

Product Data Sheet

CHILLFAST
High-Speed Freezer Doors

HÖRMANN



Provides energy and operational savings for food and beverage processing, cold storage and distribution

- High speed roll-up door reduces cooling energy costs
- Variable Frequency Drive system provides Soft Start / Soft Stop
- Insulated reinforced vinyl curtain endures cold temperatures
- Soft bottom with safety edge, releases upon impact & auto resets
- Retention guides improves curtain stability & durability
- Aluminum guides with integrated photoeyes, wear strips and fabric loop seals
- Standard aluminum roll cover & optional operator hood with white finish
- GFCI protected heater cable system in guides, bottom edge and hoods
- Standard plug and play cable system
- Optional air curtain system, heated or non-heated

Technical Data	Imperial	Metric	Remark
Application	Interior Only		
Speed	Opening up to 79 in/s Closing up to 26 in/s	Opening up to 2 m/s Closing up to 0.7 m/s	
Control Panel	Smart Start™ NXT		
	W x H x D (in) 15 ½ x 23 ½ x 9 ½	W x H x D (mm) 394 x 597 x 241	
Size Range	Min (W x H) 6 ft 0 in x 6 ft 0 in	Min (W x H) 1830 mm x 1830 mm	
	Max (W x H) 13 ft 0 in x 18 ft 6 in	Max (W x H) 3965 mm x 5640 mm	
Guide Track Profile	W x D (in) 5 ½ x 4 ¼	W x D (mm) 140 x 108	
Roll Tube Diameter	4 in X 1.5 in	102 mm X 38 mm	Inside diameter
Required Headroom	35 ¾ in	905 mm	
Drive Mechanics	Direct drive operator with manual chain hoist		
Counterbalance System	Not Required		
Braking	Control box activated 24 VDC disk brake		
Cycleability / Maintenance	Unlimited per day / Inspection every three months		
Safety Features	Integrated photoeye, manual chain hoist		
Resistance to Wind Load (Max per Door Width)	7 psf, wind class 1	0.3 kPa wind class 1	ANSI / DASMA 108-2002
Fire Resistance Rating (Behavior)	Non-rated, Non-conforming exit		
Manufacturer Warranty	Curtain - 2 years / Operator - 5 years or 1 million cycles / General - 2 years		

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Materials & Finishes	Description		Remark
Guide Tracks, Covers & Guards (Guides)	Anodized extruded aluminum with mill-finish aluminum inlay for curtain retention		
Mounting Angles	Extruded aluminum, anodized		
Roll Tube	Extruded aluminum		
End Plates	Zinc dichormate plated steel		
Weather Seals	Heated PVC loop seal on bottom bar and guides, unheated lintel seal		
Curtain	nominal 1/2 in (12 mm) thick welded PVC insulated curtain		
Curtain Temperature Rating	- 20°F	-29°C	
Bottom Profile (Bar) Door Slat	Flexible urethane bottom bar		
Electric Door Operator	Cast aluminum direct drive operator		
Control Panel	Smart Start™ NXT with VFD, powder coated enclosure		Optional stainless steel enclosure
Hood and Motor Cover (Optional)	18 gauge lacquered aluminum		
Idler Barrel	2.5 in (65 mm) mm diameter extruded aluminum with steel axles		
Energy Analysis	Imperial	Metric	Remark
Thermal Resistance (R-value)	0.96 hr-ft²-°F/BTU	0.60 m²-K/W	ASTM C1363-11
Heat Transfer Coefficient (U-value)	1.04 BTU/hr-ft²-°F	1.66 W/m-K	ASTM C1363-11
Electrical	Description		Remark
Electric Door Operator	GfA Elektromaten 1.0 hp (0.75 kW)		NEMA Type 3 / IP54
Operating Voltage (Motor)	132 VAC, 3 PH, 60 Hz		
Control Panel	6.7 HP (5Kw) variable frequency drive rated for operator voltage		NEMA Type 4X / IP66, UL/CUL/CE Listed
Standard Power Requirement (to Control Box)	Door - 208 - 600 VAC, 3 PH, 60 Hz Door heaters - 120 VAC, 15 W/foot Optional air curtain - 208 - 600 VAC, 3 phase, 60 Hz		Requires three separate power supplies Buck-Boost transformers may be required at 208v, 50Hz available
Full Load Amps	9.2 A		Operator
Disconnect	Fuse: 20 Amp, Class K		Service to control box supplied by others