



+2~8°C/-40°C

Biomedical Combined Refrigerator & Freezer

Model: MRF-40-528



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: 220V±10%.

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 (Only for refrigerator).
- Casters and adjustable feet for easy moving and fixation.



Specifications

Model NO.	MRF-40-528
Main Specifications	
Temperature Range	F: -20 ~ -40 °C; R: 2 ~ 8 °C
Ambient Temperature	10 ~ 32°C
Capacity (L/Cu. Ft.)	R: 273 / 9.64; F: 255 / 9
Interior Dimensions (W×D×H) mm	R: 765×640×635; F: 651×636×635
Exterior Dimensions (W×D×H) mm	900×818×1870
Weight	174 kgs
Noise	50 dB
Control and Power	
Controller	Microprocessor
Display	Digital
Sensor	NTC
Voltage and Frequency	220V±10%, 50/60Hz
Power	527 W
Electric Current	3.02 A
Power Consumption (kWh/24h)	7.06
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
Abnormal Ambient Temp. 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	R290 / 84g
Cabinet	
Door (pcs)	R: Foamed Glass Door / 1; F: Foamed Solid Door / 1
Shelf (pcs)	5
Drawer (pcs)	9
Interior Cabinet Material	Coated Steel
Exterior Cabinet Material	Coated Steel
Insulation Material	R: PURF (δ38mm); F: PURF (δ95mm)
Door Lock	Yes
LED Lamp	R: Yes; F: -
Test Hole (pcs)	2
Castors (pcs)	4
Leveling Feet (pcs)	2
Accessories	
USB Data Download Port	Yes
Remote Alarm Port	Yes
RS485 Port	Optional
Temperature Datalogger	Optional
Temperature Printer	Optional
Temperature Chart Recorder	Optional
Shipping	
Package	Carton box with pallet
Shipping Weight	204 kgs
Shipping Size (W×D×H)	930×980×2020
Shipping Volume	1.84 CBM

* Due to continuous product upgrades, the above specifications are for reference only. For the latest specifications, please contact us.