

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.

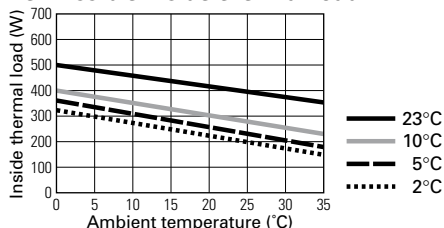
### Comprehensive alarms

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

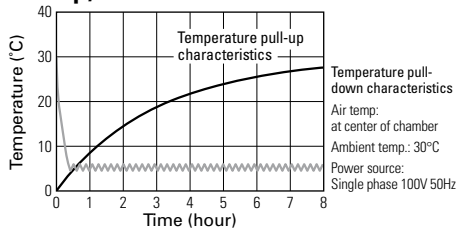
### Drawer racks (MPR-721R)

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)

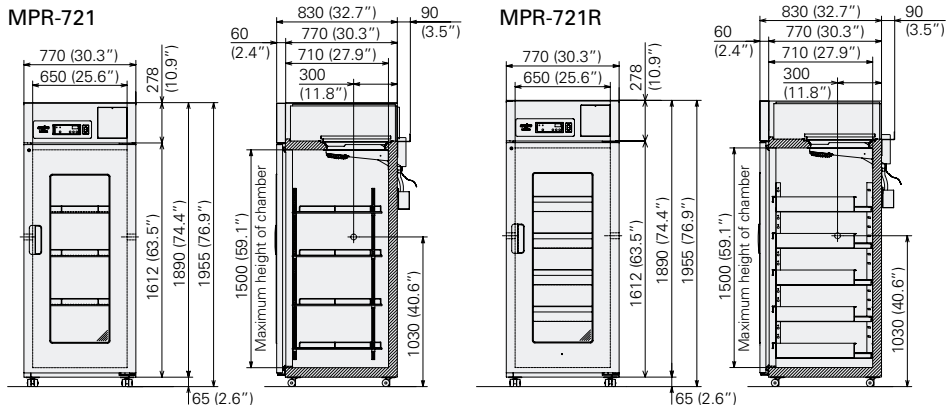
## Specifications

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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