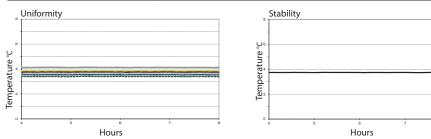


www.helmerinc.com

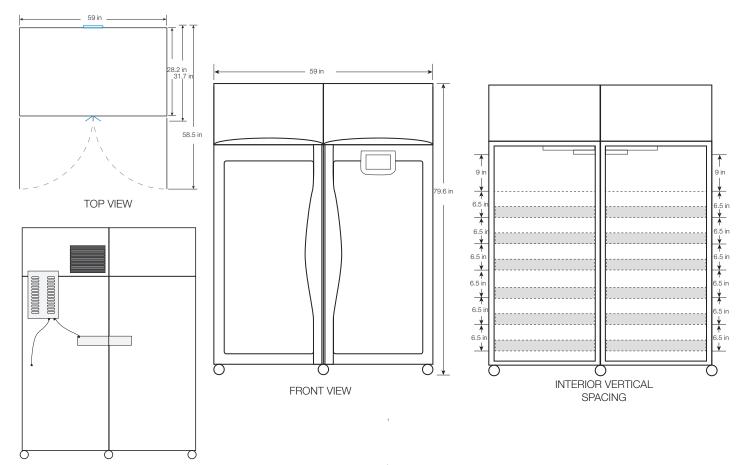
Technical Data Sheet High-Performance, Medical-grade Refrigerator Model: iPR245-GX, i.Series® Pharmacy / Upright

| Application, Rating, & Electrical Data | | | Performance Characteristics | | | | | |
|--|--|---------|---|------------|------------|------------|------------|--|
| Application | High performance storage of medical and scientific products | | Uniformity °C | | 4 | -/-1.0 | | |
| Storage Volume | 44.9 cu ft 1271 L | | Recovery to 8°C after 3 min door opening | min | | 10 | | |
| Temperature Range | +2°C to +10°C | | Stability °C | | | 0.44 | | |
| Set Point | +5°C | | Energy Consumption kWh/day | | | 3.77 | | |
| Electrical Power | 115V 60Hz 220-240V 50-60Hz | | Noise emission dB | | | 52 | | |
| Maximum Current | 4.3A 2.5A | | Heat Rejection / Emission BTU/hr | | | 1199 | | |
| 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) | | Pull-down time to 5°C min 64 All performance data from 45 cu ft refrigerator, 25°C ambient, 5.0°C | | | | | |
| 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 | | 8 Recovery after consecutive 8 seco | ond door | openi | ngs | 7 | |
| Energy Star | Yes | | | | | | | |
| Indoor/Outdoor Use | Indoor use only, non-residential | , | , 6 | | | | - | |
| Application Environment | Non-corrosive, non-flammable, non-explosive | ر دە | | | | | | |
| Ambient Operating Temperature | +15°C to +32°C +59°F to +90°F | - tex | | N | S | S | ¢ – | |
| Refrigeration | | | | | | | | |
| Refrigeration System | VCC compressor-based, forced-air hydrocarbon | 4 | 2 | | | | - | |
| Compressor | Hermetic, variable speed (VCC). Rated speed range: 1300-4000 rpm | | | | | | | |
| Condenser Type | Air-cooled fin and tube, sealed | | 0 30 60 90 | 120 | 150 | 1 | 180 | |
| Expansion Device | Cap tube | | Elapsed Time (r | nin) | | | 00 | |
| Evaporator Type | Direct expansion with forced-air fin and tube | | Typical Temperature | Мар | | | | |
| Defrost Method | Automatic | | | 45 cu ft | . Tempe | rature l | Map °C | |
| Refrigerant | R600a, Isobutane, EPA SNAP compliant | | | | AVG | MAX | MIN | |
| Controller / Configuration Settings | | 6 | | 1LBL | 5.4 | 5.8 | 5.3 | |
| User Interface | i.C3° color touchscreen, door mounted, 7in 177mm, °C or °F | | ● 1LBL ●1RBA | 1LFL | 5.8 | 6.2 | 5.7 | |
| Power Switch | On/Off | | 1LFL 1LFR 1RFR | 1LFR | 5.7 | 5.9 | 5.6 | |
| Controller Type | Microprocessor with touchscreen input & display | | 2LM | 1 RBR | 5.6 | 6.0 | 5.5 | |
| Security | Lockable doors, password protected settings | 7 K | 3RM | 1RFR | 6.2 | 6.5 | 6.1 | |
| Control Sensor | RTD, stainless steel | 74 | | 2LM | 5.4 | 5.7 | 5.2 | |
| Communication Ports | USB, Remote alarm contacts, RJ45 (Ethernet). API available for Ethernet connectivity development |] | | 3RM 4LM | 5.0 4.5 | 5.2 4.7 | 4.8 4.2 | |
| Power Failure Alarm | Yes | 14 | Junio Junio | 5RM | 4.7 | 4.9 | 4.6 | |
| High/Low Alarms - Tests | Yes, fully adjustable, automatic (Peltier) testing | | ● 6LM ★ 6RM | 6LM | 4.4 | 4.6 | 4.2 | |
| Door Ajar Alarm | Yes, fully adjustable | | 7LFL 7LFR 7RFR | 6RM | 5.1 | 5.3 | 5.0 | |
| Condenser Temperature Alarm | Yes, fully adjustable | | | 7LBL | 5.0 | 5.5 | 4.9 | |
| Min/Max Temperature | Yes, display and reset | | Location of Test Probes | 7LFL | 5.2 | 5.4 | 5.0 | |
| Download | Yes, via USB. CSV and PDF | | | 7LFR | 5.1 | 5.3 | 4.9 | |
| Event Log | Yes, all alarms, door openings, download via USB | | | 7RBR | 5.5 | 5.8 | 5.4 | |
| Temperature Log | Yes, download via USB | | | 7RFR | 5.2 | 5.5 | 5.0 | |
| Interactive Temperature Graph | Yes | | | | | | | |
| Temperature Monitoring Ballast | Yes, two 4 oz bottles with screw caps, solid ballasts optional | | | | | | | |
| Battery Back-up | Yes, 20 hr display & alarm back up for i.C3® touchscreen Rechargeable 12V, lead acid | | | | | | | |
| L | | | | | | | | |



| Dimensions and Construction | | | | | |
|------------------------------|--|--|--|--|--|
| Interior (w x h x d) | 54.7 x 58.1 x 24 in 1390 x 1476 x 609 mm | | | | |
| Exterior (w x h x d) | 59 x 79.6 x 28.2 in 1499 x 2021 x 715 mm | | | | |
| Overall Exterior (w x h x d) | 59 x 79.6 x 31.7 in 1499 x 2021 x 803 mm *Includes handles and electrical box | | | | |
| Insulation | Sustainable, US EPA, SNAP and GRAS approved foam | | | | |
| Exterior/Interior Finish | Bacteria-resistant powder-coating | | | | |
| Door | 2, dual-pane glass | | | | |
| 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) | 2 ventilated, powder coated shelves, adjustable 22.5 x 21.9 in 572 x 557 mm, 100 lb 46 kg max capacity/shelf 12 ventilated, powder coated, pull-out drawers, adjustable 21.5 x 3.9 x 22 in 546 x 100 x 560 mm, 100 lb 46 kg max capacity/drawer | | | | |
| Casters | Yes, swivel-locking | | | | |
| Net Weight | 775 lb 895 kg | | | | |
| Shipping Weight | 895 lb 407 kg | | | | |
| Clearance Requirements | Minimum of 8" (203mm) above and 3" (76mm) behind unit for clearance and feature access | | | | |
| Options Accessories | Stainless steel interior, Chart recorder, Chart paper, Leveling feet, Solid ballast, Remote alarms, Floor and Wall bracket kit, Seismic anchoring kit, Storage trays, Screen protector, Locking drawer, Solid or heated glass doors, Top cover, 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, 1 year labor Outside US and Canada- Contact your distributor for warranty information | | | | |





BACK VIEW

©2019 Helmer Inc. All trademarks are the property of Helmer Scientific or their owner. Specifications are subject to change. Not all products are available in all countries. Please consult your local sales representative for details.

