

Ultra Low Temperature Freezer

MDF-86V588E

Ultra Low Temperature Freezer are specially designed to store samples products.

Features

- Wide temperature range :10°C~32°Cambient temperature can reach -86°C.
- Accurate Temperature control technology to make the temperature maintain -40°C~-86°Cand accuracy 0.1 °C.
- Independent research and development of mixed refrigerant can make device save energy 50%.
- Better uniformity, uniformity is increased 30%.
- The single level optimization of auto cascade refrigeration system design, less refrigeration component for easy maintenance.
- 304 stainless steel inner chamber for friendly using and easy cleaning.
- VIPIPLUS technology, special narrow design for entering elevators.

Safety

- Build-in back-up battery to display temperature and to operate audible and visual alarm system for up to 72 hours without AC power.
- Visual and audible alarm system:High/low temperature,Power failure,Abnormal voltage,Sensor error,Filter screen check,Low battery,Condenser clean,High ambient temperature,Door ajar alarm
- Power failure protection: turn on delay of the cooling system when power failure,restart delay protection.
- Keyboard lock, password protection to avoid set parameter randomly.
- Special noise reduction design.

Humanized design

- 4 casters with stopper for easy moving and fixation.
- Standard 25mm test hole for easy connecting to temperature monitoring systems.
- 3 adjustable shelves for easy storing.
- Removable condenser dust gauze convenient for cleaning and maintenance.
- Removable inner door for user to defrost and clean.
- Standard USB port,USB port to read temperature and alarm conditions in recent 1 months.

Special

- Patented technology, mixed refrigerant.
Save energy up to 50%.
Wide voltage design: 198V~242V available.
Build-in back-up battery: 72 hours power failure alarm.
9 visual and audible alarms.



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Parameters

Performance

Temperature Range	-40~-86℃
Ambient Temperature	+10~+32℃
Controller	Microprocessor
Display	Digital Display

Refrigeration System

Compressor/Brand	2/SECOP
Refrigerant	Mixed
Cooling Type	Direct cooling
Defrost Type	Manual

Electrical Data

Power Supply(V/Hz)	220/50~60; 115/60
Rated Power(W)	800
Electrical Current(A)	6.9
Power Consumption	12.5kWh/24h
Power failure backup system	72H

Dimensions

Capacity	588L
Interior Size(W*D*H)	606*738*1310mm
Exterior Size(W*D*H)	872*1192*1994.5mm
Package Size(W*D*H)	950*1118*2185mm
N.t./G.t.(approx)	249/275kg
Loading Qty(20'/40'/40'H)	12/24/24

Alarm

High/Low Temperature	Y
Sensor Error	Y
Power Failure	Y
Door ajar	Y
High Ambient temp.	Y
Condenser clean	Y
Low battery	Y
Filter screen check	Y
Abnormal voltage	Y

Accessories

chart recorder	/
Caster	4
USB port	Y
Remote alarm port	Y
RS232/485 port	Y
Inner Door/shelf	2/3
Test hole	1/25MM
CO2/LN2 back up system	Optional
Cold storage box loading QTY	40000

