

SANYO

CFC-Free Ultra-Low Temperature Freezer

- Personal & in-lab
- Enhanced security
- Improved accessibility

MDF-U3286S



-86°C



333L (11.8 cu.ft.)
216 2" inventory boxes

MDF-U3286S

Features

RELIABILITY

- New automatic microprocessor temperature control allows precise settings and greater operational ease.
- Specially designed compressor and cascade refrigeration system for ultra-low temperature applications.
- SANYO's cooling technology with superior cabinet design ensures accurate storage conditions. Two independent and insulated inner doors prevent cold air leakage.

SAFETY

- Alarm lamp and buzzer offer secure warning of power failure or abnormal temperature increase.
- High and low temperature warning provides an audible and visual alarm when the temperature deviates more than $\pm 5^{\circ}\text{C}$ to $\pm 20^{\circ}\text{C}$ (adjustable) from the set point.
- Alarm ring back function ensures buzzer to resume, should alarm conditions continue after it is silenced.
- Microprocessor-controlled filter-clogged check function protects the refrigeration circuit.

EASY TO USE

- New rugged, one-handed outer door latch has a hole to allow a padlock to securely protect valuable samples.
- Newly designed control panel with digital display for easy operation.



ACCESSIBILITY

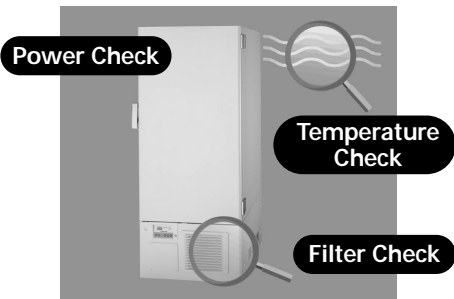
- A new beak style inner door latch tightly closes the inner door against the freezer frame. It also helps make opening and closing the door smoother.
- The condenser filter is situated at the bottom right side of the front panel to make filter removal and cleaning easier.
- Limited installation space requirement of this freezer makes it "Personal & In-lab."



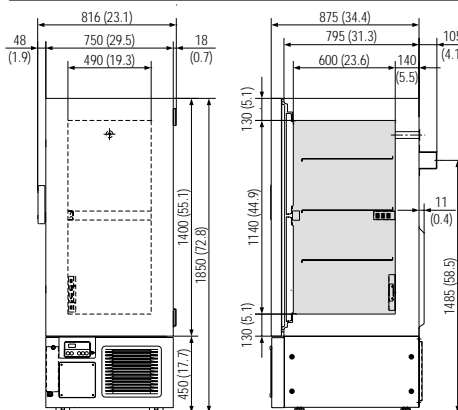
Specifications

Model	MDF-U3286S
Temperature range	-50°C to -86°C
Cooling performance	-86°C (Ambient temp. 30°C)
Exterior dimensions (W x D x H)	750 x 875 x 1850mm (29.5" x 34.4" x 72.8")
Interior dimensions (W x D x H)	490 x 600 x 1140mm (19.3" x 23.6" x 44.9")
Net weight	273kg (602 lbs.)
Effective capacity	333L (11.8 cu.ft.)
Shelf	Stainless steel, 3 shelves Adjustable W464 x D535mm, Max. load: 50kg (110 lbs.)/shelf
Access port	17mm diameter, 3 locations (back, bottom left/right corner)
Compressor	Hermetic type, Output: 400 W (high stage side), 600 W (low stage side)
Refrigerant	HFC
Alarm	High/low temperature, Power failure, Filter check, Battery check
Remote alarm contact	Allowable contact capacity: DC 30V, 2A
Accessories	1 set of keys, 1 scraper

*Appearance and specifications are subject to change without notice.

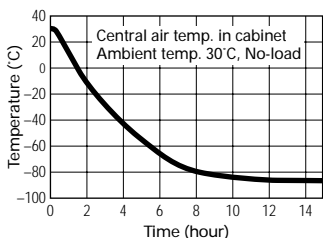


Dimensions [Unit : mm (inch)]

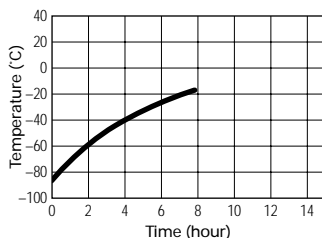


Performance Data

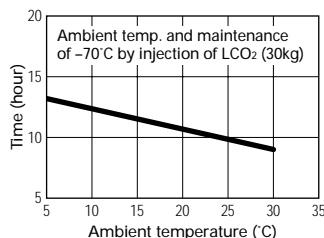
Pull-down characteristics



Pull-up characteristics during power failure



CO₂ backup system operation characteristics



Options



Rack Capacity

For 2-inch box	
IR-216U	6
IR-220U	6
For 3-inch box	
IR-312U	12



SANYO DAQ (Data Acquisition) system
MTR-480
MTR-2000

ISO 9001 & 14001 certified

Distributed by:



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