PHCbi

Pharmaceutical Refrigerator

MPR-N200H-PA

+2°C to +14°C

7.6 cu.ft. | 218 L

ECO natural refrigerants

IC+ inverter controlled

MPR-N200H-PA

The MPR-N200H-PA Pharmaceutical Refrigerator offers a purpose-built, space-saving design engineered to meet prevailing vaccine guidelines. It utilizes energy-saving technologies and a robust, synchronous refrigeration system to deliver precise temperature control and uniformity for biologics, vaccine, and reagent storage.

Excellent Uniformity

The refrigerator provides excellent uniformity throughout the cabinet. Temperatures remain stable wherever products are stored, even in a loaded chamber. The refrigerator is engineered to prohibit inadvertent freezing of temperature sensitive vaccines.

Energy Saving Design

The PHCbi brand proprietary inverter compressor algorithm [ICA] modulates the compressor motor speed according to temperature need. Unlike standard on/off compressors, combined with energy-saving and environmentally friendly natural refrigerants the MPR-N200H-PA produces less heat, lower noise, and lower energy consumption.

Security Control and Monitoring

The microprocessor controller and softkey interface are door mounted at eye level. An OLED alphanumeric display provides convenient, secure user management. Temperature readings can be displayed in single digits or 0.1 increments. Minimum/maximum temperatures can be easily viewed. All alarm conditions are displayed and recorded. Data transfer is available through a USB port.

Optional blackout panel shown here

Versatility

This slim design fits in the smallest of footprints available in your workspace. Triple pane low E glass avoids condensation. Optional blackout panel is available to protect light-sensitive products. Energy-saving design installs into a standard electrical outlet. Four adjustable shelves provide maximum storage flexibility.

Easy to Use, Intuitive Operation

Adjustable audible and visual alarms are standard, along with integrated system diagnostics and predictive performance supervision. The password protected control panel provides data archiving with minimum / maximum temperature readings, supporting CDC clinical recording recommendations, and reduces the risk of accidental change in set point.
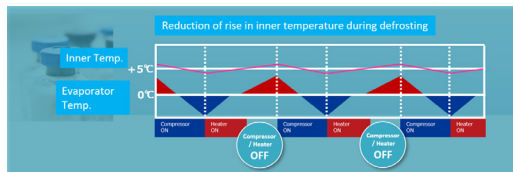
Natural Refrigerants

Hydrocarbon refrigerants help achieve facility sustainability objectives by minimizing any environmental impact without compromising cooling performance, ambient tolerance and recovery speeds following door openings.
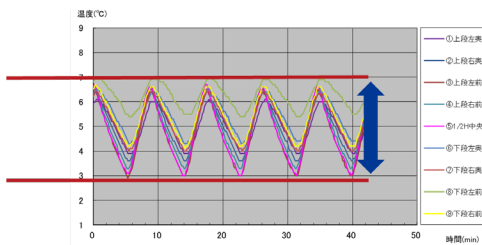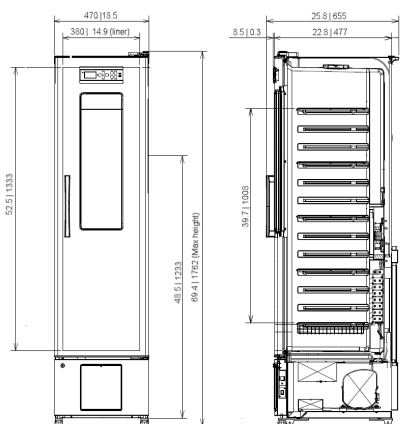
PERFORMANCE

PHC Corporation of North America

Pharmaceutical Refrigerator

MPR-N200H-PA

Cycle Defrost

Reduction of rise in inner temperature during defrosting

AT23°C SV 5° 9 Points

Dimensions

Unit : inch | mm

Model Number		MPR-N200H-PA
External Dimensions (W × D × H) [1]	inches | mm	18.2 × 22.9 × 68.3 | 470 × 580 × 1735
Internal Dimensions (W × D × H)	inches | mm	14.9 × 18.75 × 52.4 | 380 × 477 × 1333
Volume	cu.ft. | liters	7.6 | 218
Net Weight	lbs | kg	141 | 64
Performance		
Uniformity		+/-3
Temperature Control Range (Pre-set) [2]	°C	+2 to +14
Power Consumption	kWh/Day	1.73
Btu Nominal	Per Hour	358
Noise Level [3]	dB(A)	40
Ambient Temperature Operating Range	°C	-5 to +35
Control		
Controller	°C	Microprocessor with non-volatile memory
Temperature Display		Digital (white graphic OLED), 1°C (increment of 0.1)
Controller Security [4]		Lockable with Keypad
Temperature Sensor		Thermistor
Refrigeration		
Cooling Method		Forced air circulation
Defrost Method		Cycle defrost
Refrigerant	60g	R-600a
Insulation		PUF (CFC/HFC Free)
Construction		
Exterior Material		Colored Steel
Interior Material		ABS Resin
Outer Door	qty	Solid Swing Door with viewing glass
Outer Door Lock		1
Shelves	qty	4 Upper | 1 Lower
Shelf Dimensions (W × D)	inches | mm	Upper Shelves: 12.8 x 13.3 | 326 x 339 Bottom Shelf: 11.8 x 11.8 | 300 x 300
Max. Load per Shelf	lbs | kg	Upper and Lower: 44lbs (20kg)
Access Port, Qty, Position Diameter		1 x 1.2" (30mm). (Middle right Back side above evaporator)
Casters | Leveling Legs	qty	4 (2 leveling legs)
Interior Light		LED
Standard Accessories		
Key	qty	2
Manual		Operators
Alarms	(V = Visual Alarm, B = Buzzer Alarm, R = Remote Alarm, A = Adjustable, L =Logged, D= Settable delay)	
Power Failure [5]		R
High and Low Temperature		V-B-L-R-A
Air Circulation Alarm		V-B-L-R-A
Door Open		V-B
Electrical		
Power Supply		NEMA 5-15P 115V 60 hz 8ft cord length
Running Amps / Max Amps		1.8 | 2.8
Options		
Circular Type Chart Recorders		MTRC954
Chart Paper		C738177
Ink Pen		R252
Battery Kit For Power Failure Alarm	1	MPR-48B2-PW
Blackout panel with opaque tinting	1	MPR-25BP-PW
Shelves | Racks		MPR200SLF
Optional Communication Systems		
Wireless, Cloud-Based, Automatic Data Management		LabAlert® Monitoring System
4-20mA output module		MTR420MAC- Self Powered | MTRCMAL- Loop Powered
Quality Management System		
Certification		QPS (CAN/USA)
Warranty [6]		3 years parts and labor, 5 years compressor parts only

[1] Exterior dimensions of main cabinet only, excluding external projections. See dimensions drawings on the website for full details.
[2] Air temperature measured at refrigeration and corner compartment center, ambient temperature +23°C, no load.
[3] Nominal value - background noise 20 dB(A).
[4] Most models have password protection settable keypad locks.
[5] Remote alarm activates at power failure, for messaging and logging must purchase accessory MPR-48B2-PW (B-M-V alarm).
[6] Current warranty offered at time of printing and may be subject to change; US and Canada only.

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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