Combined Refrigerator & Freezer

The MRF-40/25V528 Medical Combined Refrigerator and Freezer features an upper chamber with a temperature range of 2° C~15° C or 2° C~8° C, and a lower chamber capable of reaching -25° C or -40° C, depending on the model. Widely used in hospitals, blood banks, and laboratories, this unit is designed for versatile medical storage needs. It includes two independent chambers, each with its own digital display, control system, and dedicated compressor and refrigeration circuit. Temperatures in each chamber can be independently adjusted, ensuring flexible and reliable storage conditions.



MRF-40/25V528

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

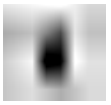
Individual control system for each chamber

Double-layered heated glass

PUF formed glass door



Ergonomic handles
Padlock latches

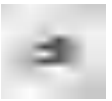


Service ports





Lock & Key



USB Interface



Leveling feet
Universal Caster Wheels

2 compressors
2 cooling systems



LED internal light

Fin evaporator with Suction circulation fan

Adjustable shelves

Pressure Equalization Port

Ice drawers

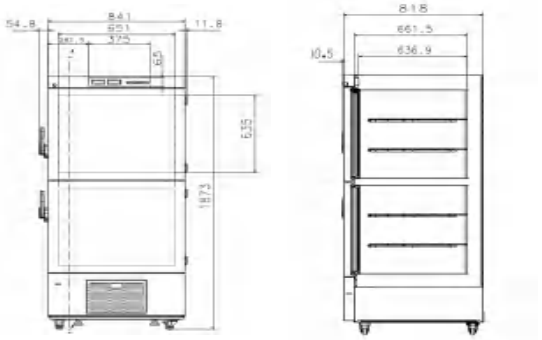


Refrigerator air-forced circulation system keeps the chamber temperature fluctuation small at 5±3°C.

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

Side cross-sectional view

Product Dimensions



MRF-25V528

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 R: 2°C~8°C	F: -10°C~-25°C R: 2°C~8°C	F: -20°C~-40°C R: 2°C~8°C	F: -10°C~-25°C R: 2°C~8°C	F: -10°C~-25°C 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 F: 651×636×635	R: 765×640×635 F: 651×636×635	F: 580×626×625 R: 466×636×625	R: 580×626×625 F: 466×636×625	R: 565×480×759 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