

MDF-U731M

Temperature range
(Ambient temp. 35°C)

-20 to -30°C

Effective capacity

690 liters/24.4 cu.ft.

**Direct cooling and
Manual defrost**

Large-capacity biomedical freezer with direct cooling and manual defrost

- High freezing power
- Large capacity
- Direct cooling system and manual defrost
- Top-mount cooling unit design for usability
- Adjustable wire shelves
- Alarm and safety devices
- Self-diagnosis function



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Features

Stable temperature control

The MDF-U731M provides precise and uniform storage temperatures regardless of ambient conditions through microprocessor temperature control.

Energy-saving operation

The specially designed compressor results in an energy-saving medical freezer with superior cooling and quiet operation.

Improved security

Standard door lock and independent padlock ensure extra security. (*padlock not supplied)

Sturdy cabinet construction with superior insulation

The integral foamed cabinet structure is extra strong and prevents cold air loss.

Manual defrost

Manual defrost freezers provide stable temperature control and do not exhibit the transient temperature increases that can be associated with auto-defrost type freezers. The MDF-U731M is therefore ideal for storing your important, temperature-sensitive samples.

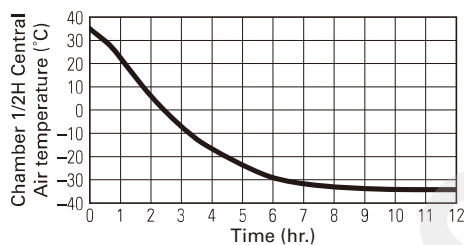
Movable wire shelves allow free position adjustment

Control panel

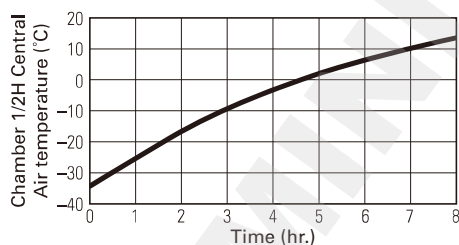


Performance Data

Pull-down characteristics



Pull-up characteristics



Conditions: AT 35°C, no load, measured at center of chamber

Specifications

Model	MDF-U731M
Temperature range	-20°C to -30°C (1°C increments)
Maximum cooling performance	-30°C (Ambient temperature: 35°C)
External dimensions (W x D x H)	770 x 830 x 1955mm (30.3" x 32.7" x 77.0")
Internal dimensions (W x D x H)	650 x 700 x 1520mm (25.6" x 27.6" x 59.8")
Effective capacity	690 liters (24.4 cu.ft.)
Net weight (approx.)	150kg (331 lbs.)
Exterior	Galvanised steel with baked-on finish
Interior	Galvanised steel with baked-on finish
Insulation	HFC-free HC rigid polyurethane foamed in-place
Temperature control	Microprocessor control
Compressor	Hermetic type (400 W)
Defrosting system	Manual defrost
Refrigerant	HFC
Shelves (max. load)	4 adjustable wire shelves (50kg/110lbs.)
Access port	ø 30mm (left)
Casters	4 casters with 2 adjustable feet
Alarm and safety	High / Low temperature alarm, Power failure alarm, Door ajar alarm, Compressor temp. alarm, Self-diagnosis function, Remote alarm contact (DC30V, 2A), Memory backup
Accessories	1 scraper, 1 key set, 2 large & 2 small nylon clips (for temperature recorder)

*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: 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.

Options



7-day circular recorder
MTR-G85



32-day strip chart recorder
MTR-4015LH

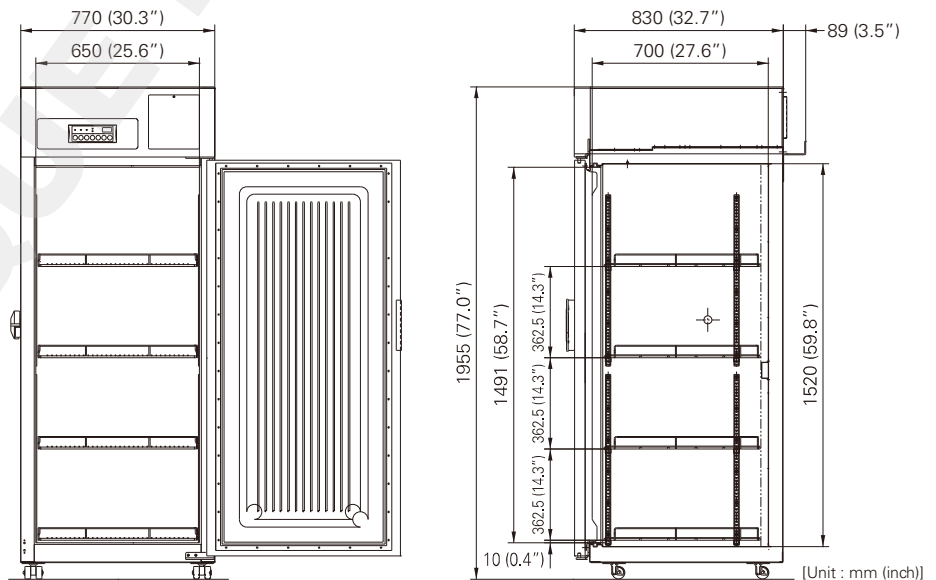
3 sets of shelves
MDF-T07ST
2 sets of containers
MDF-T07SC



Recorder mounting bracket
MPR-S7

Recorder mounting bracket
MPR-S30

Dimensions



We design and manufacture the product in accordance with ISO9001 requirements.

Distributed by:

SANYO

SANYO Electric Co., Ltd.
Biomedical Division
<http://biomedical.sanyo.com/>

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SHR188