

T80 Iso Sectional Door

ULTRA INSULATED SECTIONAL DOOR



This door system combines excellent sound and maximum thermal insulation properties, with clean, modern designed 80mm micro-profiled panels. Thermal superiority allows application in industrial facilities including cold storage or heated process areas covering a wide variety of projects.

Energy Saving

The thermal performance of this door is exceptional due to the quality PU high-density panel core which are thermally broken and complemented by robust full perimeter seals. A U-value of 0.60W/m²K ensures optimum energy management of your controlled environments, whether cooled or heated.

Sound Insulation

The T80 door system is certified for world class performance. Tested by TÜV Nord, airborne sound reduction for the panels acc. to EN717-1 is 25dB which means it can be applied to any project requiring effective sound reduction.

Ideal for use in

- Warehouses
- Distribution centres
- Manufacturing facilities
- Logistics companies
- Heavy-use environments
- Industrial facilities
- Convention centres
- Airports or Military

Architectural Applications

Exterior of panels has a micro-line profiling and a polyester coating available in multiple colour selections. This can be complemented by various window sizes. Either one or more panels can be replaced with anodised aluminium profiles which allows multiple glazing options.

Safety First

Next level in quality, it is built to exceed AS/NZS standards meaning you can trust the T80 door system to protect your people at all times, and be assured of long-term reliability. The door hardware systems include multiple safety enhancements that have been stress tested and are tried and proven globally.

Configurability

Uniquely customisable components ensure the door can be correctly adapted to optimise design and function. Multiple automation and safety systems are available including high speed operation. It can also be fitted with a Personnel Door within it, to allow personnel entry/exit without opening the complete door. This flexibility ensures you receive what you need.



STANDARD COMPLIANCE

Air Permeability	Class 3	Water Permeability	Class 3
Wind Loading	Up to Class 5	Acoustic Performance	25dB
Thermal Transmittance	0.6 W/m²K	Safe Openings	Yes

TECHNICAL SPECIFICATIONS

Application	Internal/External
Standard Size	3100mm W x 3600mm H
Minimum Size	1800mm W x 1800mm H
Maximum Size	8000mm W x 6500mm H (max 42m²)
Opening Speed	Up to 400mm/sec - variable
Closing Speed	Up to 400mm/sec - variable
Operating Temperature	-25°C to +35°C (35° Max Temperature Differential, negative applications subject to applications review)

TRACK SYSTEM

Material	Galvanised Steel
System	Vertical Lift - Low Shaft (Max Door Size 15m²)

PANELS

Material	80mm panels with micro-profile exterior
Colour	RAL9002 (standard)
Vision Windows	1 Row, Rectangular, Quadruple Glazed Acrylic (638mm W x 334mm H)

MOTORISATION

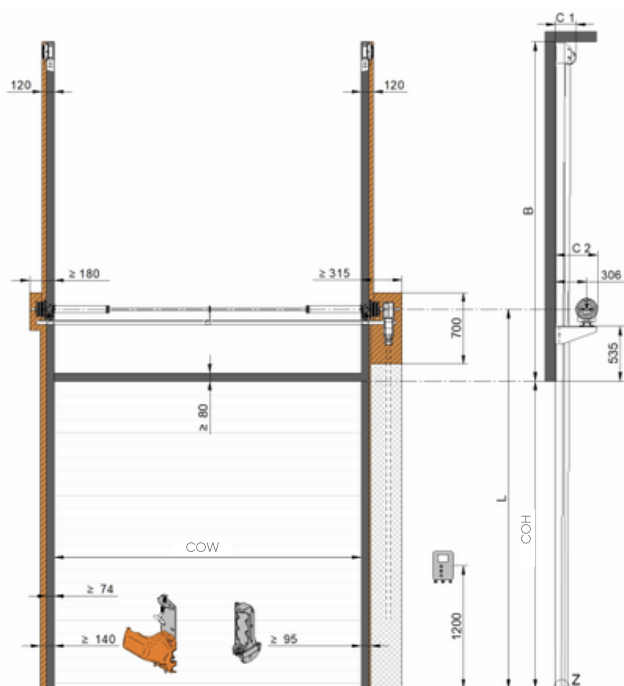
Motor	1.5kW Motor
Motor Position	RH Side
Control Panel	IP54 rated Control box with inverter frequency controller - RH mounted
Power Supply	230V; 1 phase +N+E; 10Amp Rated; adjacent to control box installed to right hand side

SPACE REQUIREMENTS

minimum clearances

Headroom	COH + 550mm
Sideroom	365mm (motor side) 230mm (non-motor side)

DIMENSIONS



FRONT & SIDE ELEVATION VIEW

SAFETY

Standard Inclusions	Opto-sensor safety edge system Spring break safety device
Manual Opening	Manual Hand Chain

ACTIVATIONS

Manual	Push button fitted to control box: Up-Stop-Down
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STANDARD INCLUSIONS

Double EPDM Rubber Door Seals at top and bottom
25,000 cycle rated Springs
Thermally insulated plastic seals between all metal surfaces
Wind and waterproof connections between panel sections
Track thermal isolation package
Performance rated to 100,000 cycles

WARRANTY

12 Months or 10,000 Cycles
*Std Warranty terms and conditions apply

OPTIONAL FEATURES

Activations	All Ulti Activation options can be applied
Power Supply	400V 3 phase +N+E; 16Amp (isolator required adjacent to control box, by others)
Mounting Options	LH Power Supply, LH Control Box, LH Motor, Custom Control Box Position
Track Material	Stainless Steel (reduced thermal isolation)
Panel Colour (Exterior)	RAL9006, Custom RAL on request
Vision Windows	1, 2, or 3 rows, custom rows and/or number of windows
Alternative Vision Window Glazing	Oval Quadruple glazed, 665mm W x 345mm H
Full Width Glazing (in lieu of Insulated Panel)	Aluminium frames to be colour matched to insulated panels Quadruple glazing, Acrylic Quadruple glazing, scratch resistant PRO-TEC Quadruple glazing - Smoke, Opaque, Pinpoint Triple glazing, Acrylic Triple glazing, scratch resistant PRO-TEC
Ventilated Grilles	Closable ventilation grille, white or black, 344mm W x 138mm H
Springs	50,000 or 100,000 cycle rated springs
Safety	2000mm Light Curtain Sensors 1 set of Infrared Photocell Safety beams LED traffic lights pair (red/green) Shootbolt with Microswitch sensor
Emergency Egress	UPS Battery backup (Single Phase)
Optional Selections	Personnel Door within door leaf

ALTERNATIVE TRACK SYSTEMS configured to suit available headroom

Standard Lift	Headroom = 510mm, Depth = COH + 1000mm. Max 42m²
High Lift	Lift = Headroom - 290mm, Max 42m²
Vertical Lift (High Shaft)	Headroom = COH + 420 mm, Max 42m²
Low Clearance	Headroom = 200mm (Max 25m²) 250mm (Max 40m²), 320mm (Max 20m²)
Roof Angle Tracks	Standard = 5-44°, High = 1-44°, Low = 1-35°

