

Laboratory Refrigerators

MPR-721/721R

Provides stable and reliable cooled environment and storage conditions for various research applications



MPR-721

Movable wire shelves for test apparatus and storage flexibility

Capacity
684 Liter
(24.1 cu.ft.)

Temperature range
+2 to 14 °C
(Ambient temp. -5 to 0°C)

+2 to 23 °C
(Ambient temp. 0 to 35°C)



MPR-721R

Pull-out drawers for convenient filing of storage items

Capacity
671 Liter
(23.6 cu.ft.)

Temperature range
+2 to 14 °C
(Ambient temp. -5 to 0°C)

+2 to 23 °C
(Ambient temp. 0 to 35°C)



New control panel with improved operability and visibility

MPR-721/721R

Features

Wide temperature control range

With a temperature range of 2°C to 23°C, MPR-721/721R is ideally suited for various applications from environmental settings for cooled-temperature tests to large-scale storage of reagents, media, samples, and drugs.

*When automatic temperature recorder MTR-0621LH is used, the temperature recordable range is from -6°C to +20°C.

Speedy & Powerful refrigeration

To cope with frequent door openings, MPR-721/721R are equipped with powerful, hermetically sealed compressors. These purpose-built compressors ensures superior pull down characteristics and precise temperature control.

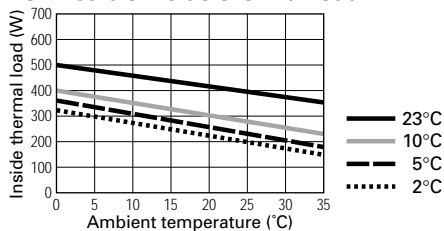
Comprehensive alarms

In addition to Low/High temperature alarms and door ajar alarm, power failure alarm can be installed as an option.

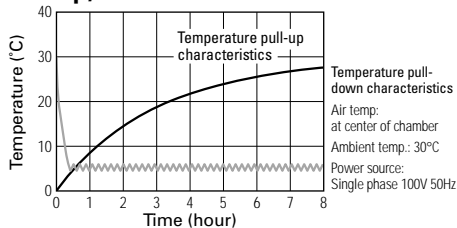
Drawer racks (MPR-721R)

Equipped drawer racks with a profile of 100 mm (3.9 inches) deep and 530 mm (20.8 inches) from front-to-back, these drawers are deep enough to hold large bottles or reagent kits. They also allow convenient, space-efficient storage and management of patient medications and other items.

Permissible inside thermal load



Pull-up/Pull-down characteristics



Options



Strip chart temperature recorder
MTR-0621LH
Chart paper
RP-06
Recorder mounting bracket
MPR-S30



Circular temperature recorder
MTR-G04
Chart paper
RP-G04
Recording pen
PG-R
Recorder mounting bracket
MPR-S7

External mounting
Power Failure Alarm
MPR-48B
SANYO DAQ (Data Acquisition) System
MTR-480/MTR-2000/MPR-48B
(as mounting bracket)

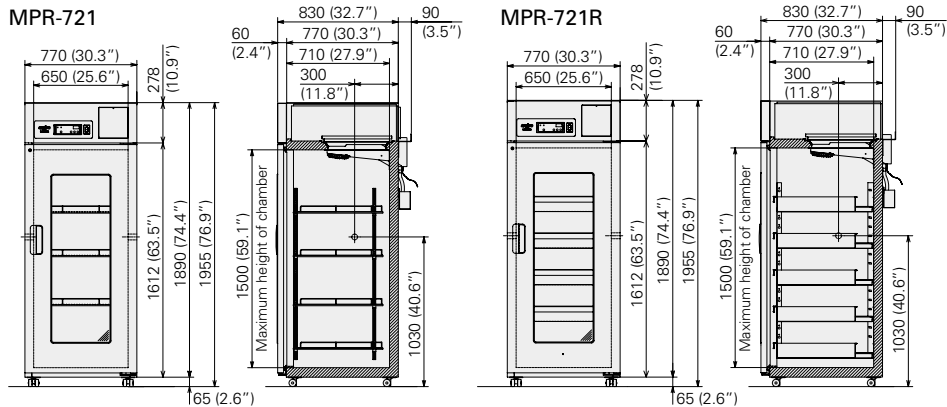
Specifications

| Model | MPR-721 | MPR-721R |
|---------------------------------|---|--|
| Exterior dimensions (W x D x H) | 770 x 830 x 1955 mm (30.3" x 32.7" x 77.0") | |
| Interior dimensions (W x D x H) | 650 x 710 x 1500 mm (25.6" x 27.9" x 59.1") | |
| Effective capacity | 684L (24.1 cu.ft.) | 671L (23.6 cu.ft.) |
| Exterior cabinet | Galvanised steel with baked on finish | |
| Interior cabinet | Galvanised steel with baked on finish | |
| Door | A door with double pane window, self closing, glass protection film attached | |
| Insulation | Rigid polyurethane foamed-in-place | |
| Shelves & Sliding racks | 4 adjustable polyester-coated wire shelves, W565 x D604 mm, Max.load: 50 kg per shelf | 5 coated steel sliding racks, W550 x D530 mm, Max.load: 40 kg per rack |
| Access port | 3 locations with 30mm diameter: 2 in sides, 1 in cabinet top | |
| Key | 1 cylinder key | |
| Casters | 4 pcs | |
| Cooling method | Forced air circulation with single fan | |
| Compressor | Hermetic reciprocating type, 200W | |
| Evaporator | Fin and tube type | |
| Condenser | Wire and tube condenser | |
| Fan motor | For cooling 4W x 1 | For condensing 4W x 1 |
| Refrigerant | HFC refrigerant | |
| Defrost method | Forced type (cycle defrost system), fully automatic hot pipe for automatic evaporation for drain water | |
| Rated power consumption | 290/300W (100V, 50Hz/100V, 60Hz) | |
| Maximum heat discharge | 1368/1548kJ/h (100V, 50Hz/100V, 60Hz) | |
| Temperature control method | Microprocessor controlled on/off type. Thermistor sensor Temp. control range: 2°C to 14°C (ambient temp. -5°C to 0°C no-load) 2°C to 23°C (ambient temp. 0°C to 35°C no-load) | |
| Temperature display | Digital display (1°C increment) | |
| Safety features | High/Low temp. protection circuit, Remote alarm contact, Tamper proof function, Self diagnosis, Memory backup (nonvolatile memory) | |
| High/Low temp. alarm | Flashing LED & buzzer | |
| Door ajar alarm | Flashing lamp. Buzzer after 2-minute delay | |
| Interior lamp | 20W x 1, Fluorescent lamp | |
| Net weight (Approx.) | 174 kg (384 lbs.) | 193kg (426 lbs.) |

Caution:
SANYO guarantees the product under certain warranty conditions.
SANYO 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)]



SANYO Electric Co., Ltd., Biomedical Division, Gunma is certified for:

Quality management system: ISO9001 / Medical devices quality management system: ISO13485 / Environmental management system: ISO14001

RoHS (European Restriction of Hazardous Substances directives) compliant

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