

Product Data Sheet

HSD102

High Speed Freezer Door



The SCY High Speed Freezer Door is engineered for demanding temperature-controlled environments. Its high-speed opening and closing minimize air exchange, reducing temperature loss and improving energy efficiency.

The insulated door curtain features reinforced vinyl exterior layers and dual reflective foil insulation for thermal stability and durability. A zipper-style sealing system enhances airtightness, while the full 304 stainless steel frame, hood and motor covers provide corrosion resistance, support high-pressure washdowns and ensure long-term hygiene compliance.

The direct drive system with dual-axis delivers smooth, low-maintenance operation. Standard safety features include photoelectric sensors and a wireless safety edge. Multiple actuation options and smart controls offer flexibility across various industrial applications.

Technical Information

Product Name	High Speed Freezer Door	
Model Number	HSD102	
Area of Use	Indoor	
Max Size Range (W x H)*	5 m x 5 m	16 ft x 16 ft
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	NEMA Type 4 / 12 rated	
Safety Features	Photoelectric sensor Light curtain available (Optional) Wireless edge activator (Optional)	
Seal Mechanism	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, Grey, Blue		
Structure Material	304 Stainless steel		
Door Curtain	Reinforced vinyl exterior, dual reflective foil interior		
Curtain Temperature Rating	-29°C	-20°F	
Bottom Bar Profile	Flexible soft bottom edge		
Electric Door Operator	Servo motor control system/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)	0.60 m ² ·K/W	3.41 hr·ft ² ·°F/BTU	

Electrical

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

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