PHCbi

MPR
Sliding Door Pharmaceutical Refrigerators

+2°C to +14°C   165 L | 345 L

ECO natural refrigerants   **IC+** inverter compressor

MPR-S150H-PE   MPR-S300H-PE

Uniform storage temperature for a broad range of applications

MPR Pharmaceutical Refrigerators offer a complete solution for the most demanding requirements for storage of pharmaceuticals, medicines, vaccines, and other temperature-sensitive applications.

Environmentally Friendly Storage Solution

Naturally occurring hydro-carbon [HC] refrigerants have minimal effect on the environment and are compliant with environmental legislation for climate control. Combined with inverter technology, these refrigerants also provide more efficient cooling without compromising performance.

OLED Control Panel

The OLED panel has good visibility and intuitive operation. It displays detailed temperatures with increment of 0.1°C, alarm conditions and minimal and maximal temperature for every 12/24 hours. The USB port and data log functions simplifies temperature data management.

User-friendly Design

The ergonomic design provides a clear view of stored items through the large framed windows. The slim profile allows easy retrieval, and the self-closing sliding doors makes them ideal for limited spaces.

PERFORMANCE €

Stable Temperatures

Inverter compressors provide optimum stability, while quality of design ensures reliability. Ideal for samples that are sensitive to temperature fluctuations. HC refigerant consumes about 64% less energy than conventional models.

Safe & Secure storage

Adjustable audible and visual alarms are standard, along with integrated system diagnostics and predictive performance. The password-protected control panel provides security and minimises risk of accidental changes. If desired alarm and operating history can be uploaded through the USB port.

Well-isolated chamber

Double glass separated by an extra wide 12 mm gap contains argon gas to protect samples from exterior heat. Combined with air blowing up from the chamber bottom, the unit completely safeguards samples and maximises energy efficiency.

PHC Corporation, Biomedical Division

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LED Interior Light

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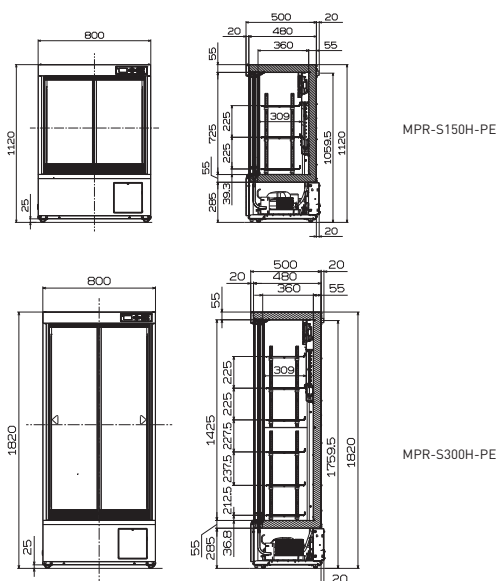
Defrost Methods

Both models includes automatic defrost which activates electronically when needed. The refrigerator evaporator operates above freezing at all times. This prevents vaccines and lab supplies from freezing.

Available options

Wire shelves (left),
Sliding racks (right)

MPR-S150H-PE

MPR-S300H-PE

Model Number		MPR-S150H-PE	MPR-S300H-PE
External Dimensions (W x D x H)[1]	mm	800 x 500 x 1120	800 x 500 x 1820
Internal Dimensions (W x D x H)	mm	720 x 360 x 725	720 x 360 x 1425
Volume	litres	165	345
Net Weight (approx)	kg	73	105
Performance			
Temperature control range [2]	°C	+2 to +14	
Control			
Controller		Microprocessor with non-volatile memory	
Display		Digital (White graphic OLED), 1°C (increment of 0.1)	
Temperature sensor		Thermistor	
Refrigeration			
Cooling Method		Forced air circulation	
Defrost method		Cyclical defrost + forced defrost	
Refrigerant		HC refrigerant	
Insulation material		PUF	
Construction			
Exterior Material		Painted Steel	
Interior Material		Painted Steel	
Outer Doors	qty	2 (Highly insulated double glass door with tempered glass)	
Outer Door Lock		Y	
Shelves	qty	3 wire shelves, coated steel	6 wire shelves, Coated steel
Dimension	mm	W695 x D283	W695 x D283
Max. load - per shelf/drawer	kg	20	
Access Port	qty	1	
Access Port Position		Back	
Access Port Diameter	Ø mm	30	
Casters	qty	4 (2 levelling feet)	
Interior light		LED	
Accessories			
Key	set	x 1	
Alarms		(R = Remote Alarm, V = Visual Alarm, B = Buzzer Alarm)	
Power Failure[3]		R [3]	
High Temperature		V-B-M-R	
Low Temperature		V-B-M-R	
Door open		V-B-M	
Electrical and Noise Level			
Power Supply	V	220/230/240/50Hz	
Noise Level[4]	dB [A]	38	
Options			
Temperature chart recorder		MTR-0621LH-PE	
- Chart paper		RP-06-PW	
- Recorder housing		MPR-S30-PW	
Circular type chart recorders		MTR-G04C-PE	
- Chart paper		RP-G04-PW	
- Ink pen		PG-R-PW	
- Recorder housing		MPR-S7-PW	
Battery kit for power failure alarm		MPR-48B2-PW (V-B) [3]	
Drawer Rack		-	MPR-31RR-PW (for lower Right side) MPR-31LR-PW (for lower Left side) [5]
Optional Communication Systems			
Digital interface (RS232C/RS485) [6]		MTR-480-PW	
Ethernet interface (LAN) [6]		MTR-L03-PW	

Appearance and specifications are subject to change without notice.

PUF = Rigid polyurethane foamed insulation

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

[2] Air temperature measured at refrigeration compartment centre and freezer compartment centre, ambient temperature +30ºC, no load.

[3] Remote alarm includes optional power failure alarm MPR-48B2-PW (V, B,M,R alarm).

[4] Nominal value - Background noise 20dB (A)

[5] Only used in combination with MPR-31RR.

[6] Only for MTR-5000 (data acquisition system) users.

Caution: PHC Corporation guarantees this product under certain warranty conditions. However, please note that PHC Corporation shall not be responsible for any loss or damage to the contents of the product.