



**-25~+30°C**

# **Biomedical Portable Cooler**

**Model: MDF-25H80LC**

(Version: 2024-5)



## Applications

Biomedical portable coolers are specially designed to store and transport blood, serum, plasma, vaccines, reagents, and special medicines for epidemic prevention stations, blood banks, health centers, CDC, animal husbandry bureau, army, and pharmaceutical companies.

## Features

- Accurate microprocessor controller especially for biomedical use and resolution of 0.1°C.
- Suggested ambient temperature: +10~32°C.
- Integrated and strong PE body to resist impact and corrosion.
- High-efficiency air cooling system to ensure good temperature uniformity.
- Auto switch cooling and heating system to ensure the inside temperature in all climatic conditions.
- Wide voltage design, able to be used when the voltage is between 187V~242V AC and 12V/24V DC.

## Security

- Standard protective basket to prevent the samples from being frozen off by the evaporator.
- Built-in backup battery to power the controller and save temp. data when power failure or system error.
- Visual and audible alarm system.
- Power failure protection: turn-on delay of the cooling system after power failure.
- Controller error protection: The cooling system will remember the normal working cycle and keep working depending on this memory when the controller or two sensors fail.

## Humanized design

- Different power ports for AC/DC connection to avoid wrong operation.
- Stackable, friendly for space-limited place.



## Specifications

Model NO.	MDF-25H80LC
<b>Main Specifications</b>	
Temperature Range	-25 ~ +30 °C
Ambient Temperature	10~32°C
Capacity (L/Cu. Ft.)	80 / 2.83
Interior Dimensions (W×D×H) mm	547×378×369.5
Exterior Dimensions (W×D×H) mm	937×565×580.5
Weight	47 kgs
Noise	46 dB
<b>Control and Power</b>	
Controller	Microprocessor
Display	Digital
Sensor	NTC
Voltage and Frequency	AC 187~242V, 50/60Hz; DC 12V
Power	100 W
Electric Current	DC 8 A
Power Consumption (kWh/24h)	1.6
<b>Audible and Visual Alarms</b>	
High / Low Temp. Alarm	Yes
Power Failure Alarm	Yes, 8h
Sensor Error Alarm	Yes
Controller Error Alarm	Yes
<b>Refrigeration</b>	
Refrigeration Type	Forced-air Cooling
Defrost	Manual
Compressor (Brand/pcs)	Chinese Brand / 1
Refrigerant / Weight (kgs)	R134a / 65g
<b>Cabinet</b>	
Door (pcs)	PE Foamed Solid Door / 1
Interior Cabinet Material	PE
Exterior Cabinet Material	PE
Insulation Material	PURF (δ80mm)
Fixed / Levelling Feet (pcs)	4 / 0
<b>Accessories</b>	
Voltage Stabilizer	Optional
USB Data Download Port	Optional
Temperature Datalogger	Optional
<b>Shipping</b>	
Package	Carton box
Shipping Weight	55 kgs
Shipping Size (W×D×H)	990×630×630
Shipping Volume	0.39 CBM