

MPR-S1201XH-PA | MPR-S1201RXH-PA

TwinGuard® ECO Pharmaceutical Refrigerator

2°C to 14°C

41.1 cu.ft. | 1165 L
40.8 cu.ft. | 1155 L



MPR-S1201RXH-PA

MPR-S1201XH-PA

TwinGuard ECO Series Pharmaceutical Refrigerators provide twice the sample protection for double the peace of mind. Two independent cooling circuits work together, both independently and concurrently, to provide a comprehensive solution to potential challenges, ensuring the continuity and safety of your precious contents. The cutting-edge refrigeration system ensures reliable, uniform temperature control. Natural HC refrigerants and state of the art inverter-controlled compressors achieve significant reduction in power consumption and greater uniformity than predecessor models.

TwinGuard (Dual Cooling) Ensures Stable In-Chamber Temperature

Housing dual independent refrigerating circuits within a single unit. In the event of a malfunction in one circuit, the second circuit seamlessly takes over, steadfastly sustaining the in-chamber temperature at $\pm 5^\circ\text{C}$ ($\pm 3^\circ\text{C}$)*. This dual safety feature acts as a fail-safe mechanism, providing enhanced security for the preservation of vital stored items.

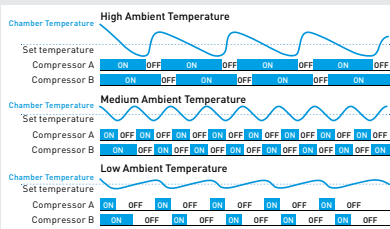
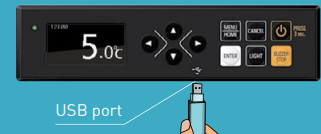
*Factory 9 point temperature testing in AT +23°C

Precision Cooling: Intuitive Control and Alerts

Experience unparalleled control with our cutting-edge refrigerator technology. Seamlessly enhancing visibility and operation, the microprocessor controller and OLED display ensure intuitive use. Conveniently manage temperatures in precise 0.1°C increments, accessing minimum and maximum readings effortlessly for the past 12 or 24 hours.

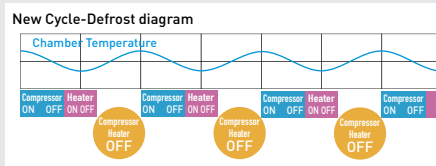
Safe & Secure Storage

Standard features include adjustable audible and visual alarms, providing a flexible alert system tailored to your needs. The password protected control panel provides security. Alarm conditions are promptly displayed and meticulously recorded for USB data retrieval.



In-Chamber Temperature Control Adapts To Ambient Temperature

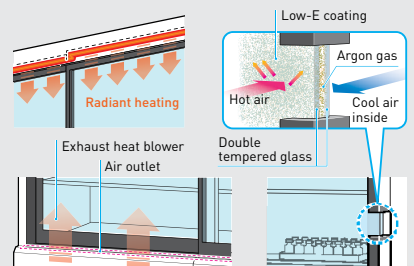
An intelligent and adaptive compressor control mechanism ensures energy efficiency while maintaining optimal performance based on environmental conditions.



* May differ from actual operation graph.

Energy Efficient Performance

Natural HC refrigerants, inverter-controlled compressors, and a new Cycle-Defrost system combine to improve temperature control. Peak-to-peak measurements at 9 positions inside the chamber indicate temperature distribution within 2°C to 8°C .

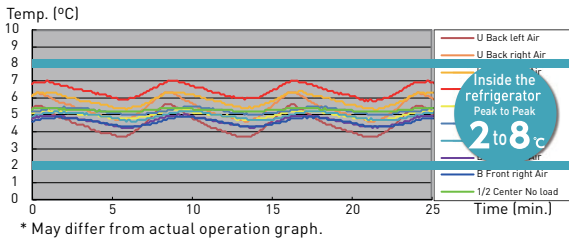


Enhanced Condensation Mitigation

The thermal, double-pane sliding glass door with Low-E coating is thoughtfully engineered to enhance energy efficiency and shield stored items from heat transfer through the window and prevent moisture formation on the glass surface.

Performance Data

Peak to Peak Measurements at 9 Positions

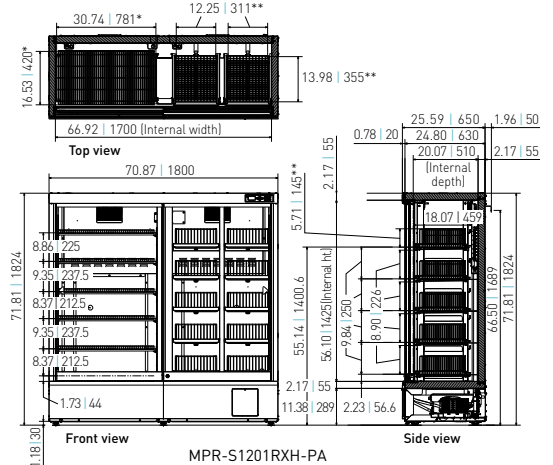
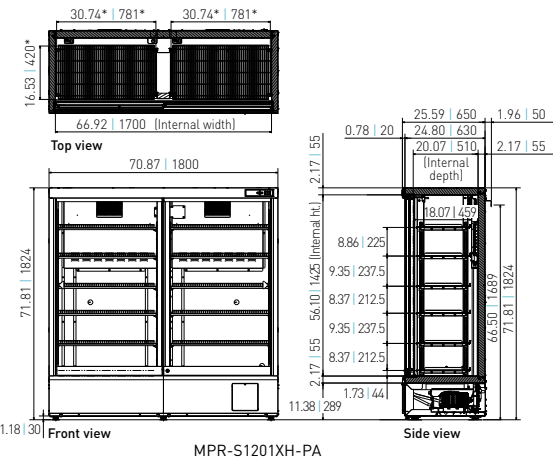


* May differ from actual operation graph.

Dimensions

Unit: inch | mm

*Shelf dimensions
**Drawer dimensions



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Model Number	MPR-S1201XH-PA	MPR-S1201RXH-PA
External Dimensions (W x D x H) ¹⁾	inches mm	70.9 x 25.6 x 71.8 1800 x 650 x 1824
Internal Dimensions (W x D x H)	inches mm	66.9 x 20.1 x 56.1 1700 x 510 x 1425
Volume	cu.ft. liters	41.1 1165
Net Weight	lbs kg	585 265
Performance		
Temperature Control Range (Preset)	°C	+2 to +14 (+5)
Uniformity ²⁾	°C	±3
Power Consumption ²⁾	kWh/Day	1.9
BTU Nominal	btu/hr	270.16
Noise Level ³⁾	dB(A)	42
Ambient Temperature Operating Range	°C	-5 to 35, humidity: 80% RH or less
Control		
Microprocessor Controller, Adjustable	°C	Increments of 0.1
Digital Temperature Display		OLED with alphanumeric messaging
Controller Security ⁴⁾		Lockable with keypad
Temperature Sensor		RTD
Refrigeration		
Cooling Method		Forced air (fin and tube)
Defrost Method		Sensor initiated cycle defrost
Refrigerant Type		R-600a (45g x 2)
Insulation		Rigid polyurethane foamed-in place
Construction		
Exterior Material		Painted steel
Interior Material		Painted steel
Outer Door	qty	2 (highly insulated double glass door with tempered glass)
Outer Door Lock		Included
Shelves	qty	12 adjustable, full width - wire 6 adjustable, left side-wire
Sliding Drawer Racks	qty	- 10 right side - wire
Shelf Dimensions (W x D x H)	inches mm	30.7 x 16.5 x 0.9 781 x 420 x 23 12.2 x 14.0 x 5.7 311 x 355 x 145
Max. Load - Per Shelf	lbs kg	110 50 44 20
Access Port	qty	3, back (right middle, right bottom, left middle)
Access Port Diameter	inches mm	1.18 30
Casters	qty	6
Leveling Legs	qty	3
Interior Light		LED
Standard Accessories		
Key	set	2 keys included
Manual		Operators
Alarms (V = Visual Alarm, B = Buzzer Alarm, R = Remote Alarm, A = Adjustable, L = Logged)		
Power Failure ⁵⁾		R
High and Low Temperature		V-B-R-A-L
Freeze Warning (Display 0° or Lower)		V-B-R
Door Open		V-B
Electrical		
Power Supply		115V, NEMA 5-15P, 60HZ, 8 ft cord length
Running Amps Max Amps		1.2 5.5
Options		
Circular Type Chart Recorders		MTR-G04A-PA (requires MPR-S7-PW)
Chart Paper		RP-G04-PW
Ink Pen		PG-R-PW
Battery Kit For Power Failure Alarm		MPR-48B2-PW
Optional Communication System		
Wireless, Cloud-Based, Automatic Data Management		LabAlert® LabSVIFT™ (Gen 3 Compatible)
4-20mA Output Module		MTR420MAC- Self Powered ⁶⁾ MTR420MAL- Loop Powered ⁶⁾
Quality Management System		
Certification		QPS Listed
Warranty ⁶⁾		3 years parts and labor

¹⁾ Exterior dimensions of main cabinet only, excluding external projections. See dimensions drawings on website for full details.

²⁾ Factory testing at ambient temperature of 23°C, temperature measurements using 9 points.

³⁾ Nominal value - background noise 20 dB(A).

⁴⁾ Password Protection

⁵⁾ Remote alarm activates at power failure, for messaging and logging must purchase accessory MPR-48B2-PW (B-V alarm).

⁶⁾ Current warranty offered at time of printing and may be subject to change, US and Canada only.

*Manufactured by others

Specifications are subject to change without notice.

For latest specification information contact PHC Corporation of North America at info@us.phcd.com.

Performance data herein is based on independent testing at time of publication.