

# Combined Refrigerator and Freezer

## Thick insulation

Made from environmental friendly material.  
Ensures low energy consumption.

## Automatic defrosting

## Easy-to-maintain interior

Anti-corrosion and easy cleaning

## Adjustable shelves

## Door lock

prevent unauthorized access

## Solid protection

Made from rust-proof, cold steel  
with white powder coating

**Microprocessor control and digital display**  
ensures inside temperature at 2-8°C and makes  
temperature resolution 0.1°C

## Forced-air cooling

## Glass door

double-layer glass with electrical  
heater decrease condensation

## Foaming door

double layer seals,  
reduce cold leakage

## ABS Drawers design,

convenience for classified storage

Castors with brake,  
easy moving and lock

## > Features

### ● Intelligent Control System

High-precision microprocessor temperature control system with digital LED temperature display 0.1°C accuracy.

Temperature: Refrigerator: 2°C ~ 8°C, Freezer: -10°C ~ -40°C/ -10°C ~ -25°C

The digital display can show the freezer work condition and alarm code, it is easy to know the freezer status

3 Channel sensors for cooling, display and ambient temperature

### ● Security Alarm System

Audible and visible alarm system for safe storage

High temperature alarm, Low temperature alarm, Sensor failure alarm,

Door ajar alarm, Power failure alarm,

Low battery alarm, High ambient alarm, USB failure alarm

Optional for the remote alarm contact



## > Overview

### ● Refrigeration System

Refrigerator compartment is forced-air cooling, freezer compartment is direct cooling

Two compressors control the refrigeration chamber and freezer chamber separately

Reliable compressor and fan, ensure fast cooling, energy-saving and long time running

Environment friendly refrigerant CFC-free and HCFC-free

### ● Cabinet Construction

Powder coated steel exterior

50mm thickness Non-CFC foamed insulation in refrigerator compartment and 100mm thickness in freezer compartment

Doorlock prevents unauthorized open

Low noise design creates a comfortable working environment

Superior engineered frame for maximum rigidity

Refrigerator compartment has adjustable shelves and one drawer, freezer compartment has fixed shelves integrated with evaporator and ABS drawers

## > Specification

Model	MRF-288A		MRF-350A		MRF-450A		MRF-288		MRF-350		MRF-450		
Technical Data	Chamber	Refrigerator	Freezer	Refrigerator	Freezer	Refrigerator	Freezer	Refrigerator	Freezer	Refrigerator	Freezer	Refrigerator	Freezer
	Capacity (L)	188	100	183	185	315	204	188	100	183	185	315	204
		Total: 288		Total: 368		Total: 519		Total: 288		Total: 368		Total: 519	
	Cabinet Type	Upright		Upright		Upright		Upright		Upright		Upright	
	Climate	N		N		N		N		N		N	
	Door Type	Double-layer Glass Door	Solid Door	Double-layer Glass Door	Solid Door	Double-layer Glass Door	Solid Door	Double-layer Glass Door	Solid Door	Double-layer Glass Door	Solid Door	Double-layer Glass Door	Solid Door
	Cooling Type	Forced Air Cooling	Direct Cooling	Forced Air Cooling	Direct Cooling	Forced Air Cooling	Direct Cooling	Forced Air Cooling	Direct Cooling	Forced Air Cooling	Direct Cooling	Forced Air Cooling	Direct Cooling
	Defrost Mode	Auto	Manual	Auto	Manual	Auto	Manual	Auto	Manual	Auto	Manual	Auto	Manual
	Refrigerant	CFC-free		CFC-free		CFC-free		CFC-free		CFC-free		CFC-free	
Noise(dB)	42		42		42		42		42		42		
Performance	Temperature Range (°C)	2~8	-10 ~ -40	2~8	-10 ~ -40	2~8	-10 ~ -40	2~8	-10 ~ -25	2~8	-10 ~ -25	2~8	-10 ~ -25
Control	Controller	Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor	
	Display	LED Digital		LED Digital		LED Digital		LED Digital		LED Digital		LED Digital	
Electrical Data	Power Supply(V/Hz)	220~240V 50/60Hz 110V 60Hz		220~240V 50/60Hz		220~240V 50/60Hz 110V 60Hz		220~240V 50/60Hz 110V 60Hz		220~240V 50/60Hz		220~240V 50/60Hz 110V 60Hz	
	Power(W)	600		300		600		600		300		600	
	Electric(A)	2.23		2.45		2.23		2.23		2.37		2.23	
Dimensions	Internal Dimensions(W×D×H,mm)	600*510*710	500*460*505	580*626*625	466*636*625	750*610*740	650*560*565	600*510*710	500*460*505	580*626*625	466*636*625	750*610*740	650*560*565
	External Dimensions(W×D×H,mm)	745×650×1845		730×830×1880		910×740×1972		700×640×1828		720×830×1870		910×740×1972	
	Packing Dimensions(W×D×H,mm)	828×746×1925		775×920×1990		990×855×2062		828×746×1925		775×920×1990		990×855×2062	
	Net/Gross Weight (kg)	146/160		137/166		186/205		146/160		137/166		186/205	
	Container Load (20'/40'/40'H)	18/36/36		18/36/36		12/24/24		18/36/36		12/24/24		12/24/24	
Functions	Remote Alarm	High/Low Temperature , Remote Alarm , Power Failure Alarm , Sensor Error Alarm , Low Battery Alarm , High Ambient Temperature Alarm , USB Failure Alarm						High/Low Temperature , Remote Alarm , Power Failure Alarm , Sensor Error Alarm , Low Battery Alarm , High Ambient Temperature Alarm , USB Failure Alarm					
Accessories	Door Lock	1	1	1	1	1	1	1	1	1	1	1	1
	Caster	4		4		4		4		4		4	
	Test Hole	Y		Y		Y		Y		Y		Y	
	Shelf/Drawer	3/1	2/3	3/-	2/6	3/1	2/6	3/1	2/3	3/-	2/6	3/1	2/6
	USB Interface	Y		Y		Y		Y		Y		Y	