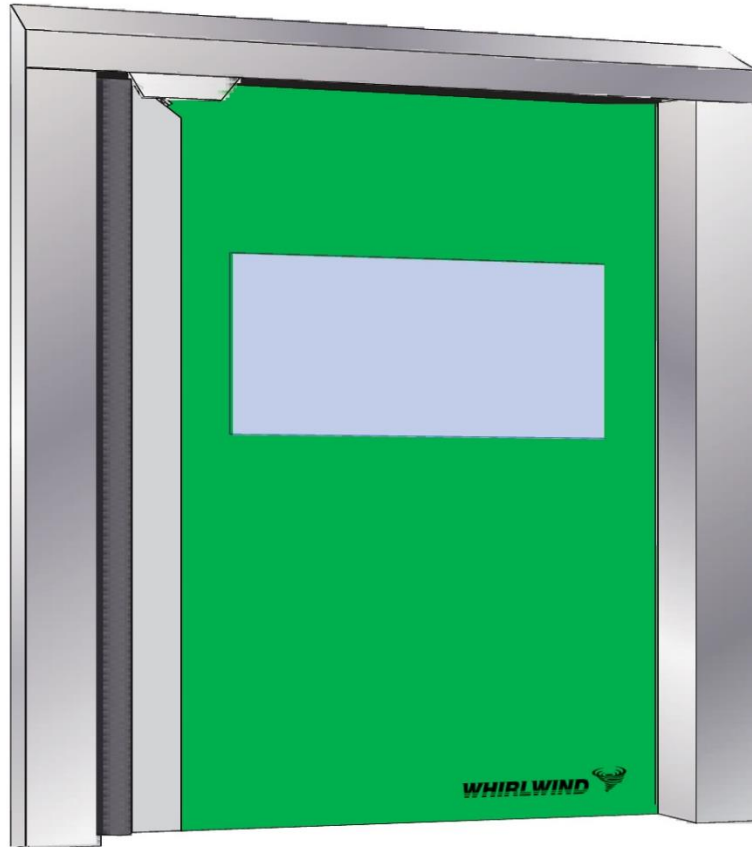




*High Speed Bi Parting Doors*



**INTERDOOR**  
SPECIALIST INDUSTRIAL DOORS

***SINGLE LEAF  
HORIZONTAL OPENING  
High Speed Doors***

- Maximum w x h: 2500mm x 2500mm
- Max Opening Speed: 1.5 m/s
- Max Closing Speed: 0.8 m/s
- Wind Resistance: Up to Class 2
- Door Curtain Thickness: 1.0mm – 1.5mm
- Imprint on curtain: Yes
- Windows: Full length or Partial (see above)
- Regulations EN13241 Compliant

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## High Speed Bi Parting Doors

### SINGLE

The **Whirlwind® Single** Door is a single leaf horizontal opening high-speed door for interior openings where a traditional double leaf door is too big. 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)	2500 mm
max. height (H)	2500 mm
max. wind force	Class 2
min. lintel height	255 mm
max. lintel height	281 mm
max. opening speed	1.5 m/s
max. closing speed	0.8 m/s
curtain thickness	Up to 1.5mm

#### Components and Construction

The **Whirlwind® Single** is regarded by many as the most superior internal single leaf high-speed door on the market. It is a door without springs in the leg sections, consisting of 1 electrically driven door curtain horizontally rolling up on a roller in each leg – moving from right to left. 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 leading edge of the door curtain has an aluminium edge with soft rubber profile which houses 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 roller that is built into the right-hand leg of the door is steel. The leading edge of the door leaf is aluminium with a soft rubber profile 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. The main structure can be powder coated to a RAL colour of your choice.

#### 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) with a 7-segment display for menu and error display. 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 will automatically open to 1m 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 open time
- service and runmode
- Permanently open or permanently shut

#### Additional controls that can be connected to the standard control box 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

- Blinking and/or rotating light(s)

##### Construction

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

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