



*High Speed Bi Parting Doors*



**INTERDOOR**  
SPECIALIST INDUSTRIAL DOORS

***ATEX RATED  
BI PARTING  
High Speed Doors***

- Maximum w x h: 6000mm x 6000mm
- Max Opening Speed: 3.0 m/s
- Max Closing Speed: 1.0 m/s
- Wind Resistance: Up to Class 2
- Door Curtain Thickness: 1.0mm – 1.5mm
- Imprint on curtain: Yes
- Windows: Partial or Full length (see above)
- Regulations EN13241 Compliant

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## High Speed Bi Parting Doors

### ATEX

The **Whirlwind® Atex** Door has the same characteristics at the **Whirlwind® Basic** and **Anti Crash** models except that it has been developed to ensure that its operation cannot cause sparks or ignite fumes that may be in the adjacent areas. Proven technology guarantees years of trouble-free operation. All aspects of the door are robustly designed and well-engineered for everyday use and enables energy saving, draught exclusion and climate control within the building.

Dimensions	
max. width (W)	6000 mm
max. height (H)	6000 mm
max. wind force	Class 2
min. lintel height	255 mm
max. lintel height	281 mm
max. opening speed	3.0 m/s
max. closing speed	1.0 m/s
curtain thickness	Up to 1.5mm

#### Components and Construction

The **Whirlwind® Atex** is based on the **Whirlwind® Basic** that is regarded by many as the most superior internal high-speed door on the market. It is a door without springs in the leg sections, consisting of 2 electrically driven door curtains horizontally rolling up on a roller in each leg. The door tensioning system has been specially developed to ensure that the door curtain is under permanent tension in every position. The door curtain is made of extremely durable and flame-retardant polyester-reinforced PVC and can be fitted with partial vision panels (as per the picture on the cover of this data sheet) or a full-length vision panel offering greater visibility. The sides of each door curtain have an aluminium edge with soft rubber profiles which house the leading-edge contact diodes.

#### Materials

The door columns are made of two hot dip galvanised steel profiles as is the head section. The covers are removeable for fast and simple installation and maintenance. The side seals are specifically tailored to your use. The rollers built into the legs of the door are steel. The leading edge of each door leaf is aluminium with soft rubber profiles encasing the safety contact diodes. The door curtain is 1.0mm – 1.5mm thick PVC with a polyester reinforcement inlay.

#### Colours

The door curtain is available in yellow (standard), orange, red, blue, grey or white. The door curtain can be optionally supplied with windows (both partial or full length) or the door curtain can be printed with a picture or logo.

#### Drive

Microprocessor control unit DR2100 with main switch and integrated frequency converter, 230V/50Hz. Display for menu and error detection. Including emergency switch and triple push button integrated in plastic control cabinet (IP65). Automatic closing with adjustable “stay open time”.

<b>Mains Voltage:</b>	3N~230V/50Hz/16A
<b>Degree of Protection:</b>	IP65
<b>Consumed Power:</b>	max.1.5kW

#### Protection

- The door can be manually opened in the case of power loss
- Light curtain up to 2,500mm high
- Safety edge contactors enclosed within leading edge rubber

#### Control and operation

The control unit has 3 buttons (open-stop-close) and a CEE plug and regulates a multitude of functions, such as:

- adjustable opentime
- service and runmode
- Permanently open or permanently shut

#### Additional controls that can be connected to the standard controlbox are:

- operation by push-button, pullswitch, key-operated switch, photocell, radar, induction loop detection, coding switch or by radio control.

#### Optional Extras\*

#### Control and operation

- additional controls as described above
- door interlock control in combination with another door
- Steel control cabinet

#### Safety

- Built in Anti Crash system
- Blinking and/or rotating light(s)

#### Construction

- Drive unit fully covered
- Mechanical and/or electrical locking
- Printed curtain
- Full length / Partial windows
- “Cut Outs” in door skins to allow for pipes or conveyor belts

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