

Preservation
above-zero



MPR-215F

MPR-414F

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-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. | | | |
|-----------------------------------|---|---|--|---|
| 110V, 60Hz | MPR-215F-PT | | — | |
| 115V, 60Hz | MPR-215F-PA | | MPR-414F-PA / MPR-414FS-PA | |
| 110V/115V, 60Hz | — | | MPR-414F-PT / MPR-414FS-PT | |
| 220V, 50Hz | — | | MPR-414F-PB / MPR-414FS-PB | |
| 220V, 60Hz | MPR-215F-PK MPR-215F-PR | | MPR-414F-PK / MPR-414FS-PK | |
| 230V/240V, 50Hz (CE) | — | | MPR-414F-PE / MPR-414FS-PE | |
| 220V/230V/240V, 50Hz (CE) | MPR-215F-PE | | — | |
| | Refrigerator | Freezer | Refrigerator | Freezer |
| External dimensions (W x D x H)*1 | 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 576 (mm) 12.5 x 17.3 x 22.7 (inch) |
| Effective capacity | 176 liters (6.2 cu.ft.) | 39 liters (1.4 cu.ft.) | 340 liters (12.0 cu.ft.) | 82 liters (2.9 cu.ft.) |
| Net weight (Approx.) | 86 kg (190 lbs.) | | 414F: 126 kg (278 lbs.)/414FS: 119 kg (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 | 55 W | 55 W | 160 W | 160 W |
| 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, Recorder fixing: MPR-S7-PW, Recorder for freezer: MTR-4015LH-PE, Recorder fixing: MPR-S30-PW, Recorder for refrigerator: MTR-0621LH-PE, Drawers for the bottom left compartment: MPR-41R (MPR-414F/FS only), Data acquisition system: MTR-5000-PW, MTR-480-PW/MTR-L03-PW | | | |

*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.

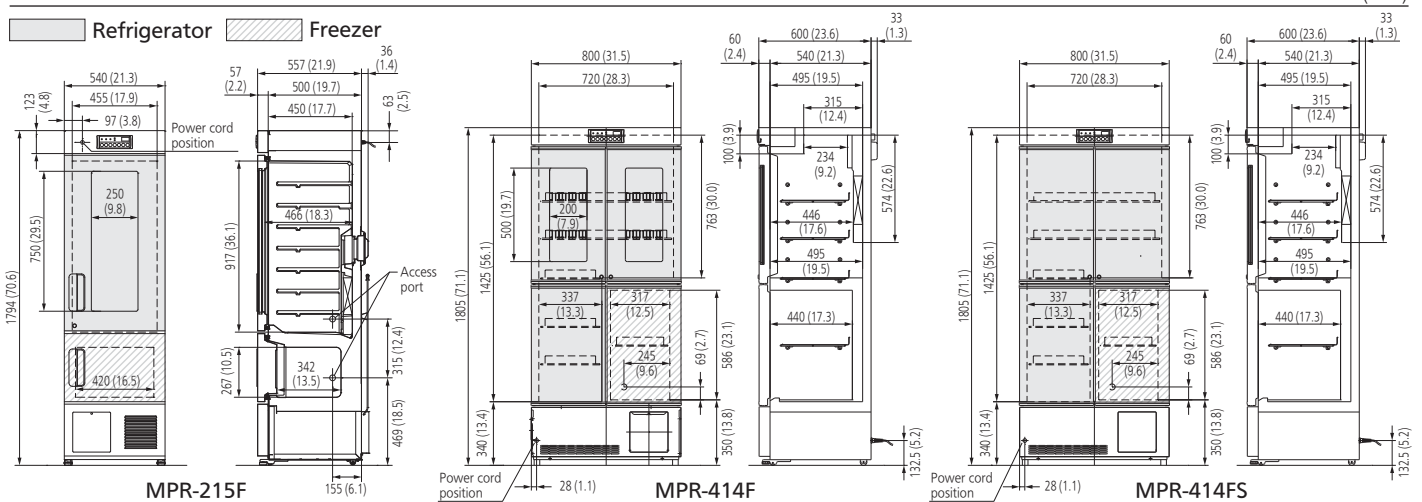
In addition, depending on the usage conditions, it may not be possible to reach the indicated lowest temperature.

Caution: Panasonic guarantees the product under certain warranty conditions. Panasonic is in no way shall be responsible for any loss of content or damage to content.

*Appearance and specifications are subject to change without notice.

*1 External dimensions of main cabinet only - see dimension drawings showing handles and other external projections.

Dimensions



Preservation, Culturing, Drying, and Sterilization Equipments



The management of the design, development, production, sales support, and servicing of the above.

Panasonic Healthcare Co., Ltd. Biomedical Division

1-1-1 Sakata, Oizumi-machi, Oura-gun, Gunma, Japan 370-0596

Panasonic Healthcare Co., Ltd. Biomedical Division, the producer of Pharmaceutical Refrigerators, is certified by TÜV SÜD for the product quality management system.



Panasonic Healthcare Co., Ltd., Biomedical Division is certified for:

Environmental management system: ISO14001

DISTRIBUTED BY:

Panasonic®

<http://www.panasonic-healthcare.com/>

Printed in Japan 2103-2014-09-BB