

Product Data Sheet

HSD101

High Speed Cooler Door



The SCY High-Speed Cooler Door is engineered for optimal thermal performance in demanding cold storage environments. This airtight construction minimizes heat transfer and energy loss, significantly reducing operating costs and preventing condensation buildup.

Its robust construction includes a 304 stainless steel frame for corrosion resistance and easy cleaning, enabling high-pressure washdowns for hygiene-sensitive areas. An optional frame heating system is available to prevent frost buildup in low-temperature settings.

Safety features such as photoelectric sensors and wireless edge detection protect users, while smart controls and multiple actuation options maximize flexibility and efficiency. The door operates with a direct-drive system for smooth, low-maintenance performance.

Technical Information

Product Name	High Speed Cooler Door	
Model Number	HSD101	
Area of Use	Indoor	
Max Size Range* (W x H)	5 m x 5 m	16 ft x 16 ft
Minimum Required Headroom	0.6 m	2 ft
Opening Speed	Up to 1.5 m/s	Up to 59 in/s
Closing Speed	Up to 0.8 m/s	Up to 31 in/s
Drive Mechanics	Direct drive operator (with manual crank)	
Control Panel	Standard	
Safety Features	Photoelectric sensor Light curtain available (Optional) Wireless edge activator (Optional)	
Seal Mechanism	Brush or Zipper	
Cycleability/Maintenance	Unlimited per day /Inspection every three months	
Manufacturer Warranty	5-Year Limited on drive motor and gearbox. 2-Year Limited on all other components	

* Other sizes may be available on request

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Materials and Finishes

Component	Description	Notes
Curtain Colours Available	Yellow, Green, Orange, Red, Gray, Blue	
Structure Material	304 Stainless steel	
Door Curtain	Reinforced vinyl exterior, reflective foil interior	
Curtain Temperature Rating	-10°C to 50°C 14°F to 122°F	
Bottom Bar Profile	Aluminum wind rib with PVC bottom (Brush seal) Flexible soft bottom edge (Zipper seal)	
Electric Door Operator	Cast aluminum	
Control Panel	NEMA 4/12 rated Powder coated enclosure	304 Stainless steel option
Hood and Motor Cover	304 Stainless steel	

Energy Analysis

Attribute	Description	Notes
Thermal Resistance (R-value)	0.40 m ² ·K/W	2.27 (ft ² x°F x hr)/BTU

Electrical

Attribute	Description	Notes
Operating Voltage	208 ~ 240 V/1 PH	
Motor Power	0.75kW / 1.5kW/ 2.2kW	