



High Speed Bi Parting Doors



INTERDOOR
SPECIALIST INDUSTRIAL DOORS

***HYGIENIC
BI PARTING
High Speed Doors***

- Maximum w x h: 4000mm x 4000mm
- 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
- Material: Stainless Steel
- Windows: Full length or Partial (see above)
- Regulations EN13241 Compliant

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HYGIENIC

The *Whirlwind® Hygienic* Door has the same characteristics as the *Whirlwind® Basic* model; however, it has been modified to enable it to be used in areas where cleanliness is paramount, such as clean rooms and food preparation areas. Proven technology guarantees years of trouble-free operation. All aspects of the door are robustly designed for use in the cleanest of areas and enables energy saving, draught exclusion and climate control within the building.

Dimensions	
max. width (W)	4000 mm
max. height (H)	4000 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® Hygienic* is regarded by many as the most superior internal high-speed clean room 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 a stainless steel edge with soft rubber profiles which house the leading-edge contact diodes.

Materials

The door columns are made of two stainless steel profiles as is the head section, onto which the drive unit sits encased in a stainless steel hood. The covers are removable to enable any clean down regime. The side seals are specifically tailored to ensure that no dirt is built up. The leading edge of each door leaf is stainless steel 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 stainless steel control cabinet (IP54). Automatic closing with adjustable “stay open time”.

Mains Voltage:	3N~230V/50Hz/16A
Degree of Protection:	IP54
Consumed Power:	max.1.5kW

Protection

- The door will automatically open to 2m 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 stainless steel 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
- plastic control cabinet

Safety

- Anti Crash System
- Blinking and/or rotating light(s)

Construction

- 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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