



Orbit TriSens

In Rhythm with Life

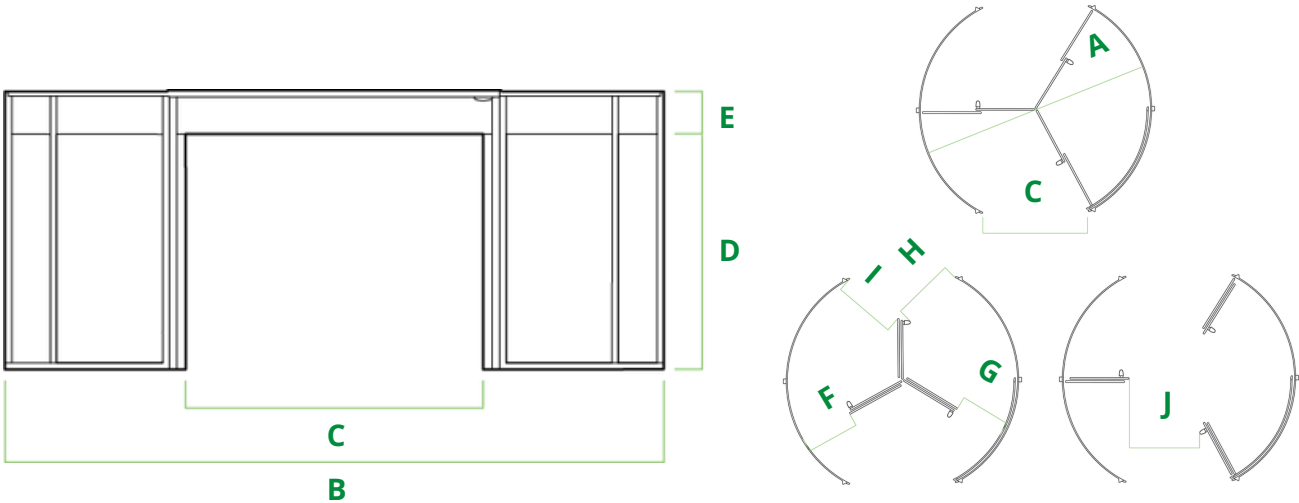
Adaptive to every **movement**.
Naturally evolving with you.

2 The Orbit TriSens is engineered with the flexibility to adapt to its surroundings and provide users with the most welcoming and carefree experience when entering a building. This substantial entrance solution boasts signature seamless glazed drum walls - fashioned into two iconic entrance portals that have been engineered to reflect and blend with the surrounding aesthetics.

Dimensions and specifications

A	B						C	D	E	F	G	H	I	J
Internal Diameter (mm)	External Diameter (mm)	Capacity / Minute	Number of Door Wings	Disabled Access	User Type	Escape Route*	Throat Opening (mm)	Height Under Canopy (HUC)	Canopy Height (mm)	Passage Width (Emergency Open Mode) (mm)				Passage Width (Large Object mode)
4800	5015	2 x 54	3				2140	2100, 2300, 2400	400	1090	1010	1255	1280	1390
6000	6215	2 x 72	3				2740	2100, 2300, 2400	400	1390	1310	1640	1630	1830

* Escape route requirements are subject to local regulations

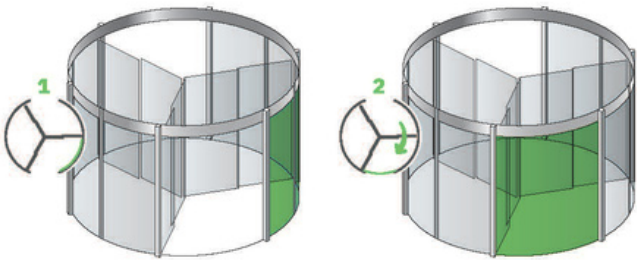


Level Up options

- Air curtains
- Coating in RAL, NCS or Anodic colours
- Mid-post position in facade
- Floor mats
- Insulation package
- Low-temperature package
- LED colour temperature (3000k or 4000k)
- Extra glass protection (high thresholds on curved walls and door set glazing)
- Automated emergency exit
- Emergency stop outside. (in addition to the standard one inside)
- External remote control (Touchm2)

Shield door locking options

- Remote shield locking doors
- Manual shield door lock release (for use during power failures)



Emergency escape

When the escape route function is activated, the outer sliding doors move to the centre, creating the widest possible passage. In an emergency, this mode provides a clear and reliable route that supports fast and intuitive evacuation.

Once the situation is resolved, the emergency exit function resets automatically with the push of a button, removing the need for manual handling or folding door wings back, as required with traditional collapsible door sets.

Compliance

The Orbit TriSens complies with the following European standards:

2006/42/EU: Machinery Directive, Annex II-1A

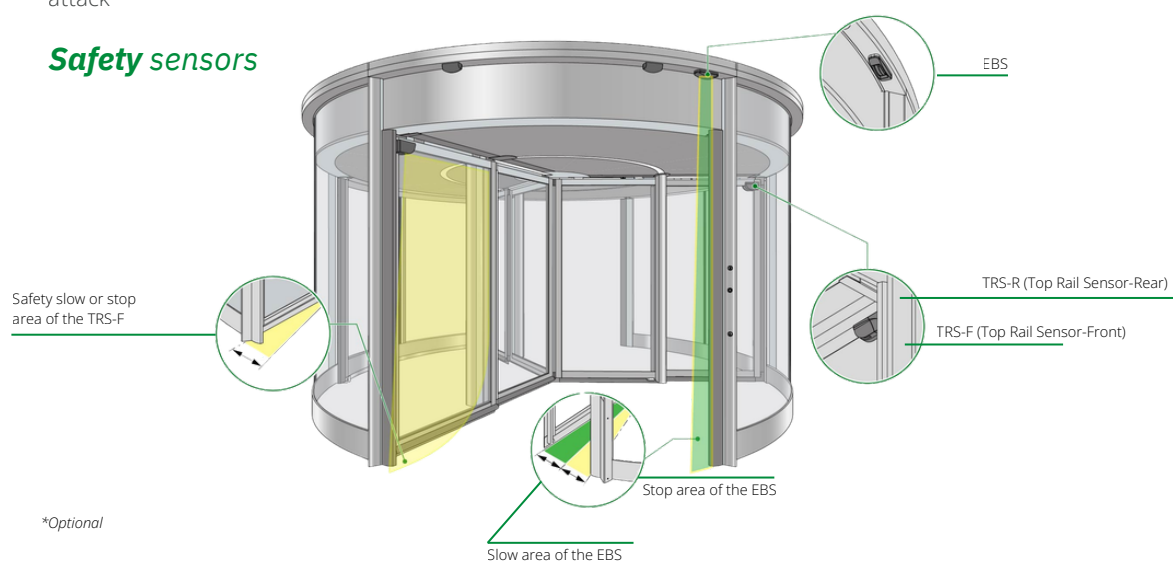
2014/30/EU: EMC Directive

2011/65/EU: RoHS Directive

EN16005: Safety in use for power-operated pedestrian doors.

EN356: Testing and classification of resistance against manual attack

Safety sensors



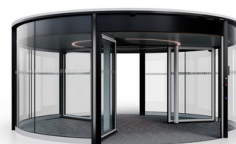
Operating modes



Revolving door mode



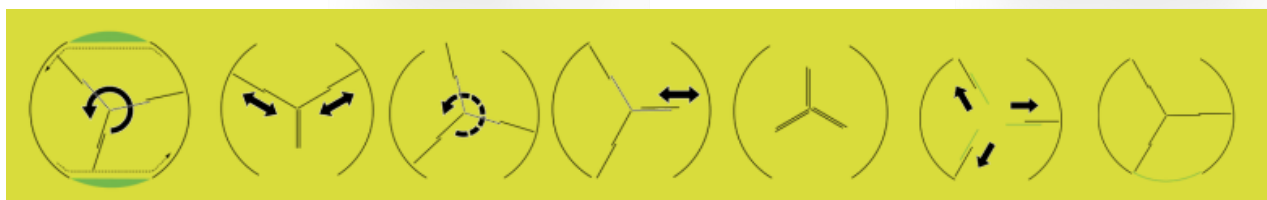
Emergency open mode



Large object mode



Locked mode



Revolving door mode

Sliding door mode

Accessibility modes

Emergency open mode

Large object mode

Locked mode

Technical specifications

Power supply: 200-240 VAC, 50/60 Hz. RCD type F, MCB characteristic C.

Fuse: External power supply fused with 16A slow

Motor: AC motor, 3-phase

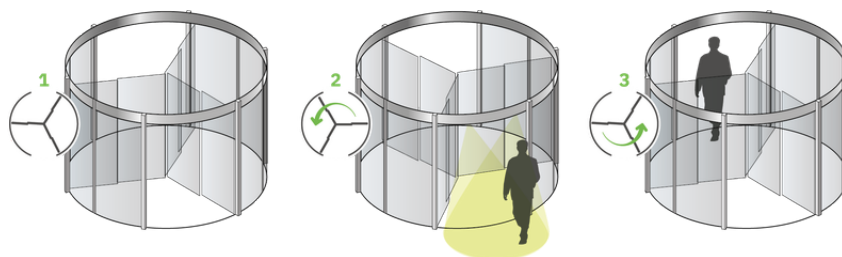
Power consumption

Operating: 550W (diameter 4800), 600W (diameter 6000)

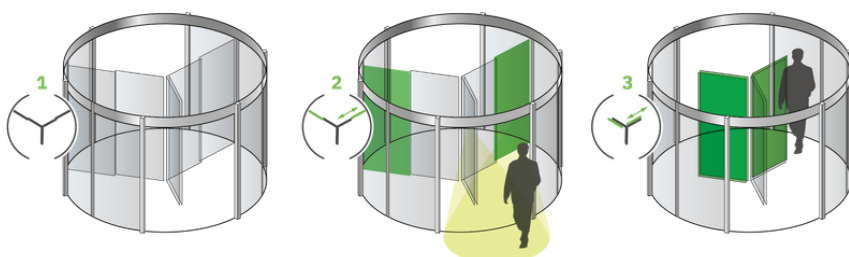
Stationary: 200W

Ambient temperature: -15°C to +40°C

4 Working principle - **Revolving door mode**

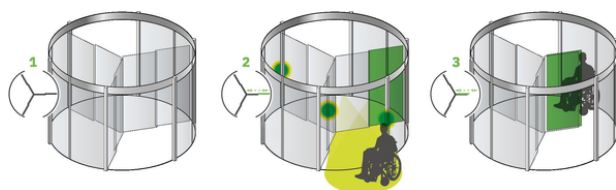


Working principle - **Sliding door mode**

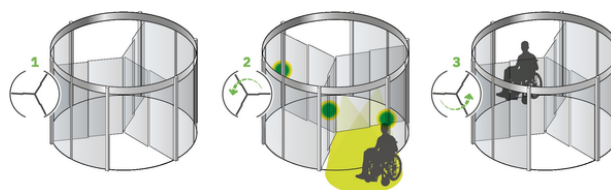


Working principle - **Accessibility modes**

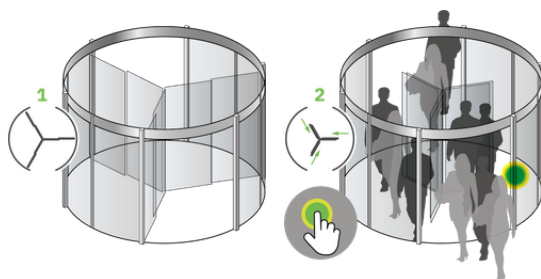
[1] Sliding Door



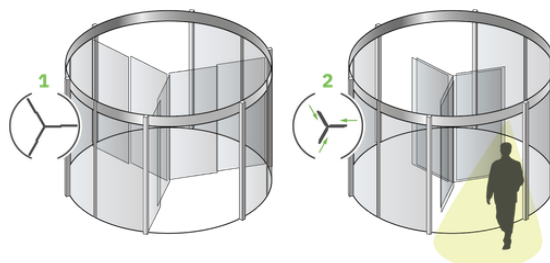
[2] Slow Revolving



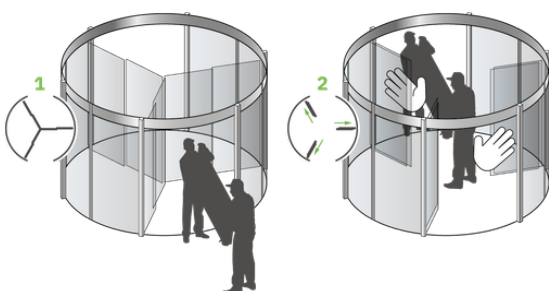
Working principle - **Emergency open mode**



Working principle - **Open mode**



Working principle - **Large object mode**



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