

CYCLONE

High Speed Overhead Spiral Doors



INTERDOOR
SPECIALIST INDUSTRIAL DOORS

***Thermal Insulated
High Speed Overhead
Spiral Doors***

“Feel the Difference!”

- Maximum w x h: 6000mm x 6000mm
- Max Opening Speed: 2.0 m/s
- Max Closing Speed: 0.8 m/s
- Wind Resistance: Up to Class 3
- Door Panel Thickness: 40mm
- Safety: Light Curtain
- Standard Colour: RAL9006 White Aluminium
- Optional Colours: Any RAL colour

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THERMAL

The **Cyclone® Thermal High Speed Overhead Spiral Door** provides the ultimate in door technology – Speed, Security and Insulation. 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 and also provides a secure barrier where a fast acting door usually does not.

Dimensions	
max. width (W)	6000 mm
max. height (H)	6000 mm
max. wind force	Class 3
max. opening speed	2.0 m/s
max. closing speed	0.8 m/s
panel thickness	40mm
Drive side	Left or Right

Components and Construction

The **Cyclone® Thermal High Speed Overhead Spiral Door** is regarded by many as the most superior high-speed overhead door on the market suitable for both internal and external applications.

It is a door with self-supporting guide rails made of edged galvanised steel profiles. A spring system has been integrated within the guides to allow for weight compensation.

The **Cyclone® Thermal** door panels are made of 40mm thick double walled insulated ISO panels which are painted RAL 9006 white aluminium as standard or any RAL colour to suit a customer's requirements.

The panels are connected by hinges and are moved up and down via ball bearing mounted rollers in the side rails. The door winds up contact free and wear free in a "space saving" spiral guidance cassette.

Materials

The guide rails are made of edged galvanised steel profiles. The door's panels are made of 40mm thick double walled insulated ISO panels whilst the panels are connected by steel hinges and roll into a hardened plastic spiral guidance cassette.

Colours

The door panels are painted RAL 9006 white aluminium as standard or any RAL colour to suit a customer's requirements.

Drive

Microprocessor control unit DR2100-3 integrated in a plastic control cabinet (IP65) (210mm x 420mm x 200mm) with main switch, triple push button and frequency converter (230V/50Hz). 7 segment display for menu and error detection.

Drive side is optional – left or right.

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

Protection

- Light curtain up to 2,500mm high
- Emergency release by emergency chain

Control and operation

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

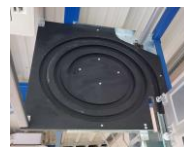
- adjustable open time
- service and runmode
- Permanently open or permanently shut

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

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

Spiral Guidance cassette

Choice of circular or oval:



Optional Extras*

Control and operation

- additional controls as described above

Safety

- emergency stop added to control panel
- connection of traffic lights (red/green or red and green)
- warning flash light (orange or red)

Construction

- steel cabinet IP65 for microprocessor control unit
- hood for drive unit and bale

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