

# 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 photo-eyes, 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  Smart Start™ NXT	Opening up to 2 m/s Closing up to 0.7 m/s	
Control Panel	W x H x D (in) 15 1/2 x 23 1/2 x 9 1/2	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  Max. (W x H) 13 ft 0 in x 18 ft 6 in	Min (W x H) 830 mm x 1830 mm  Max.(W x H) 3965 mm x 5640 mm	
Guide Track Profile	W x D (in) 5 1/2 x 4 1/4	W x D (mm) 140 mm x 108 mm	
Roll Tube Diameter	4 in X 1.5 in	102 mm X 38 mm	inside diameter
Required Headroom	35 5/8 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 pounds per square foot windclass 1	0.3 kPa windclass 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 dichromate 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" (65 mm) mm diameter extruded aluminum with steel axles	
Energy Analysis		Imperial	Metric
Thermal Resistance (R-value)	0.96 hr·ft <sup>2</sup> ·°F/BTU	0.17 m <sup>2</sup> ·K/W	ASTM C1363-11
Heat Transfer Coefficient (U-value)	1.04 BTU/hr·ft <sup>2</sup> ·°F	5.9 W/m <sup>2</sup> ·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, 1 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		Service to control box supplied by others