



MPR-N250FH-PA | 76498-952

Pharmaceutical Refrigerator with Freezer

MPR-N250FH-PA | 76498-952
MPR-N250FSH-PA | 76498-954

+2°C to +14°C Refrigerator
-30°C to -20°C Freezer

6.3 cu.ft. | 179 L
2.8 cu.ft. | 80 L



The PHCbi brand Pharmaceutical Refrigerator with Freezer offers a complete storage solution in one cabinet. This multipurpose cabinet combines high-performance refrigeration with a -30°C freezer in a small footprint for flexible, reliable and convenient vaccine and biological material storage. Refrigerated and frozen products can be stored within a single footprint. Natural refrigerants minimize environmental impact for a sustainable storage solution.

Excellent Uniformity

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

Independent Refrigeration Systems

The single cabinet includes two independent temperature controlled chambers with separate refrigeration systems. The refrigerator section operates on a high efficiency inverter compressor running at variable speed upon demand to reduce energy consumption. New EPA SNAP compliant refrigerants help meet facility sustainability goals and lower global environmental impact.

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. Refrigerator and freezer temperature can be displayed simultaneously or individually. Minimum/maximum temperatures are automatically displayed every 24 hours. All alarm conditions are displayed and recorded. Data transfer is available through a USB port.



Temperature Distribution

Temperature uniformity is maintained at all storage levels even at full load conditions. This provides even, horizontal airflow across the solid adjustable glass shelves at all shelf levels to assure optimum temperature uniformity under full load conditions.



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.



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 security and minimizes risk of accidental changes in setpoint.

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Slim Profile Cabinet Design

The space saving, ergonomic design comes in a solid door model (MPR-N250FSH-PA | 76498-954) or model MPR-N250FH-PA | 76498-952 with a triple-paned viewing window. The compact footprint permits easy installation in narrow aisles and hallways for greater flexibility. Independent key lock increases security on the refrigerator and freezer compartments.

Maximized Storage

Both compartments of this model feature a spacious capacity within the overall small footprint. The refrigerator compartment has an effective capacity of 179L and includes three adjustable, tempered glass shelves. The solid shelf construction eliminates tipping of bottles and vials. A rear wall LED light is included for product viewing. The freezer compartment has an effective capacity of 80L and includes one hard steel wire polyethylene coated shelf.

Model MPR-N250FSH-PA | 76498-954 with solid door for storage of light-sensitive products.

Defrost Methods

Both models include manual defrost for the freezer compartment. The refrigerator compartment includes an automatic defrost, which activates electronically when needed. The refrigerator evaporator operates above freezing at all times. This prevents vaccines and lab supplies from freezing.

Dimensions

Unit : inch | mm

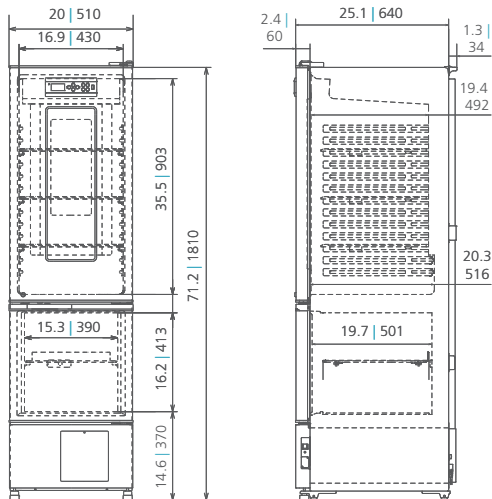


Illustration shown for Model MPR-N250FH-PA | 76498-952. Dimensions apply to models with windows and models with solid doors.

Model Number	MPR-N250FH-PA 76498-952 refrigerator / freezer	MPR-N250FSH-PA 76498-954 refrigerator / freezer
Exterior Dimensions (W x D x H) ¹⁾	inches mm	20 x 25.1 x 71.2 510 x 640 x 1810
Interior Dimensions (W x D x H)	inches mm	16.9 x 20.3 x 35.5 430 x 516 x 903 15.3 x 19.7 x 16.2 390 x 501 x 413
Volume	cu. ft. liters	6.3 179 / 2.8 80
Net Weight	lbs kg	210 95 201 91
Performance		
Warranty ²⁾		3 years parts and labor
Cooling Performance ³⁾	°C	+2 to +14 (max +2) / -30 to -20 (max -30)
Temperature Setting Range	°C	+2 to +14 / -30 to -20
Control		
Controller		Microprocessor, softkey data entry, password protected
Display		White graphic OLED
Temperature Display		Select refrigerator, freezer or concurrent
USB Logging Function		Logs 3 months of data at 1 minutes intervals
Refrigeration		
Compressor	W	(1) 120, inverter / (1) 120
Natural Refrigerant		HC R-600a / HC R-290
Construction		
Exterior and Interior Material		Colored steel / ABS resin (REF) Painted steel (FRZ)
Insulation Material, SNAP Compliant		Polyurethane foam-in-place, CFC free
Key Lock		(1) Standard, locks top refrigerator and lower freezer
Shelves	qty	(3) Tempered glass, adjustable / (1) PE coated wire
Shelf Dimension (W x D)	inches mm	14.6 x 14.96 371 x 380
Max. Load Per Shelf	lbs kg	44 20 / 22 10
Max. Load – Total	lbs kg	132 60 / 66 30
Access Port	inches mm	(1) Back wall, left 1.2 30 (1) Lower back middle 1.2 30
Casters	qty	4 (plus 2 leveling feet on front base)
Alarms (V=Visual, B=Buzzer, R=Remote Alarm Contacts, A=Adjustable, D=Settable Delay, L=Logged)		
High and Low Temperature		V-B-R-A-D-L
Power Failure		R
Power Failer With Optional Battery Kit		V-B-R-L
Fan, Compressor, Inverter		V-B-R-L
Sensor Error		V-B-L
Door Open		V-B-A-D
Freeze Warning		V-B-R-L
LED Chamber Lighting		Adjustable on/off/on door opening (refrigerator only)
Min/Max Temperature Logging		Included
Remote Alarm Contact		Yes
Electrical and Noise Level		
Power Supply		115V, 60Hz, 1Ø, NEMA 5-15R, requires NEMA 5-15R receptacle
Noise Level ⁴⁾	dB (A)	40
Temperature Recorders		
BTU Output	btu/hr	956
Circular Type, Dual Pen	6", 7 day circular	MTRC955 97014-910
Chart Paper	52 charts per box	C740306REV 76452-718
Ink Pen, Red	pack of 6	R252 76452-714
Ink Pen, Blue	pack of 6	R253 76452-716
Accessories		
Black-Out Panel for Photosensitive Product		MPR-25BP-PW -
Battery Kit For Power Failure Alarm		MPR-48B2-PW 76452-726
Analog Temperature Transmitter		MTR420MAC
Optional Communication System		
Wireless, Cloud-Based, Automatic Data Management		LabAlert® Monitoring System

¹⁾ External dimensions of main cabinet only. Excluding the door handle and other external projections
²⁾ Current warranty offered at time of printing and may be subject to change; US and Canada only
³⁾ Air temperature measured at freezer center, ambient temperature +30°C, no load
⁴⁾ Nominal value – background noise 20 dB(A)

Specifications are subject to change without notice.



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