

# Circleslide



## The elegant curved sliding door

The Circleslide is a curved automatic sliding door that gives a sensation of space to those entering it. The softly arched door sets offer a wider door opening than normal sliding doors, providing enough space for people with large luggage as well as disabled access. The Circleslide is fully transparent and its curved appearance makes it an impressively stylish entrance that will complement any architectural design.

### Universal entrance solution

The Circleslide is available in a wide variety of configurations. It consists of two sets of curved, bi-parting sliding doors. Each door set can be programmed and operated individually. Self learning technology ensures that the Circleslide operates smoothly and quietly.

You will often find the Circleslide in offices, hotels and restaurants and many types of public buildings.

# Working principle

The Circleslide is a fully round door with two sets of curved bi-parting sliding doors. It comes with two easy to use control panels that are mounted either on the door itself or at an external location such as a reception desk. The door sets can be programmed individually to account for all possible situations.

The following modes are available on the control panel:

## Automatic mode

If a person approaches the first set of sliding doors, they will automatically open. The visitor can now enter the door. The second door set will then automatically open, welcoming the visitor into the building. The cycle ends when both door sets close again behind the visitor.

## One-way mode

The Circleslide only allows people to leave the building.

## Winter mode

In this mode the Circleslide will operate as in automatic mode but with a reduced opening in order to save energy.

## Night mode (closed)

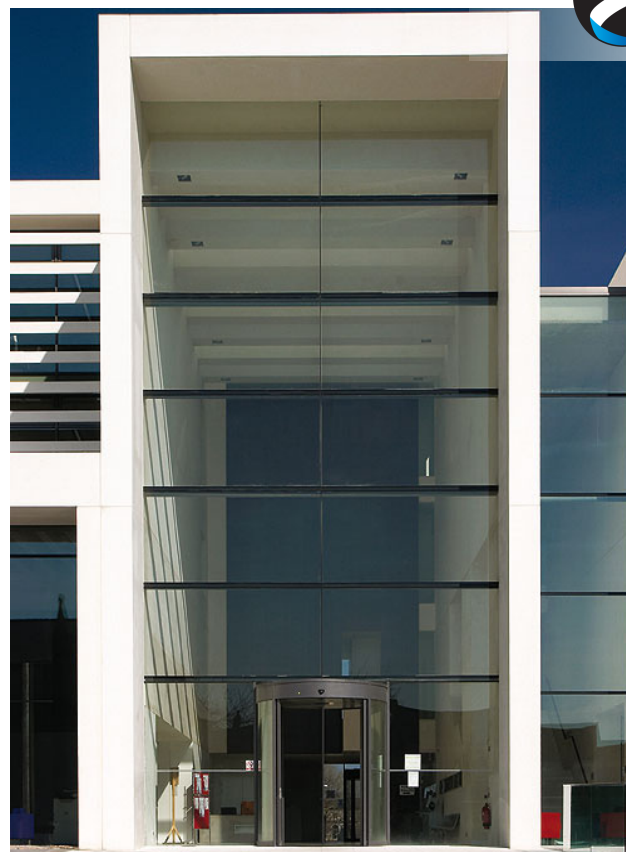
In this mode both door sets are closed. For safety purposes the door can be opened by using the push button on the inside (optional) or once by turning the key switch on the outside.

## Permanently open mode

The Circleslide moves to the open position and remains in this position.

## Interlocking mode (optional)

The Circleslide can be fitted with a microprocessor-controlled interlocking function. During normal operation only one door set at a time will be opened. The second door set will only open after the first one has closed. This will prevent draught in your building. In order to prevent queues in front of a closed Circleslide during particularly busy periods, the interlocking function can be deactivated by means of a key inside the Circleslide.



# Flexible design

**The Circleslide has many options in design and surface finish and can be manufactured to match or complement a wide variety of interiors and facades.**

## Finish

The frame and door sets can be finished in powder coated or anodised aluminium. Alternatively, the Circleslide can be clad with stainless steel, bronze, brass or other metals.

## Construction

The Circleslide is available with either solid or glass curved walls. Solid walls are constructed from high grade aluminium sandwich panels. Glass walls provide a more spacious and transparent feel and are constructed from slim aluminium profiles with laminated glass.

## Night locking

The Circleslide is fitted with an electromechanical lock in order to lock the door. It can be unlocked with a key or by means of an optional key impulse switch.

## Options

- Interlocking mode
- Connection to external alarm system (e.g. fire alarm, smoke detector)
- Push button free out
- Key impulse switch
- Mechanical hookbolt lock
- Glass protection sheets
- Ceiling lighting with LED or halogen lamps
- Roof covering for outside use
- Air curtain
- Floor mats







## Safety features

At Boon Edam, we put safety first. We know that user safety and emergency exit requirements are important when designing your entrance. That is why our products are created with these demands in mind. All Boon Edam products are designed to comply with or exceed safety standards and regulations.

### User safety

A number of safety features is incorporated in the Circleslide:

- *Motion and presence sensor*  
This sensor has two functions:
  - Detect obstacles between the sliding doors in order to prevent persons or objects being hit by the sliding doors.
  - Detect the motion of people in the Circleslide. If the sensor is activated the sliding door opens automatically.
- *Stop and reverse mechanism*  
If the motion and presence sensor encounters an obstacle, the stop and reverse mechanism ensures that the sliding doors stop or open immediately. The sliding doors will then slowly check that their path is free after which they will return to their normal speed.
- *Emergency push button*  
If an emergency of any type occurs this button can be activated to immediately stop both door sets.
- *Side wing sensor (optional)*  
The curved sliding movement of the Circleslide is protected by a special sensor, which gives an audible signal to warn people who are standing inside the door, in order to prevent accidents.

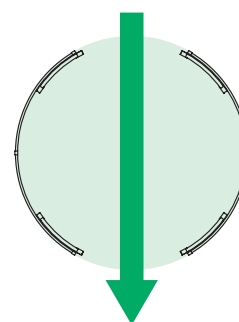
*‘Its curved doors give the Circleslide  
an elegant and stylish appearance’*

### Emergency Escape

The Circleslide can be used as an escape route in emergency situations. Both door sets will open automatically in case of an emergency if the Circleslide has been connected to for example a fire alarm\*.























In case of a power failure, both sliding door sets have been equipped with an emergency power supply to maintain normal operation.

\* Escape route requirements are subject to local regulations



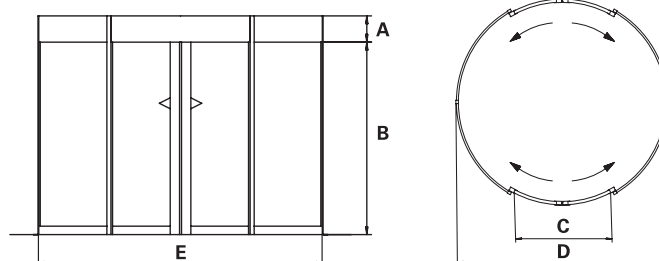
Evacuation path

## Standard dimensions

<i>D</i> Diameter (mm)	<i>C</i> Throat opening (mm)	<i>E</i> Installation width (mm)	Escape route <sup>1</sup>	Disabled Access
1800	1029	1877		
2000	1172	2077		
2200	1314	2277		
2400	1457	2477		
2600	1599	2677		
2800	1741	2877		
3000	1883	3077		
3200	1343	3277		
3400	1443	3477		
3600	1543	3677		
3800	1643	3877		

<sup>1</sup> Escape route requirements are subject to local regulations.

Diameter	<i>A</i> Canopy Height (mm)	<i>B</i> Height under canopy (mm)
All Diameters	300 - 600	2200 - 2600



## Technical Specifications

Power supply	200-240 VAC, 50/60 Hz
Power consumption	
Operating	50 W
Stationary	30 W
Lighting	48 W (LED) 80 W (Halogen)
Ambient temperature	-20°C to +50°C
Fuse	External power supply fused with 10 A Slow
Function	Range
Closing speed	2-50 cm/s
Winter opening width <sup>1</sup>	20 cm-100%
Door open time	0-20 s
Opening speed	3-70 cm/s

<sup>1</sup> In the 'permanently open' mode, the ONLINE winter opening width is used.

## High Quality

At Boon Edam, we take quality seriously. Quality of the materials we use, quality of our employees as well as our partners. As with all Boon Edam products, the Circleslide is manufactured to the highest standards, is CE approved and complies with international regulations and guidelines, including but not limited to: the Machine Directive (2006/42/EC), the EMC-directive (2004/108/EC), the Low Voltage directive (2006/95/EC) and European Glass standard EN356.

Many Boon Edam sliding doors have been approved by the Dutch Council of the Chronically Ill and the Disabled as being accessible for disabled people. When you install a Circleslide in your building, your entrance will meet the requirements of the international accessibility symbol (ITS).



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CS-022011-GBR-959031222