



MPR-S300H-PA

High Performance ECO MPR-S300H-PA Pharmaceutical Refrigerator

+2°C to +14°C

12.2 cu.ft. | 345 L



The MPR pharmacy refrigerator offers a complete storage solution for high value pharmaceutical and vaccine materials within a compact footprint. Ideal for crowded pharmacies and clinics, this refrigerator uses natural refrigerant without sacrificing performance where door openings are frequent, ambient temperatures are uncomfortable and power brown-outs or outages are common.

Natural Refrigerants and Inverter Technology

Hydrocarbon [HC] refrigerants have minimal effect on the environment and are compliant with US EPA SNAP legislation for environmental sustainability. Combined with inverter compressor technology, these refrigerants provide more efficient cooling without compromising cooling capacity, ambient tolerance and recovery time following door openings.



Integrated Circulation Avoids Temperature Stratification

Natural refrigerants, variable speed inverter compressors and integrated electronics combine to help achieve facility sustainability objectives by minimizing environmental impact. Performance is maintained to assure temperature control, uniformity, recovery and tolerance to high ambient temperatures and voltage fluctuations.

OLED Control Panel

Microprocessor controller and OLED display feature good visibility and intuitive operation. Control buttons allow convenient but secure user control. Refrigerator temperature can be displayed in 0.1°C increments. Minimum/maximum temperatures are automatically displayed every 12/24 hours. All alarm conditions are displayed and recorded.



Microprocessor Controls Simplify Operation

Audible and visual alarms with adjustable setpoints warn of deviations from setpoint temperatures. System diagnostics optimize uptime with planned maintenance if required. A password-protected control interface assures operational security and eliminates risk of accidental setpoint changes. Performance history can be offloaded through an onboard USB port when desired.

User-Friendly Design

Ergonomic design provides a clear view of stored items with easy access through the large, smooth-sliding glass door. External clearance typical of a conventional sliding door is not required. Inventory security is enhanced with a key lock integrated within the door.



Space Saving Sliding Door

The sliding glass door is designed to increase energy efficiency and protect stored materials from ambient temperatures. The dual-pane thermal glass doors are filled with inert argon gas to minimize heat transfer. Air vents strategically located at the sliding door rail help reduce condensation.

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LED Interior Light

The LED interior light automatically turns on/off in conjunction with the door opening/closing. It can also be controlled from the control panel.

Defrost Methods

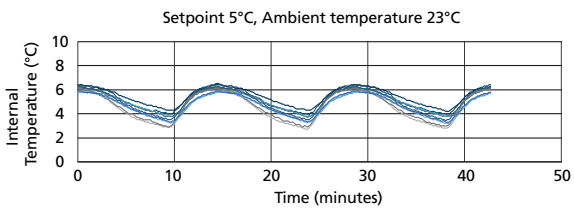
An electronically-activated defrost cycle initiates automatically when needed. The refrigerator evaporator operates above freezing at all times to prevent exposing temperature sensitive stored product to freezing temperatures.

Available Options



Wire shelves (left), Sliding racks (right)

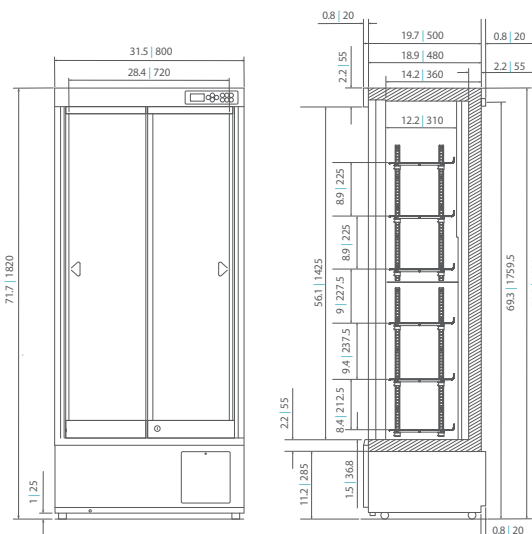
Temperature Uniformity Data



As interior air temperature stabilizes at the desired setpoint, large mass storage volume sustains tight temperature uniformity of the load inside the insulated cabinet.

Dimensions

Unit : inch | mm



Model Number		MPR-S300H-PA
External Dimensions (W x D x H) ¹⁾	inches mm	31.5 x 19.7 x 71.7 800 x 500 x 1820
Internal Dimensions (W x D x H)	inches mm	28.3 x 14.2 x 56.1 720 x 360 x 1425
Volume	cu.ft. liters	12.2 345
Net Weight	lbs kg	229 104
Performance		
Warranty ²⁾		2 years parts and labor, 3 years compressor
Temperature Control Range ³⁾	°C	2 to 14
Control		
Controller		Microprocessor with non-volatile memory
Digital Temperature Display		Digital (white graphic OLED), 1°C (increment of 0.1)
Temperature Sensor		Thermistor
Refrigeration		
Cooling Method		Fan forced air circulation
Defrost Method		Electronically actuated cycle defrost
Refrigerant		SNAP approved (R-600A)
Insulation		CFC/HFC free
Construction		
Exterior Material		Painted steel
Interior Material		Painted steel
Outer Doors	qty	2 (highly insulated double glass door with tempered glass)
Outer Door Lock		Included
Shelves	qty	6 (coated steel wires)
Shelf Dimensions (W x D)	inches mm	27.4 x 10.6 697 x 270
Max. Load - Per Shelf	lbs kg	44 20
Access Port	qty	1
Access Port Position		Rear bottom right
Access Port Diameter	inches mm	1.2 30
Casters	qty	4 (2 fixed, 2 swivel)
Interior Light		LED
Accessories Alarms		
Key	set	x 1
Alarms (V = Visual Alarm, B = Buzzer Alarm, R = Remote Alarm, A = Auto Ring Back, M = Message)		
Power Failure ⁴⁾		R ⁴⁾
High Temperature		V-B-M-A
Low Temperature		V-B-M-A
Door Open		V-B-M
Electrical and Noise Level		
Power Supply		115V / 60Hz
Noise Level ⁵⁾	dB(A)	38
Options		
Circular Type Chart Recorders		MTRC954
Chart Paper		C738176
Ink Pen	pack of 6	R252
Battery Kit For Power Failure Alarm		MPR-48B2-PW
Shelves & Sliding Racks		MPR-31RR-PW (for lower right side) MPR-31LR-PW (for lower left side)
Optional Communication System		
Wireless, Cloud-Based, Automatic Data Management		LabAlert® Monitoring System MTR-420-MAC
Self Powered Output Module		4-20MA
Quality Management System		
Certification		QPS Listed

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

²⁾ Current warranty offered at time of printing and may be subject to change; US and Canada only.

³⁾ Air temperature measured at refrigeration compartment center and freezer compartment center, ambient temperature +35°C, no load.

⁴⁾ Remote alarm includes optional power failure alarm MPR-48B2-PW (B-R alarm).

⁵⁾ Nominal value - background noise 20 dB(A).

Specifications are subject to change without notice.

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

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



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