

SANYO



MDF Series -30°C Biomedical Freezer

MDF-U5312



Features:

- Energy-saving storage solutions for uniformity, reliability and environmentally-safe operation.
- SANYO designed refrigeration systems for precise and stable reagent and biologics storage.

www.sanyobiomedical.com

My Life. My Work. My Choice.

MDF-U5312



MDF Series -30°C Biomedical Freezer

SANYO MDF series biomedical freezers are designed for short- or intermediate-term storage at temperatures as low as -30°C. Constructed with high-performance laboratory and clinical-grade refrigeration systems, these freezers are used in medical, biotechnology and industrial labs for storage of blood components, enzymes, culture media, reagents, specimens and vaccines.

SANYO-Designed Refrigeration

SANYO designed and manufactured compressors specifically for storage applications in a laboratory environment. Application specific refrigeration assures stable, uniform temperatures throughout the chamber.

Microprocessor Controls

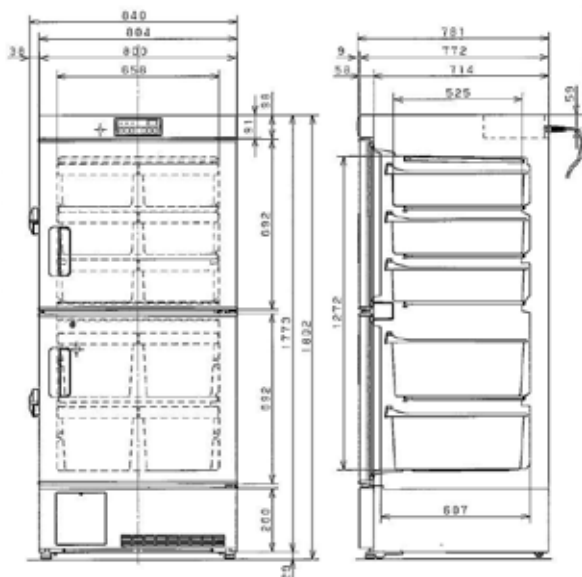
Comprehensive setpoint, alarm, monitoring and diagnostic functions maintained by SANYO-built microprocessor controller with digital display of all input/output function.

Enzyme & Biologics Preservation (Manual Defrost)

Validatable storage at -30°C and -20°C with constant stable control. Because there is no defrost cycle, uniform temperatures are maintained throughout the chamber using evaporator shelf cooling.

Environment-Friendly

HFC refrigerant R-404A is environment-friendly and offers superb performance. A pre-coated metal body design causes less environmental damage than outer paint coating. All SANYO equipment is also RoHS compliant. (European directive on the Restriction of Hazardous Substances)



Safety Features

Designed with a host of safety features including high/low temperature alarms, power failure alarms, remote alarm contacts, self diagnostics, and an optional recording system.

MDF-U5312 Specifications

External Dimensions (w x f-b x h)	31.5" x 30.4" x 70.9" 800 x 772 x 1802 mm
Interior Dimensions	25.9" x 23.9" x 50.1" 658 x 607 x 1272 mm
Capacity	17.0 cu. ft. 482 L
Control Range	-20°C to -30°C, with memory backup
Defrost System	Manual, defrost button on display
Storage	Top: 6 medium baskets (3 fixed evaporator shelves) Bottom: 4 large baskets (1 evaporator shelf and bottom)
Access port	30 mm diameter, rear
Cooling System	Hermetic rotary compressor, ½ HP
Refrigerant	R-404A (HFC)
Visual and Audible Alarm System	High/low temperature alarm (SV ±5°C to ±15°C adjustable with ring-back function); Power Failure; Remote alarm contacts (N.O./N.C.)
Calibration	Zero adjustment via control panel
Electrical Requirements	115V, 60 Hz, 1 phase, 2.1 amps running, NEMA 5-15P plug
Weight	Net Unit Weight: 260 lbs. Shipping Weight: 293 lbs.
Security	Display Keylock, Keyed outer doors, Standard padlock hasp per door
Optional Accessories	7-day temperature circular recorder (MTR-C954); Strip Chart Temperature Recorder (MTR-4014LH); Mounting Kit (MPR-S30)

These appearances and/or specifications of the products referred in this publication are subject to partial changes without notice.

