

High-capacity revolving door

ASSA ABLOY RD600

(2-wing)

ASSA ABLOY
Entrance Systems

Experience a safer
and more open world



Welcome pedestrians with strollers or wheelchairs while maintaining a steady indoor climate with the largest 2-wing revolving door available.

A door that knows how to make an entrance

The ASSA ABLOY RD600 revolving door provides a wide and welcoming entrance that eliminates draughts and safeguards indoor climate against unwanted air infiltration — while reducing energy consumption and costs. Regular maintenance, additional sensors, and add-ons can further improve sustainability while prolonging the door's life.

Exclusive revolving door configuration

The two large compartments of the RD600 offer the widest and safest choice for entrances that must handle high-pedestrian traffic and enable unimpeded access. The shape also allows for the placement of numerous safety devices in both the horizontal and vertical planes, thus giving said safety devices the longest possible fields without hindering traffic flow.

Along with its unique size, the RD600 can be designed with an automatic sliding or swing door in the center of the unit. When in operation, the sliding or swing doors give the same clear opening width as the throat opening of the outer drum.

Proven design and versatility

The drive system of the ASSA ABLOY RD600 is located on the inside of the fascia so as to take stress of the unit and reduce maintenance costs in the long run. The geometry of the rotating section lets the trailing edge retain much of the air within while a flat surface enhances the user's safety with multiple safety devices.

The RD600 can be placed and fixed directly onto a finished floor surface provided the foundations are level and can bear the weight of the door. The 2-wing configuration makes night security doors unnecessary as the rotating section can be parked and locked in the closed position.

Available in different diameters and with clockwise or counterclockwise rotation, the versatility of the RD600 gives it global use — from airports and hospitals to hotels, banks, offices, supermarkets and more.



User safety and accessibility is priority

In high-traffic areas it's critical to offer an entrance which is safe and accessible for everyone, with the RD600's number one priority being user safety. Both the rotating section and the outer walls include touchless presence detectors and soft safety edges in the vertical and horizontal planes, while the system itself is also touchless. If the rotating section meets a stationary or slow-moving object, the door automatically slows down and, if necessary, stops.

Additional safety features*:

- Emergency safety unit powered by a constantly monitored backup battery
- Automatic emergency positioning of the door for an unobstructed evacuation path
- Touchless sensors placed vertically above the entrances
- Compressible vertical/horizontal safety switches placed on the leading edges of the rotating section
- Touchless safety sensors placed in the ceiling of the rotating section
- Center door leaves with break-out function (swing door configuration)

**All ASSA ABLOY RD600 systems have been tested and certified by authorized/accredited laboratories. National standards may influence the choice of safety functions.*

A unique system giving you full control

The RD600 utilizes ASSA ABLOY's unique CDC control system, which has been designed to ensure the lowest operating and maintenance costs while providing optimal safety. The system employs automatic diagnostics stored in an event log. The combined control/drive system is located on the inside of the fascia to reduce stress on the unit.

In addition, the RD600 optimizes installation time and maintenance by coming equipped with the following:

- Program selector with access codes to operate the door
- Automatic system checkup upon installation
- Fast and safe adjustments and initial set up of all safety zones and speed settings
- Self-checking of safety systems
- Automatic indication of service intervals
- Automatic event log
- Automatic diagnostics

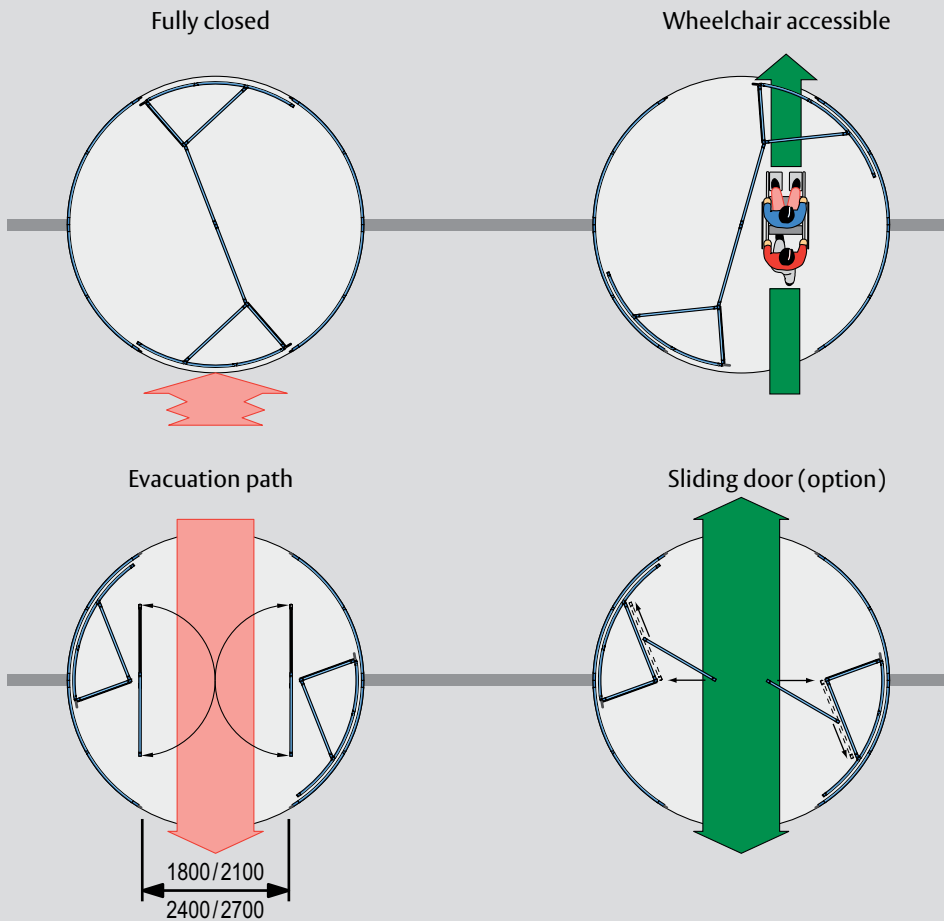
A range of operating modes available

With the password-protected program selector, choose between the following operating modes:

- Autostart from open
- Autostart from open, exit only
- Autostart from closed
- Auto start from closed, exit only
- Continuous rotation on low speed, automatic startup to high speed when pulse is activated
- Manual override, forward or reverse
- Closed (locked)
- Summer (open) position
- Programmable clock

A rotating advertising space for your brand or others

The rotating section of the ASSA ABLOY RD600 has two enclosed triangular sections. The position of these glass-covered enclosures makes them ideal for displays or advertising areas. By renting out these cubicles, it is possible to make a good return on the initial capital outlay. Meaning that the ASSA ABLOY RD600 not only saves on overheads by reducing demand for heating and air conditioning — it also creates further value with this unique advertising feature.



Indoor climate control with minimized ventilation effect

Unlike traditional 3 or 4-wing revolving doors, the unique 2-wing geometry of the RD600 does not create a ventilation effect. Instead, it minimizes outside air entering a building and inside air exiting a building, resulting in optimal energy savings and draught control. The RD600 can be equipped with self-contained climate control features operated by the CDC control system — thereby contributing to an even better indoor climate.

Evacuation path

Subject to local safety standards, building regulations and fire codes, the revolving door can also be linked to your fire alarm system with the supervised emergency safety unit. In case of an emergency or power outage, the doors will automatically rotate to the central passage position and stop. The center door leaves with break-out or automatic slide open function provide a clear and unimpeded evacuation path.

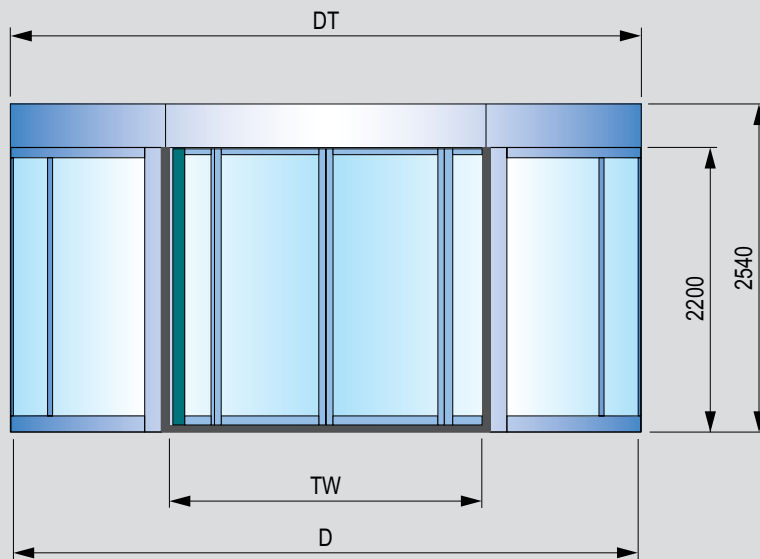
Please consult with your local ASSA ABLOY sales office for further guidance.

Additional functionality

During extremely high-traffic periods or high temperatures, the optional center sliding door leaves can be activated within seconds. The revolving drum is parked and does not rotate, allowing the door to be used as an automatic sliding door entrance to provide additional ventilation and access to the building.

Create accessibility for everyone

The ASSA ABLOY RD600 takes the dimensions of a wheelchair with an attendant into consideration and is unique in allowing the wheelchair virtual straight-line access through the unit. This straight-line access is also greatly appreciated by the elderly or people with disabilities.



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RD600-36	3600	3688	1800
RD600-42	4200	4288	2100
RD600-48	4800	4888	2400
RD600-54	5400	5488	2700

Rotation speed adjustment

High Speed	Adjustable between 1 and 3 rpm
Low Speed	Adjustable between 0.5 and 2.5 rpm

Standard equipment

Curved glass 4 + 4 mm clear laminated
Flat glass 3 + 3 mm clear laminated
Other types of glass available
Door sections of aluminium profiles
Center door leaves with break-out function
Ceiling of white laminated panels
Dust protection roof
CDC control unit built-in behind the fascia beside the inside entrance
Built-in activators

Technical specifications

Power supply	230 V, 50 Hz, mains fuse max 10 A, 100-120 V, 50/60 Hz, mains fuse max 16 A
Power consumption	400 W /30 W resting
Lighting LED 5 W	70 W

ASSA ABLOY RD600 complies with:

EN 60335-1
EN 60335-2-103
EN 61000-6-2
EN 61000-6-3
EN ISO 13849-1
EN 16005

Accessories and options

Powder-coated finish (RAL colors)
Anodizing, clear or bronze
Stainless steel cladding
Electromechanical lock
Mechanical lock
Extra program selector
Spotlights or downlights
Midrails
Sheet metal sandwich panel instead of glass
Water-resistant cover
Internal height non-standard (max. 2600 mm)
Fascia height non-standard (max. 1250 mm)
Reduced speed activated by push-button (for people with disabilities)
Motorized opening of center door leaves for service opening/smoke evacuation
Sliding doors in center
Direction sensing radar
Climate control
Clockwise rotation
ASSA ABLOY air curtain system

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**CERTIFIERING
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This equipment should be installed, regularly inspected, maintained and serviced by trained and authorized personnel. Preventive maintenance plans are highly recommended for a proper and safe operation. Talk to your ASSA ABLOY Entrance Systems representative to learn more about our service offering!