## Combined Refrigerator & Freezer

MRF-40V368 Medical Combined Refrigerator and Freezer (upper 2~15°C and lower -40°C) (upper 2~8°C and lower -25°C) is widely used in hospitals, blood stations and laboratories. The product has double chamber, double display, double control system, two sets of individual compressor and refrigeration system. Temperature in both chambers can be independently adjusted.



MRF-40/25V368

### Product Advantages

**Multi-Scene Applications**
Compact double-chamber design ideal for diverse environments.

**Heated Glass Design**
Enables fast defogging and prevents condensation buildup

**Coil Evaporator**
Superior performance and is easy to maintain

**Suction Circulation System**
Low temperature fluctuation and excellent uniformity

**Lockable Doors**
Standard locks & padlocks

**Large LED Displays**
Easy to operate with integrated USB port for data access

**Precise Temp. Control**
Temperature accuracy up to ±0.1°C

**6 Types of Alarm**
Audible and visual alarms

**Adjustable Interior Space**
Adjustable shelves and drawers

**Eco-friendly**
CFC-free refrigerant and energy-saving

## Combined Refrigerator & Freezer

### Internal Structure

Individual LED display for each chamber

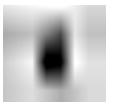
Individual control system for each chamber

Double-layered heated glass

PURF formed glass door



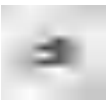
Ergonomic handles
Padlock holes



Access ports



Lock & Key



USB Interface



Leveling feet
Universal Casters

2 compressors
2 cooling systems





Fin evaporator with Suction circulation fan

Adjustable shelves

Pressure Equalization Port

Ice drawers

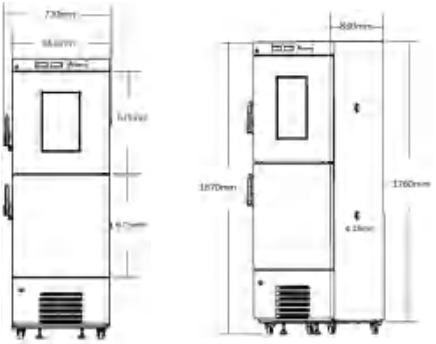



Refrigerator air-forced circulation system keeps the chamber temperature fluctuation small at 5±3°C.

The coil evaporator evenly distributes air around the cabinet. Perfect control of temperature & uniformity in the chamber

Side cross-sectional view

### Product Dimensions



MRF-25V368

## Product Parameters

| Model | | MDF-40V528 | MRF-25V528 | MDF-40V368 | MRF-25V368 | MRF-25V300 |
|---|---|---|---|---|---|---|
| Technical Parameters | Shelves/Drawers/Quantity | Shelves/3 Drawer/9 | Shelves/3 Drawer/9 | Shelves/3 Drawer/6 | Shelves/3 Drawer/6 | Shelves/2 and draws/3 |
| | Cooling Method | Direct cooling | Direct cooling | Direct cooling | Direct cooling | Direct cooling |
| | Defrost | Manual | Manual | Manual | Manual | Manual |
| | Refrigerant Type | R290 | R290 | R290 | R290 | R290 |
| | Power Consumption (kWh/24h) | 7.06 | 5.56 | 6.9 | 4.38 | 3.3 |
| | Noise (dbA) | 50 | 50 | 50 | 50 | 49 |
| | Ambient Temperature (°C) | 10~32 | 10~32 | 10~32 | 10~32 | 10~32 |
| | Temperature Range (°C) | F: -20°C~-40°C<br>R: 2°C~8°C | F: -10°C~-25°C<br>R: 2°C~8°C | F: -20°C~-40°C<br>R: 2°C~8°C | F: -10°C~-25°C<br>R: 2°C~8°C | F: -10°C~-25°C<br>R: 2°C~8°C |
| Cooling System | Compressor Brand/Quantity | CUBIGEL/2 | CUBIGEL/2 | CUBIGEL/1, HUAYI/1 | External Brand/2 | External Brand/2 |
| | Condenser | Wire-on-tube | Wire-on-tube | Wire-on-tube | Wire-on-tube | Wire-on-tube |
| | Sensor | NTC | NTC | NTC | NTC | NTC |
| | Temperature Controller | Microprocessor | Microprocessor | Microprocessor | Microprocessor | Microprocessor |
| | Display | Dual independent digital display | Dual independent digital display | Digital display | Dual independent digital display | Digital display |
| Power | Voltage/Frequency (V/Hz) | 220V/50Hz | 220V/50Hz | 220/50Hz | 220V/50Hz | 220V/50Hz |
| | Power (W) | 527 | 431 | 458 | 363 | 349 |
| | Current (A) | 3.02 | 2.9 | 2.45 | 2.81 | 2.5 |
| Material | Internal Material | Cold rolled steel | Cold rolled steel | Powder coated steel | Cold rolled steel | High-strength polymer |
| | External Material | Cold rolled steel | Cold rolled steel | Powder coated steel | Cold rolled steel | Cold rolled steel |
| | Insulation | PURF | PURF | PURF | PURF | PURF |
| Size | Capacity (L/Cu. Ft) | R:273 F:255 | R:273 F:255 | 368/12.99 | R: 183 F: 185 | R: 198 F: 102 |
| | NT./GT. (kg) | 174/194 | 168/188 | 145/175 | 130/170 | 100/120 |
| | Exterior Size (W×D×H)(mm) | 900×818×1870 | 900×818×1870 | 720×830×1870 | 720×830×1870 | 650×620×1980 |
| | Interior Size (W×D×H)(mm) | R: 765×640×635<br>F: 651×636×635 | R: 765×640×635<br>F: 651×636×635 | F: 580×626×625<br>R: 466×636×625 | R: 580×626×625<br>F: 466×636×625 | R: 565×480×759<br>F: 461×465×600 |
| | Package Size (W×D×H)(mm) | 921×960×1950 | 970×925×2015 | 780×920×2000 | 770×915×1990 | 725×700×2120 |
| | CBM ($m^2$) | 1.72 | 1.81 | 1.44 | 1.40 | 1.08 |
| | 20GP/40GP/40HQ | 12/24/24 | 12/24/24 | 14/39/39 | 14/39/39 | 24/48/48 |
| Alarm | High/Low Temperature | Y | Y | Y | Y | Y |
| | Power Failure | Y | Y | Y | Y | Y |
| | Sensor Error | Y | Y | Y | Y | Y |
| | Filter Check | / | / | / | / | / |
| | Temperature Controller Failure | Y | Y | Y | Y | / |
| | Low Battery Alarm | Optional (Free) | Optional (Free) | Optional (Free) | Optional (Free) | / |
| | Condenser Clean | Y | Y | Y | Y | / |
| | High Ambient Temperature | Y | Y | Y | Y | Y |
| | Door Ajar | Y | Y | Y | Y | Y |
| | Power Failure Alarm (For controller) | 8h | 8h | 8h | 8h | 8h |
| Accessories | Caster | Y | Y | Y | Y | Y |
| | Test Hole | 2/25MM | 2/25MM | 2/25MM | 2/25MM | 2/25MM |
| | USB Port | Y | Y | Y | Y | / |
| | Data Logger | Optional | Optional | Optional | Optional | Optional |
| | Remote Alarm | Optional (Free) | Optional (Free) | Optional (Free) | Optional (Free) | / |
| Other | Certifications | ISO 9001/13485/14001/45001 CE | ISO 9001/13485/14001/45001 CE | ISO 9001/13485/14001/45001 CE | ISO 9001/13485/14001/45001 CE | ISO 9001/13485/14001/45001 CE |