-86°C Ultra Low Temperature Freezer

FSF-86V838E

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

Features

- Ambient temperature :10℃~32℃.

- Accurate Temperature control technology to make the temperature maintain -40℃~-86℃and accuracy 0.1℃.

- 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.

- VIPⅡPLUS 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: 187V~242V available.

Build-in back-up battery: 72 hours power failure alarm.

9 visual and audible alarms.

Performance	
Temperature Range	-40~-86°C
Ambient Temperature	+10~+32°C
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)	1700
Electrical Current(A)	9.8
Power Consumption	18.8kWh/24h
Power failure backup system	72H

Dimensions	
Capacity	838L
Interior Size(W*D*H)	894*718*1310mm
Exterior Size(W*D*H)	1175*1075*1990mm
Package Size(W*D*H)	1270*1100*2185mm
N.t./G.t.(approx)	344/430kg
Loading Qty(20'/40'/40'H)	8/18/18

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	
Data Logger	Optional
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	60000