

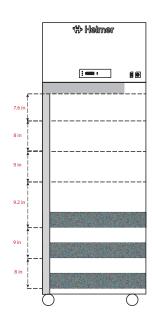
# Helmer Scientific, Noblesville, Indiana www.helmerinc.com

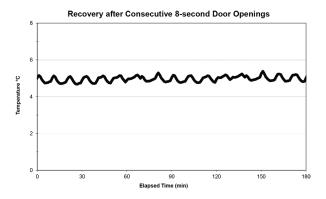
## Technical Data Sheet High-Performance, Medical-grade Refrigerator Model: HPR226-GX, Horizon Series™ Pharmacy / Pass-Thru

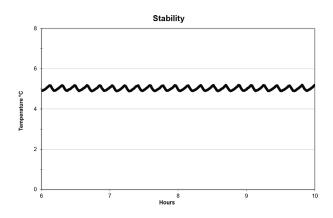
Application, Rating, & Electrical Data		
Application	High perform	ance storage of medical and scientific products
Storage Volume	26.4 cu ft (747 L)	
Temperature Range	+2°C to +10°C	
Set Point	+5°C	
Electrical Power	115V 60Hz   220-240V 50/60Hz	
Maximum Current	4.6 A   3.1 A	
Facility Supply Rating	Branch circuit with earth ground, meeting plug/cord ratings as well as local electrical safety codes and requirements 110-120V AC: 15 A (minimum) 220-240V AC: 10 A (minimum)	
Power Plug/Power Cord Length	NEMA 5-15 hospital-grade   115V 60Hz, 8 to 10 ft (2.4-3.0m) Inquire about additional plug/cord options	
Certification/Agency Listing	QPS (Certified to UL and CSA Standards) IEC/UL61010-2-01: 2016   IEC 61010-1:2010, AMD1:2016	
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: 2000-3500 rpm	
Condenser Type	Air-cooled fin and tube, sealed	
Expansion Device	Cap tube	
Evaporator Type	Direct expansion forced-air fin and tube	
Defrost Method	Automatic	
Refrigerant	R290, Propane, EU F-Gas and EPA SNAP compliant	
Controller / Configuration Setting	ıs	
User Interface	LED digital display, °C or °F	
Power Switch	On/Off	
Controller Type	Microprocessor with alarm/monitor	
Security	Lockable door, key lock	
Control Sensor	RTD, stainless steel	
Communication Port	Remote alarm contacts	
Power Failure Alarm	Yes	
High/Low Alarms	Yes, fully adjustable	
Door Ajar Alarm	Yes	
Min/Max Temperature	Yes, display and reset	
Temperature Monitoring Ballast	Yes, two 4 oz	bottles with screw caps, solid ballasts optional
Battery Back-up	Yes, 9V, non-r	echargeable, lithium
Portormanco Chavastovistica		
Performance Characteristics		
Uniformity   °C		+/-1.0
	pening   min	
Uniformity   °C	pening   min	+/-1.0
Uniformity   °C  Recovery to 8°C after 3 min door o  Stability   °C  Energy Consumption   kWh/day	pening   min	+/-1.0 8
Uniformity   °C  Recovery to 8°C after 3 min door of Stability   °C	pening   min	+/-1.0 8 1.7
Uniformity   °C  Recovery to 8°C after 3 min door o  Stability   °C  Energy Consumption   kWh/day	pening   min	+/-1.0 8 1.7 4.89







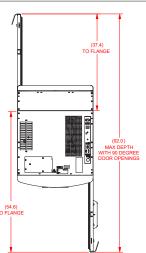


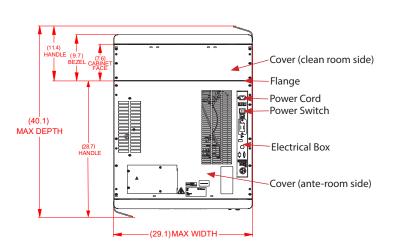




Dimensions and Construction		
Interior (w x h x d)	24.7 x 58.1 x 31.8 in   628 x 1476 x 809 mm	
Exterior (w x h x d)	29 x 79.3 x 35.8 in   737 x 2013 x 1014 mm * width applies to cabinet only	
Overall Exterior (w x h x d)	29.1 x 79.3 x 40.1 in   740 x 2013 x 1018 mm * includes door handles	
Insulation	Sustainable, US EPA, and SNAP approved foam	
Exterior/Interior Finish	Bacteria-resistant powder-coating	
Trim/Skirt Kit Details (sold separately )	Trim kit - side rails $3 \times 81.8$ in $\mid 77 \times 2078$ mm; top rail $3 \times 35$ in $\mid 77 \times 889$ mm; Bacteria-resistant powder-coating; $1$ kit per side needed Skirt kit - $2.7 \times 29$ in $\mid 67 \times 736$ mm; Clean room side only; Bacteria-resistant powder-coating	
Door	2, dual-pane glass, right-hinge	
Access Port	Top Access Port- for external monitoring probe(s) (0.75 in   19 mm diameter) Left Sidewall Port - with interior and exterior plugs (1.75 in   45 mm diameter)	
Interior Storage (w x h x d)	3 ventilated, powder coated shelves, adjustable, 22.4 x 27.5 in   569 x 700 mm, 100 lb   46 kg max capacity/shelf 3 liquid-tight, stainless steel, 2-way drawers, adjustable 21.5 x 4.1 x 26.9 in   547 x 104 x 683 mm, 100 lb   46 kg max capacity/drawer	
Casters	Yes, swivel-locking	
Net Weight	523 lb   237 kg	
Shipping Weight	602 lb   273 kg	
Clearance Requirements	Minimum of 8" (203mm) above the ante-room (control) side of the refrigerator. Clearance above the solid cover on the clean room side may be 0".	
Options   Accessories	Chart Recorder, Chart Paper, Skirt Kit, Wall Trim Kit, Ventilated Shelves, Liquid-tight Drawers, Storage Tray Package, Drawer Dividers, Solid Ballast, Left-hinge Door, Solid Door, Remote Alarms, Floor Bracket Kit, Stainless Steel Interior, Side Wall Access Ports, Temperature Validation, Certificate of Calibration, Validation guide (IQ/OQ), Extended Warranty	
Warranty	Rel.i™ Warranty- 5 years compressor, 2 years parts, 1 year labor Outside US and Canada- Contact your distributor for warranty information	

# (79.3) TOP COVER AND BEZEL





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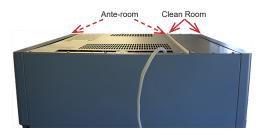


# RoHS



### Pass-Thru Placement for Building-in

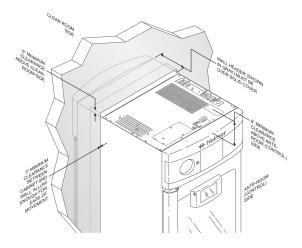
When placing a pass-thru refrigerator between two rooms, size the opening to fit the width of the cabinet. From front to back, the flange between the top covers indicates the separation between the clean room and anter-room (control) sides. The refrigerator should be positioned so the wall header is over the solid cover, but not over the flange or blue bezel. A minimum overhead clearance of 8" (204mm) is required on the anter-room side of the cabinet. Zero clearance is required above the clean room side as well as at the left and right sides of the cabinet.



### **NOTICE**

If adding Trim and/or Skirt kit(s) to the unit(s), kit dimensions must be considered prior to building-in.

### Wall Header Placement and Required Clearances Shown from ante-room (control) side. Appearance may vary.



### Optional Trim Kit and Skirt Kit Placement Shown from clean room side. Appearance may vary.

### Trim Kit

Attaches to the wall around cabinet. Top piece extends across full width of unit; may be installed on the clean room or ante-room side.

Clearance needed between adjacent units:

- 6.2" for full access to both units with trim around each unit
- 5.0" for full access to both units
- with trim around one unit
- 2.5" for full access to one unit with no trim installed.

### Skirt Kit

Attaches to the underside of cabinet. Front piece extends across full width of unit; may only be installed on the clean room side.



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