

DW-FW270

Refrigeration System

- •The Freon-free refrigerant, international famous brand compressor and fan can guarantee fast cooling and are energy-saving and environmentally friendly;
- · The CFC-free Polyurethane foaming technology can ensure great thermal insulation performance.

Temperature Control System

The high-precision microcomputer temperature control system and platinum resistor temperature sensors ensure more precise temperature control.

Human-oriented Design

- The high-quality steel plate structure, corrosion-resistant phosphate coating and stainless steel liner are low temperature tolerant and corrosion-resistant.;
- · The low noise design can create a comfortable work environment.





Temperature Control System

- · High precision microcomputer temperature control, more accurate;
- · Chamber temperature can be set within a range from -20 to -40°C;
- High-precision microcomputer temperature control system and platinum resistor temperature sensors ensure more precise temperature control.



Refrigeration System

- ·HCFC-free refrigerant, reliable compressor and fan supplied by international famous brand guarantee fast cooling and are energy-saving and environmentally friendly;
- · CFC free polyurethane foaming technology, perfect insulation performance. Hot gas surrounding line to prevent from condensation.





Security System

- ·The start delay and stopping interval protection function can ensure reliable operation;
- The well-developed security system with multiple audible & visual alarm function: sensor failure alarm, high & low temperature alarm, power failure alarm, low battery alarm, condenser overheated alarm to ensure the safety sample storage;
- · Door with key lock to prevent opening without permission.
- · Back-up battery for display and alarms system during power failure for supportive safety notification.



Human-oriented

- · The design of upward door opening and the alancing door hinge facilitate door opening;
- High quality phosphate steel structural coating, stainless steel lining and easy cleaning, low noise design, 4 universal casters for easy movement, equipped with door locks to ensure sample safety.

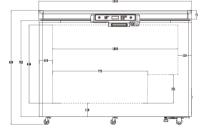
Scope of Application

Suitable for use in blood banks, hospitals, health and disease prevention systems, research institutions, colleges & universities, the electronic industry, biological engineering, laboratories in colleges & universities, military enterprises, deep-sea fishing companies, etc.

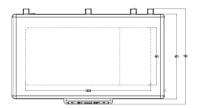
Performance Data / Cooling Curve



External Dimensions









Model DW-FV270 Cabinet Type Chest Capacity(L) 270 Internal Size(W*D*H)mm 1019*465*651 External Size(W*D*H)mm 1245*775*929 Package Size(W*D*H)mm 1332*815*975 NW/GW(Kgs) 77.85 Performance **** Temperature Range -20~40°C Ambient Temperature 16-32°C Cooling Performance -40°C Climate Class N Controller Microprocessor Display Digital display Refrigeration *** Compressor 1pc Cooling Method Direct cooling Defrost Mode Manual Refrigerant R290 Insulation Thickness(mm) 110 Construction External Material Cold rolled steel sheet Inner Material Stainless steel Coated Hanging Basket 1 Coated Hanging Basket 1 Coated Hanging Basket 1 Coaters	-40°C Ultra-low Temperature Freezer	
Capacity(L) 270 Internal Size(W*D*H)mm 1019*465*651 External Size(W*D*H)mm 1245*775*929 Package Size(W*D*H)mm 1332*815*975 NW/GW(Kgs) 77/85 Performance Temperature Range -20~40°C Ambient Temperature 16-32°C Cooling Performance -40°C Climate Class N Controller Microprocessor Display Digital display Refrigeration Compressor Conding Method Direct cooling Defrost Mode Manual Refrigerant R290 Insulation Thickness(mm) 110 Construction External Material Cold rolled steel sheet Inner Material Stainless steel Coated Hanging Basket 1 Door Lock with Key Yes Foaming Lid Optional Access Port 1pcs. Ø 25mm Casters 4 Door with Heater High/Low t	Model	DW-FW270
Internal Size(W*D*H)mm 1019*465*651 External Size(W*D*H)mm 1245*775*929 Package Size(W*D*H)mm 1332*181*975 NW/GW(Kgs) 7/85 Performance -0~40°C Ambient Temperature 16-32°C Cooling Performance -40°C Climate Class N Controller Microprocessor Display bigital display Refrigeration 0 Compressor 1pc Cooling Method Direct cooling Defrost Mode Manual Refrigerant 8290 Insulation Thickness(mm) 10 Construction External Material Cold rolled steel sheet Inner Material Stainless steel Coated Hanging Basket 1 Door Lock with Key Yes Foaming Lid Optional Access Port 1pcs. Ø 25mm Casters 4 Door Lock with Key Yes Coating Method Dispersive Method System Bowe	Cabinet Type	Chest
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Package Size(W*D*H)mm 1332*815*975 NW/GW(Kgs) 77/85 Performance -20~40°C Ambient Temperature 16-32°C Cooling Performance -40°C Climate Class N Controller Microprocessor Display Digital display Refrigeration Compressor 1pc Cooling Method Direct cooling Defrost Mode Manual Refrigerant R290 Insulato Thickness(mm) 110 Construction External Material Stainless steel Coated Hanging Basket 1 Door Lock with Key Yes Foaming Lid Optional Access Port 1pcs. Ø 25mm Casters 4 Door with Heater Hot gas surrounding Alarm Temperature Electrical Power failure, low battery System Sensor failure Electrical Power Supply(VHZ) Power Consumption (KWh/24h)	Internal Size(W*D*H)mm	1019*465*651
NW/GW(Kgs) 77/85 Performance Temperature Range -20~40°C Ambient Temperature 16-32°C Cooling Performance -40°C Climate Class N Controller Microprocessor Display Digital display Refrigeration To Cooling Method Direct cooling Defrost Mode Manual Refrigerant R290 Insulation Thickness(mm) 10 Construction External Material Stainless steel Coated Hanging Basket 1 Door Lock with Key Yes Foaming Lid Optional Access Port 1pcs. Ø 25mm Casters 4 Door with Heater Hot gas surrounding Alarm Temperature Electrical Power failure, low battery System Sensor failure Blower (Supply(VHZ) 220-240-/50 Power Supply(VHZ) 299	External Size(W*D*H)mm	1245*775*929
Performance Temperature Range -20~40°C Ambient Temperature 16-32°C Cooling Performance -40°C Climate Class N Controller Microprocessor Display Digital display Refrigeration Cooling Method Defrost Mode Manual Refrigerant R290 Insulation Thickness(mm) 110 Construction External Material Cold rolled steel sheet Inner Material Stainless steel Coated Hanging Basket 1 Door Lock with Key Yes Foaming Lid Optional Access Port 1pcs. Ø 25mm Casters 4 Door with Heater Hot gas surrounding Alam Herror Electrical Power failure, low battery System Sensor failure Electrical Power failure, low battery Power Cuyly (W/HZ) 220-240-/50 Power Cuyly (W/HZ) 220-240-/50	Package Size(W*D*H)mm	1332*815*975
Temperature Range -20~40°C Ambient Temperature 16-32°C Cooling Performance -40°C Climate Class N Controller Microprocessor Display Digital display Refrigeration Compressor 1pc Cooling Method Direct cooling Defrost Mode Manual Refrigerant R290 Insulation Thickness(mm) 10 1nusulation Thickness(free) 20 did steel sheet Inner Material Stainless steel Coated Hanging Basket 1 Door Lock with Key Yes Foaming Lid Optional Access Port 1pcs. Ø 25mm Casters 4 Door with Heater Hot gas surrounding Alam High/Low temperature Electrical Power failure,low battery System Sensor failure Electrical Power failure,low battery Power Supply(V/HZ) 220-240-/50 Power Consumption (KWh/24h) 2.99 </td <td>NW/GW(Kgs)</td> <td>77/85</td>	NW/GW(Kgs)	77/85
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Cooling Performance.40°CClimate ClassNControllerMicroprocessorDisplayDigital displayRefrigerationCompressor1pcCooling MethodDirect coolingDefrost ModeManualRefrigerantR.290Insulation Thickness(mm)110ConstructionExternal MaterialCold rolled steel sheetInner MaterialStainless steelCoated Hanging Basket1Door Lock with KeyYesFoaming LidOptionalAccess Port1pcs. Ø 25mmCasters4Door with HeaterHot gas surroundingAlarmAlarmTemperatureHigh/Low temperatureElectricalPower failure, low batterySystemSensor failureElectricalPower failure, low batterySystemSensor failureElectricalPower Supply (V/HZ)Power Consumption (KWh/24h)220-240-/50Power Consumption (KWh/24h)2.99	Temperature Range	-20~-40°C
Climate Class Nicroprocessor Display Digital display Refrigeration Compressor 1pc Cooling Method Direct cooling Defrost Mode Manual Refrigerant Refrigerant Rego Insulation Thickness(mm) 110 Construction External Material Cold rolled steel sheet Inner Material Stainless steel Coated Hanging Basket 1 Door Lock with Key Yes Foaming Lid Optional Access Port 1pcs. Ø 25mm Casters 4 Door with Heater Hot gas surrounding Alarm Temperature High/Low temperature Electrical Power failure, low battery System Sensor failure Electrical Power Supply(V/HZ) 220-240~/50 Power (W) 222 Power Consumption(KWh/24h) 2.99	Ambient Temperature	16-32°C
ControllerMicroprocessorDisplayDigital displayRefrigerationProcessorCompressor1pcCooling MethodDirect coolingDefrost ModeManualRefrigerantR290Insulation Thickness(mm)110ConstructionExternal MaterialCold rolled steel sheetInner MaterialStainless steelCoated Hanging Basket1Door Lock with KeyYesFoaming LidOptionalAccess Port1pcs. Ø 25mmCasters4Door with HeaterHot gas surroundingMarmHot gas surroundingElectricalPower failure,low batterySystemSensor failureElectricalPower failure,low batterySystemSensor failureElectricalPower Supply(V/HZ)Power Supply(V/HZ)220-240-/50Power (W)222Power Consumption(KWh/24h)2.99	Cooling Performance	-40°C
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RefrigerationCompressor1pcCooling MethodDirect coolingDefrost ModeManualRefrigerantR290Insulation Thickness(mm)110ConstructionExternal MaterialCold rolled steel sheetInner MaterialStainless steelCoated Hanging Basket1Door Lock with KeyYesFoaming LidOptionalAccess Port1pcs. Ø 25mmCasters4Door with HeaterHot gas surroundingAlarmTemperatureHigh/Low temperatureElectricalPower failure, low batterySystemSensor failureElectricalFower Supply (V/HZ)Power Supply (V/HZ)220-240-/50Power (W)222Power Consumption (KWh/24h)2.99	Controller	Microprocessor
Compressor1pcCooling MethodDirect coolingDefrost ModeManualRefrigerantR290Insulation Thickness(mm)110ConstructionExternal MaterialCold rolled steel sheetInner MaterialStainless steelCoated Hanging Basket1Door Lock with KeyYesFoaming LidOptionalAccess Port1pcs. Ø 25mmCasters4Door with HeaterHot gas surroundingAlarmTemperatureElectricalPower failure, low batterySystemSensor failureElectricalSensor failurePower Supply (V/HZ)220-240-/50Power (W)222Power Consumption (KWh/24h)2.99	Display	Digital display
Cooling MethodDirect coolingDefrost ModeManualRefrigerantR290Insulation Thickness(mm)110ConstructionExternal MaterialCold rolled steel sheetInner MaterialStainless steelCoated Hanging Basket1Door Lock with KeyYesFoaming LidOptionalAccess Port1pcs.Ø25mmCasters4Door with HeaterHot gas surroundingAlarmTemperatureHigh/Low temperatureElectricalPower failure,low batterySystemSensor failureElectricalSensor failureElectricalPower Supply(V/HZ)Power Supply(V/HZ)220-240~/50Power(W)222Power Consumption(KWh/24h)2.99	Refrigeration	
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Insulation Thickness(mm)110ConstructionExternal MaterialCold rolled steel sheetInner MaterialStainless steelCoated Hanging Basket1Door Lock with KeyYesFoaming LidOptionalAccess Port1pcs. Ø 25mmCasters4Door with HeaterHot gas surroundingAlarmTemperatureHigh/Low temperatureElectricalPower failure,low batterySystemSensor failureElectricalPower failurePower Supply(V/HZ)220-240-/50Power(W)222Power Consumption(KWh/24h)2.99	Defrost Mode	Manual
External Material Cold rolled steel sheet Inner Material Stainless steel Coated Hanging Basket 1 Door Lock with Key Yes Foaming Lid Optional Access Port 1pcs. Ø 25mm Casters 4 Door with Heater Hot gas surrounding Alarm Temperature High/Low temperature Electrical Power failure,low battery System Sensor failure Electrical Power Supply(V/HZ) 220-240~/50 Power (W) 2.99	Refrigerant	R290
External Material Cold rolled steel sheet Inner Material Stainless steel Coated Hanging Basket 1 Door Lock with Key Yes Foaming Lid Optional Access Port 1pcs. Ø 25mm Casters 4 Door with Heater Hot gas surrounding Alarm Temperature High/Low temperature Electrical Power failure,low battery System Sensor failure Electrical Power Supply(V/HZ) 220-240~/50 Power (W) 2.99	Insulation Thickness(mm)	110
Inner Material Coated Hanging Basket 1 Door Lock with Key Yes Foaming Lid Access Port 1pcs. Ø 25mm Casters 4 Door with Heater Hot gas surrounding Alarm Temperature Electrical Power failure,low battery System Electrical Power Supply(V/HZ) Power Supply(V/HZ) Power (W) Power Consumption(KWh/24h) Stainless steel 1 Alarm High/Low temperature Electrical Power failure,low battery 220-240~/50 Power (W) 2.99	Construction	
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Door Lock with KeyYesFoaming LidOptionalAccess Port1pcs. Ø 25mmCasters4Door with HeaterHot gas surroundingAlarmTemperatureHigh/Low temperatureElectricalPower failure,low batterySystemSensor failureElectricalElectricalPower Supply(V/HZ)220-240~/50Power(W)222Power Consumption(KWh/24h)2.99	Inner Material	Stainless steel
Foaming Lid Optional Access Port 1pcs. Ø 25mm Casters 4 Door with Heater Hot gas surrounding Alarm Temperature High/Low temperature Electrical Power failure,low battery System Sensor failure Electrical Power Supply(V/HZ) 220-240~/50 Power(W) 222 Power Consumption(KWh/24h) 2.99	Coated Hanging Basket	1
Access Port 1pcs. Ø 25mm Casters 4 Door with Heater Hot gas surrounding Alarm Temperature High/Low temperature Electrical Power failure, low battery System Sensor failure Electrical Power Supply(V/HZ) 220-240~/50 Power(W) 222 Power Consumption(KWh/24h) 2.99	Door Lock with Key	Yes
Casters 4 Door with Heater Hot gas surrounding Alarm Temperature High/Low temperature Electrical Power failure,low battery System Sensor failure Electrical Power Supply(V/HZ) 220-240~/50 Power(W) 222 Power Consumption(KWh/24h) 2.99	Foaming Lid	Optional
Door with Heater Hot gas surrounding Alarm Temperature High/Low temperature Electrical Power failure,low battery System Sensor failure Electrical Power Supply(V/HZ) 220-240~/50 Power(W) 222 Power Consumption(KWh/24h) 2.99	Access Port	1pcs. Ø 25mm
Alarm Temperature High/Low temperature Electrical Power failure, low battery System Sensor failure Electrical Power Supply(V/HZ) 220-240~/50 Power(W) 222 Power Consumption(KWh/24h) 2.99	Casters	4
Temperature High/Low temperature Electrical Power failure,low battery System Sensor failure Electrical Power Supply(V/HZ) 220-240~/50 Power(W) 222 Power Consumption(KWh/24h) 2.99	Door with Heater	Hot gas surrounding
ElectricalPower failure,low batterySystemSensor failureElectricalPower Supply(V/HZ)220-240~/50Power(W)222Power Consumption(KWh/24h)2.99	Alarm	
System Sensor failure Electrical Power Supply(V/HZ) 220-240~/50 Power(W) 222 Power Consumption(KWh/24h) 2.99	Temperature	High/Low temperature
ElectricalPower Supply(V/HZ)220-240~/50Power(W)222Power Consumption(KWh/24h)2.99	Electrical	Power failure, low battery
Power Supply(V/HZ) 220-240~/50 Power(W) 222 Power Consumption(KWh/24h) 2.99	System	Sensor failure
Power(W) 222 Power Consumption(KWh/24h) 2.99	Electrical	
Power Consumption(KWh/24h) 2.99	Power Supply(V/HZ)	220-240~/50
	Power(W)	222
Rated Current(A) 1.80	Power Consumption(KWh/24h)	2.99
• •	Rated Current(A)	1.80



^{*}The model, parameters and performance specified in this brochure may be changed without prior notice because of product upgrading.

*There may be differences between the product images shown in this brochure and the actual products. When you are buying any product, please check the actual product.