

+2~8°C/-25°C



Biomedical Combined Refrigerator & Freezer

Model: MRF-25V300

(Version: 2024-5)



Applications

Combined Refrigerator & Freezer are specially designed to store medicines, vaccines, blood plasma, reagents, and many other biological materials which are widely used in research institutions, clinics, and electronic and medical fields.

Features

- Microprocessor control, ensure good inner temperature uniformity, accuracy is 0.1°C
- Double outside doors and two independent chambers.
- HC green refrigerant is energy-saving and environmentally friendly.
- Wide available voltage range: 187V~242V.

Security

- Safety door lock and controller password to prevent unauthorized access.
- Built-in backup battery to display temperature and alarms 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

- Adjustable shelves (Refrigerator) and drawers (Freezer) for easy storage.
- Auto on/off LED light with manual switch on the control panel (Only for refrigerator).
- Auto on/off cooling fan to prevent cold air from leaking out when the door is opening.
- Casters and adjustable feet for easy moving and fixation.



Specifications

Model NO.	MRF-25V300
Main Specifications	
Temperature Range	F: -10 ~ -25 °C; R: 2 ~ 8 °C
Ambient Temperature	10 ~ 32°C
Capacity (L/Cu. Ft.)	R: 198 / 6.99; F: 102 / 3.6
Interior Dimensions (W×D×H) mm	R: 565×480×759; F: 461×465×600
Exterior Dimensions (W×D×H) mm	650×620×1980
Weight	100 kgs
Noise	49 dB
Control and Power	
Controller	Microprocessor
Display	Digital
Sensor	NTC
Voltage and Frequency	187~242V, 50/60Hz
Power	349 W
Electric Current	2.5 A
Power Consumption (kWh/24h)	3.3
Audible and Visual Alarms	
High / Low Temp. Alarm	Yes
Power Failure Alarm	Yes, 8h
Sensor Error Alarm	Yes
Controller Error Alarm	Yes
Door Ajar Alarm	Yes
Refrigeration	
Refrigeration Type	R: Forced-air Cooling; F: Direct Cooling
Defrost	R: Auto; F: Manual
Compressor (Brand/pcs)	Chinese Brand / 2
Refrigerant / Weight (kgs)	R: R290 / 44g; F: R290 / 30g
Cabinet	
Door (pcs)	Foamed Solid Door / 2
Fixed / Adjustable Shelf (pcs)	2 / 2
Drawer (pcs)	3
Interior Cabinet Material	ABS
Exterior Cabinet Material	Coated Steel
Insulation Material	R: PURF (δ40mm); F: PURF (δ90mm)
Door Lock	Yes
LED Lamp	R: Yes; F: -
Fixed / Levelling Castors (pcs)	4 / 0
Fixed / Levelling Feet (pcs)	0 / 2
Accessories	
Voltage Stabilizer	Optional
Temperature Datalogger	Optional
Shipping	
Package	Carton box with pallet
Shipping Weight	120 kgs
Shipping Size (W×D×H)	720×695×2015
Shipping Volume	1.01 CBM