

Pharmaceutical Refrigerators

MPR-215F
MPR-414F/414FS

Preservation
above-zero

Refrigerator Temperature

+2°C to +14°C

Freezer Temperature

-20°C to -30°C

Effective Capacity

Refrigerator:

Freezer:

176L/6.2cu.ft. **39L/1.4cu.ft.** (MPR-215F)

340L/12.0cu.ft. **82L/2.9cu.ft.** (MPR-414F/FS)

Pharmaceutical Refrigerator features a built-in Freezer

- One unit with dual temperature zone
- Superior cooling performance
- Quiet operation
- Various alarm and safety devices



MPR-215F

MPR-414F

MPR-215F/414F/414FS

Features

Safe Storage

- Microprocessor control system provides accurate temperature.
- Fan-forced air circulation system (refrigerator) offers fast recovery of temperature and better uniformity.
- Unique cycle defrost system prevents temperature rising by shorter defrost cycles which activate after each compressor cycle.
- Various safety systems such as high/low temperature audible and visual alarms, remote alarm, door ajar alarm and keyed door locks.
- MPR-414FS has no glass on the door to keep contents unseen.

Usability

- One unit with dual temperature zone needs only minimal installation space.
- Four-door design reduces air loss during door opening and makes efficient use of space in front of unit. (MPR-414F/FS)
- Triple-pane (MPR-414F) or double-pane (MPR-215F) windows with heat reflection film reduce condensation.
- Zero adjustment through control panel and optional recorder provide easier validation service.

Quiet Operation

- Two specially designed compressors offer quiet operation.

Specifications

Model No.	MPR-215F		MPR-414F/414FS	
	Refrigerator	Freezer	Refrigerator	Freezer
External dimensions (W x D x H)	540 x 557 x (45)* x 1794 (mm) 21.3 x 21.9 x (1.8)* x 70.6 (inch) *projection		800 x 600 x 1805 (mm) 31.5 x 23.6 x 71.1 (inch)	
Internal dimensions (W x D x H)	455 x 466 x 917 (mm) 17.9 x 18.3 x 36.1 (inch)	420 x 342 x 267 (mm) 16.5 x 13.5 x 10.5 (inch)	720 x 495 x 1425 (mm) 28.3 x 19.5 x 56.1 (inch)	317 x 440 x 586 (mm) 12.5 x 17.3 x 23.1 (inch)
Effective capacity	176L (6.2 cu.ft.)	39L (1.4 cu.ft.)	340L (12.0 cu.ft.)	82L (2.9 cu.ft.)
Net weight (Approx.)	86kg (190 lbs.)		414F: 126kg (278 lbs.)/414FS: 119kg (262 lbs.)	
Exterior	Galvanised steel with baked on finish			
Interior	Styrene resin	Colored aluminum plate	Stainless steel	Colored aluminum plate
Insulation	Rigid polyurethane foamed in place			
Temperature range	+2°C to +14°C (Ambient temp. : 30°C)	-20°C to -30°C (Ambient temp. : 30°C)	+2°C to +14°C (Ambient temp. : 35°C)	-20°C to -30°C (Ambient temp. : 30°C)
Temperature control	Microprocessor control			
Cooling method	Fan-forced air circulation	Direct cooling	Fan-forced air circulation	Direct cooling
Compressor	55W	55W	160W	160W
Refrigerant	HFC			
Shelves (max. load)	3 (20kg/shelf)	1 (10kg/shelf)	Large: 2 (25kg/shelf) Small: 3 (15kg/shelf)	1 (15kg/shelf)
Access port	ø 30mm (left)	ø 30mm (left)	ø 30mm (rear)	ø 30mm (rear)
Casters	4 casters with 2 adjustable leveling feet			
Alarm and safety	High/low temperature alarm, Door ajar alarm, Memory back-up during power failure Self diagnostics, Remote alarm contact (DC30V, 2A), Door key lock			
Options	2-pen type circular recorder: MTR-G3504, Mounting kit: MPR-S7-PW Recorder for freezer: MTR-4015LH-PE, Mounting kit: MPR-S30-PW Recorder for refrigerator: MTR-0621LH-PE Drawers for the bottom left compartment: MPR-41R (MPR-414F/FS only) Panasonic DAQ System: MTR-5000-PW, MTR-480-PW/MTR-L03-PW			

Voltage specification by destination

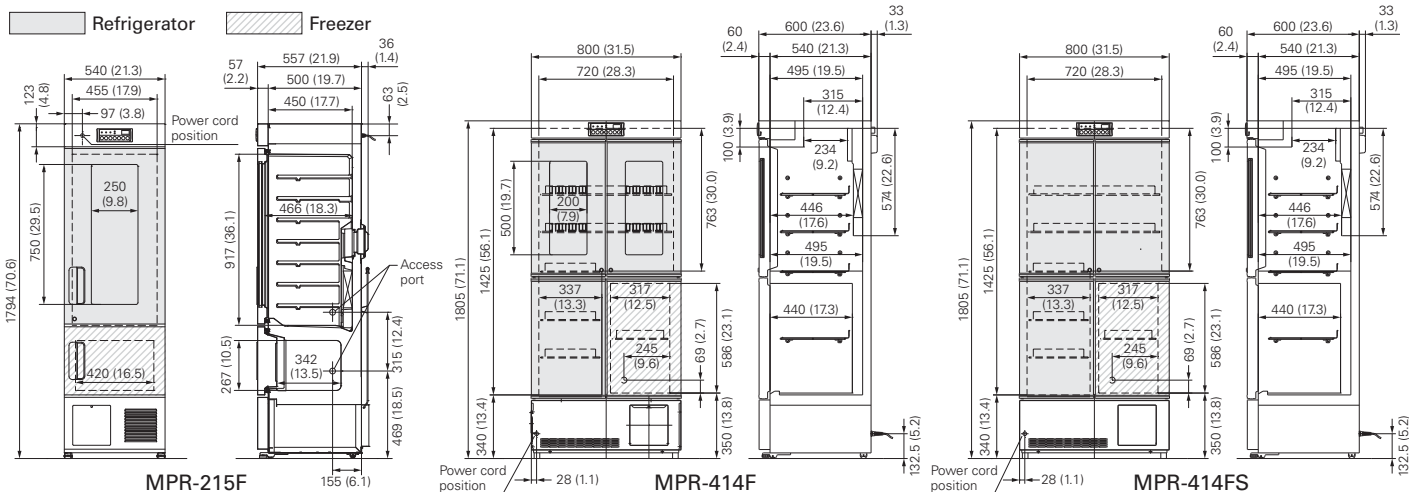
Representative destination	Voltage/Hz (CE)	MPR-215F-PE	MPR-414F-PE/MPR-414FS-PE
Europe	230V, 50Hz (CE)	MPR-215F-PE	MPR-414F-PE/MPR-414FS-PE
Korea	220V, 60Hz	MPR-215F-PK	MPR-414F-PK/MPR-414FS-PK
Thailand	220V, 50Hz	MPR-215F-PB	MPR-414F-PB/MPR-414FS-PB
Taiwan	110V/220V, 60Hz	MPR-215F-PT	MPR-414F-PT/MPR-414FS-PT

*Cooling performance is indicated by the temperature reached at the center of the freezer (at ambient temperature of 30°C with no load). In order to use the freezer at a stable temperature for a long time, it is recommended that the temperature be set to at least 5°C higher than the indicated lowest temperature. In addition, depending on the usage conditions, it may not be possible to reach the indicated lowest temperature.

Caution: Panasonic guarantees the product under certain warranty conditions. Panasonic in no way shall be responsible for any loss of content or damage to content.
• Appearance and specifications are subject to change without notice.

Dimensions

Unit: mm (inch)



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Quality management system: ISO9001
Medical devices quality management system: ISO13485



Panasonic Healthcare Co., Ltd., Gunma Factory is certified for:
Environmental management system: ISO14001

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