



+2~8°C/-25°C

Biomedical Combined Refrigerator & Freezer

Model: MRF-25V528

(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-25V528 |
|---------------------------------|--|
| Main Specifications | |
| Temperature Range | F: -10 ~ -25 °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 | 168 kgs |
| Noise | 50 dB |
| Control and Power | |
| Controller | Microprocessor |
| Display | Digital |
| Sensor | NTC |
| Voltage and Frequency | 187~242V, 50/60Hz |
| Power | 431 W |
| Electric Current | 2.9 A |
| Power Consumption (kWh/24h) | 5.56 |
| 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 (kgs) | R: R290 / 28g; F: R290 / 58g |
| Cabinet | |
| Door (pcs) | R: Foamed Glass Door / 1; F: Foamed Solid Door / 1 |
| Fixed / Adjustable Shelf (pcs) | 3 / 2 |
| 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) | Φ25mm / 2 |
| Fixed / Levelling Castors (pcs) | 4 / 0 |
| Fixed / Levelling Feet (pcs) | 0 / 2 |
| Accessories | |
| Voltage Stabilizer | Optional |
| USB Data Download Port | Yes |
| Remote Alarm Port | Optional |
| RS232 / RS485 Port | Optional |
| Temperature Datalogger | Optional |
| Temperature Printer | Optional |
| Shipping | |
| Package | Carton box with pallet |
| Shipping Weight | 198 kgs |
| Shipping Size (W×D×H) | 921×960×1950 |
| Shipping Volume | 1.72 CBM |