

# Product Data Sheet

CHILLFAST  
High-Speed Freezer Doors



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
<b>Application</b>	Interior Only		
<b>Speed</b>	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	
<b>Control Panel</b>	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	
<b>Size Range</b>	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	
<b>Guide Track Profile</b>	-	W x D (mm) 140 mm x 108 mm	
<b>Roll Tube Diameter</b>	4 in X 1.5 in	102 mm X 38 mm	inside diameter
<b>Required Headroom</b>	35 ¾ in	905 mm	
<b>Drive Mechanics</b>	Direct drive operator with manual chain hoist		
<b>Counterbalance System</b>	Not Required		
<b>Braking</b>	Control box activated 24 VDC disk brake		
<b>Cycleability / Maintenance</b>	Unlimited per day / Inspection every three months		
<b>Safety Features</b>	Integrated photoeye, manual chain hoist		
<b>Resistance to Wind Load (Max per Door Width)</b>	7 pounds per square foot windclass 1	0.3 kPa windclass 1	ANSI / DASMA 108-2002
<b>Fire Resistance Rating (Behavior)</b>	Non-rated, Non-conforming exit		
<b>Manufacturer Warranty</b>	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	<b>Imperial</b> <span style="margin-left: 150px;"><b>Metric</b></span>		<b>Remark</b>
Thermal Resistance (R-value)	0.96 hr-ft <sup>2</sup> ·°F/BTU	0.60 m <sup>2</sup> ·K/W	ASTM C1363-11
Heat Transfer Coefficient (U-value)	1.04 BTU/hr-ft <sup>2</sup> ·°F	1.66 W/m·K	ASTM C1363-11
Electrical	<b>Description</b>		<b>Remark</b>
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, Class K		Service to control box supplied by others



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