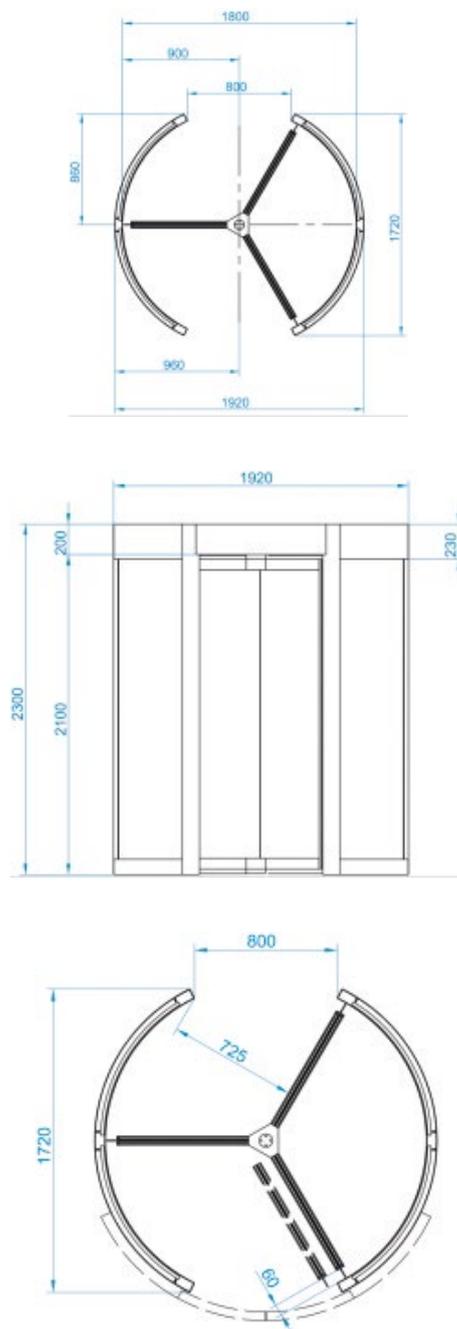


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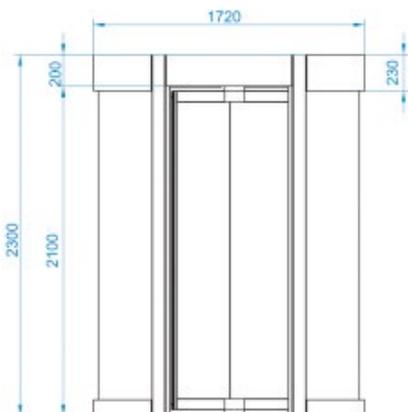
# SITE PREPARATION:

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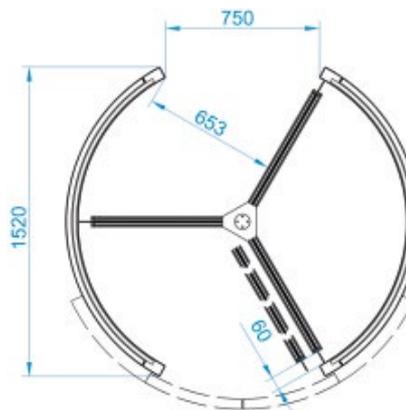
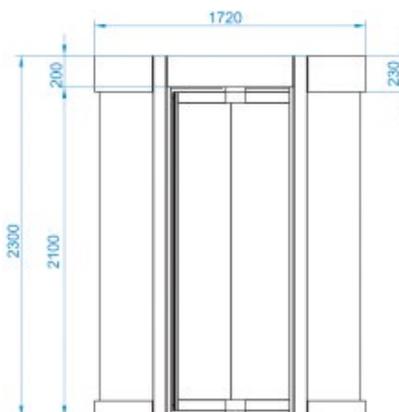
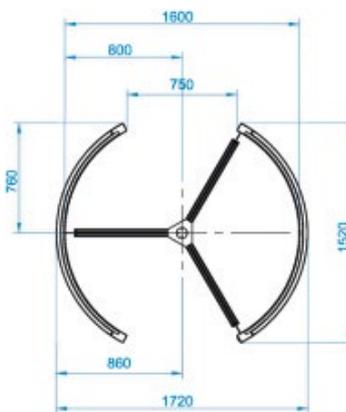


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**IMPORTANT:** Any horizontal pipe or conduit running below the Orbix must be at least 140mm below FFL. Metal conduit for cables should be raised at least 50mm from foundation. It is the customer's responsibility to ensure the structural integrity and strength of the installation location. The dimensions given in this Product Data Sheet are for information only. In order to prepare the installation site, please refer to your usual COMINFO Customer Service contact.

**CONDITIONS OF USE:** When using COMINFO's security access control gates, for security reasons, children must be supervised by an adult at all times.



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