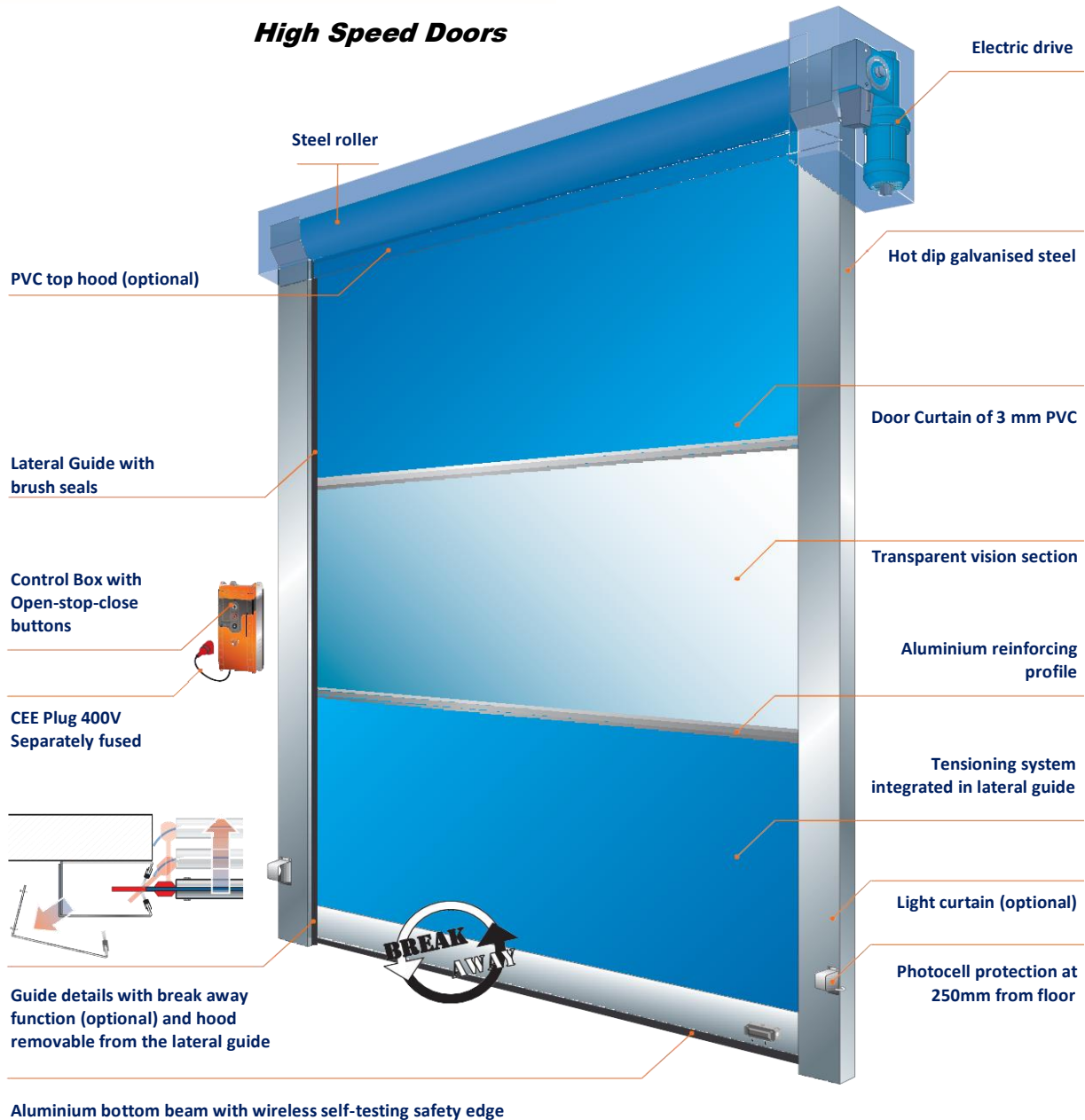


High Speed Doors



INTERDOOR
SPECIALIST INDUSTRIAL DOORS

HEAVY DUTY **High Speed Doors**

- Maximum w x h: 6000mm x 6000mm
- Max Opening Speed: 1.5 m/s
- Max Closing Speed: 1.0 m/s
- Wind Resistance: Up to 8 Beaufort
- Door Curtain Thickness: 3mm
- Door Curtain Colours: Blue (standard)
Orange, Yellow or Grey

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HEAVY DUTY

The **Tornado® Heavy Duty** Door is a rapid roll door for large intensively used openings. Proven technology guarantees years of trouble-free operation. All aspects of the door are robustly designed and well-engineered in order to stand up to the rigours of intensive use. Functionality includes energy saving, draught exclusion and climate control.

| Dimensions | |
|---|------------|
| max. width (W) | 6000 mm |
| max. height (H) | 6000 mm |
| max. wind force | 8 Beaufort |
| required lateral space at top, non-drive side | 275 mm |
| required lateral space at slip on drive* | 470 mm |
| required lateral space at drive for fitting | 750 mm |
| lateral space at side guide profiles | 225 mm |
| required space above | 700 mm |

Components and Construction

The **Tornado® Heavy Duty** is a speed roller door without balance springs, consisting of an electrically driven door curtain rolled up on a roller above the opening. The door curtain is made of horizontal sections of polyester-reinforced PVC. The sections are fitted with aluminium reinforcement profiles. The door curtain has a transparent PVC vision section with height between approx. 1200 and 2200 mm. The bottom of the door curtain has an aluminium bottom beam with rubber sealing profile. A U-shaped profile with brush seals ensures the guidance of the door curtain. The lateral guides are one unit combined with the bearing plates for secure fastening to the roller and drive.

Materials

The lateral guide is made of 2 hot tip galvanised steel profiles with brush seals which are removeable for installation and maintenance. The horizontal roller is steel. The bottom beam is aluminium. The door curtain is 3mm thick PVC with a polyester reinforcement inlay.

Colours

The door curtain is available in blue (standard), orange, yellow or grey and has a transparent vision section as standard.

Drive

The drive consists of an electrical motor with reduction unit and built in roll off safety. The roller is directly driven. Drive side available left or right (standard).

| | |
|------------------------------|------------------|
| Mains Voltage: | 3N~400V/50Hz/16A |
| Degree of Protection: | IP65 |
| Consumed Power: | max.3kW |

Protection

- The door can be manually opened in the case of power loss
- The self-testing safety edge stops the door and opens it again
- Safety photocell at 250mm of the floor

Structural provisions and connection

- A flat mounting frame and the necessary mounting space must be available
- Exact installation dimensions in the Technical Datasheet
- Within 500mm radius of where the control unit will be positioned, mains voltage must be available for electrical connection
- The control box is usually fitted at a height of approx. 1,500mm from the floor on the drive side
- With a standard CEE plug, the control box is IP54 compliant

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
- 7-segment display for control of the various functions
- 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 or by radio control.

Optional Extras*

Control and operation

- additional controls as described above available at surcharge
- control box provided with an IP67 CEE plug
- main switch directly wired on the control box (IP65)
- 'half height' setting for personal access (T100)
- door interlock control in combination with another door

Protection

- connection of traffic lights (red/green or red and green)
- aluminium 'break-away' end pieces in the bottom beam (crash resistant, with emergency stop function)

Construction

- PVC hood over roller and/or drive
- Lateral guide profiles and hood in customer-specified RAL colour

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