Helmer Scientific, Noblesville, Indiana
www.helmerinc.com

Technical Data Sheet
High-Performance, Medical-grade Refrigerator
Model: iBR125-GXC, i.Series® Blood Bank / Upright

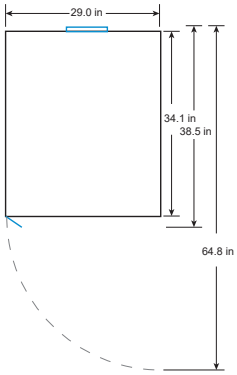
Application, Rating, & Electrical Data	
Application	High performance storage of blood and other medical and scientific products
Storage Volume	25.2 cu ft (714 L) | 504 Blood bags
Temperature Range	+2°C to +10°C
Set Point	+4°C
Electrical Power	115V 60Hz | 208-240V 50/60Hz
Maximum Current	2.8A | 1.55A
Facility Supply Rating	Branch circuit with earth ground, meeting plug/cord ratings as well as local electrical safety codes and requirements 110-120V AC: 15 A (minimum) 208-240V AC: 10 A (minimum)
Power Plug/Power Cord Length	NEMA 5-15 hospital-grade | 115V 60Hz, 10 ft (3.0m) Inquire about additional plug/cord options
Certification/Agency Listing	QPS (Certified to UL and CSA Standards) IEC/UL61010-2-011: 2016 | IEC 61010-1:2010, AMD1:2016
Energy Star	Yes, ENERGY STAR® Certified High Performance Refrigerator
Indoor/Outdoor Use	Indoor use only, non-residential
Application Environment	Non-corrosive, non-flammable, non-explosive
Ambient Operating Temperature	+15°C to +32°C | +59°F to +90°F
Refrigeration	
Refrigeration System	VCC compressor-based, forced-air hydrocarbon
Compressor	Hermetic, variable speed (VCC). Rated speed range: 1300-4000 rpm
Condenser Type	Air-cooled fin and tube, sealed
Expansion Device	Cap tube
Evaporator Type	Direct expansion with forced-air fin and tube
Defrost Method	Automatic
Refrigerant	R600a, Isobutane, EPA SNAP compliant
Controller / Configuration Settings	
User Interface	i.Center® Plus color touchscreen, 5 in | 127 mm, °C or °F
Power Switch	On/Off
Controller Type	Microprocessor with touchscreen input and display
Security	Lockable door, password protected settings, PIN access via optional access control
Control Sensor	NTC, sealed
Communication Ports	USB, Remote alarm contacts, RJ45 (Ethernet). API available for Ethernet connectivity development
Power Failure Alarm	Yes
High/Low Alarms - Tests	Yes, fully adjustable, automatic (Peltier) testing
Door Ajar Alarm	Yes, fully adjustable
Compressor Temperature Alarm	Yes, fully adjustable
Min/Max Temperature	Yes, display and reset
Download	Yes, via USB. CSV and PDF
Event Log	Yes, all alarms, door openings, download via USB
Temperature Log	Yes, download via USB
Access Log	Yes with optional access control, download via USB
Interactive Temperature Graph	Yes
Chart Recorder	Yes, integrated, 4 in (102 mm) diameter, inkless pressure-sensitive charts, backup battery
Temperature Monitoring Ballast	Yes, two 4 oz bottles with screw caps, solid ballasts optional
Battery Back-up	Yes, 20 hr display and alarm back up for i.Center® Plus touchscreen | Rechargeable 12V, lead acid

Performance Characteristics	
Uniformity | °C	+/-1.0
Recovery to 8°C after 3 min door opening | min	1
Stability | °C	0.07
Energy Consumption | kWh/day	3.09
Noise emission | dB	49
Heat Rejection / Emission | BTU/hr	915
Pull-down time to 4°C | min	65

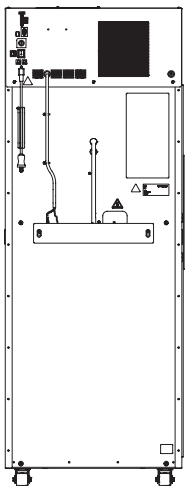
All performance data from 25 cu ft refrigerator, 24.8°C ambient, 4.0°C

Dimensions and Construction	
Interior (w x h x d)	24.8 x 58.1 x 30.0 in | 628 x 1476 x 762 mm
Exterior (w x h x d)	29.0 x 79.0 x 34.1 in | 737 x 2006 x 866 mm
Overall Exterior (w x h x d)	29.0 x 79.0 x 38.5 in | 737 x 2006 x 977 mm *add 0.4 in to width if choosing optional access control
Insulation	Sustainable, US EPA and SNAP approved foam
Exterior/Interior Finish	Bacteria-resistant powder-coating
Door	1, dual-pane glass, right-hinge
Access Port	Top Access Port- for external monitoring probe(s) (0.75 in | 19 mm diameter) Left Access Port (1.75 in | 45 mm diameter)
Interior Storage (w x h x d)	7 drawers, liquid-tight, stainless steel, adjustable 21.5 x 3.9 x 26.7 in | 546 x 100 x 679 mm, 100 lb | 46 kg max capacity/drawer
Casters	Yes, swivel-locking
Integrated Access Control	Optional- electromagnetic-lock via with PIN entry i.Center® Plus user interface
Net Weight	487 lb | 221 kg
Shipping Weight	549 lb | 249 kg
Clearance Requirements	Minimum of 8 in (203 mm) above and 3 in (76 mm) behind unit for proper ventilation, clearance, and feature access
Options | Accessories	Integrated access control, Stainless steel interior, Chart paper, Leveling feet, Solid ballast, Remote alarms, Floor and Wall bracket kit, Seismic anchoring Kit, Storage trays, Locking drawer, Left-hinge door, Solid or heated glass door, Side-wall access ports, Certificate of calibration, Temperature validation, Validation guide (IQ/OQ), Extended warranty
Warranty	Rel.i™ Plus Warranty- 7 years compressor, 2 years parts, 2 years labor Outside US and Canada- Contact your distributor for warranty information

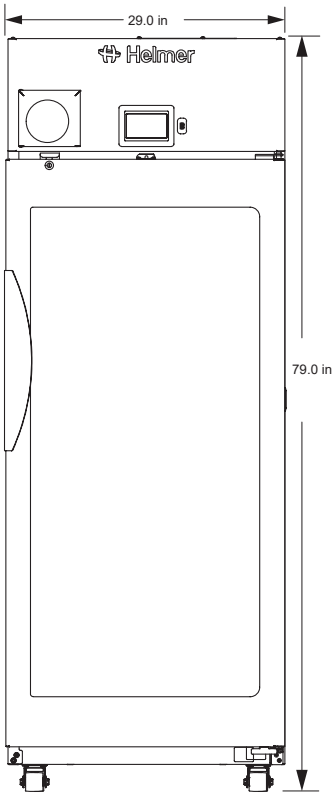




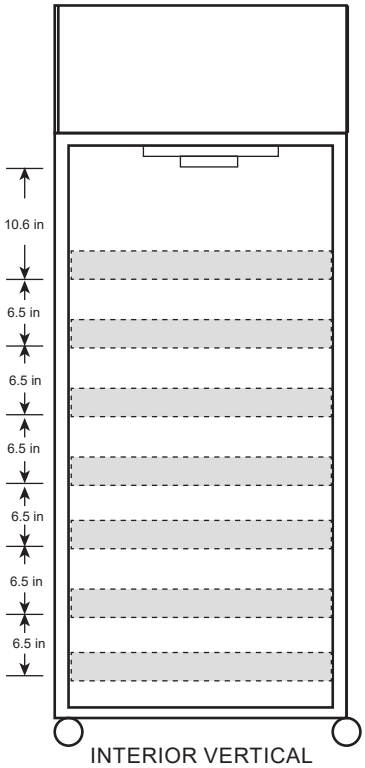
TOP VIEW



BACK VIEW



FRONT VIEW



INTERIOR VERTICAL SPACING

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