

-40°C Ultra-low Temperature Freezer

*Compressor Supplied by a Famous International Brand
Fast Cooling*



DW - FL270

Refrigeration System

The Freon-free refrigerant, compressor supplied by an international famous brand and EBM fan can guarantee fast cooling and are energy-saving and environmentally friendly.

Temperature Control System

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

Human-oriented

The high-precision computerized temperature control system ensures an adjustable temperature within a range from -20 to -40°C inside the cabinet.



High-precision Temperature Control System

- The system has the function of digital temperature display and temperature inside the cabinet can be set within a range from -20°C to -40°C;
- High-precision microcomputer temperature control system; The platinum resistor temperature sensors ensure more precise temperature control.



Refrigeration System

- The compressor supplied by an international famous brand and EBM fan are energy-saving and environmentally friendly;
- The refrigerating circuit with proprietary intellectual property rights ensures high efficiency and stability.



Structure Design

- Upright type, aluminum plate with spraying material interior, external material is painted steel board.
- Inside drawers made of ABS, 7 drawers.



Thermal Insulation System

- The two-layer thermal insulating foamed door can prevent loss of refrigerating capacity in an effective way;
- The cabinet is made from CFC-free polyurethane material, which can improve its heat insulating performance to a large extent.



Security System

- The well-developed audible & visual alarm system makes it safer for storage;
- Equipped with alarm functions including high/low temperature alarm, sensor failure alarm, door ajar alarm;
- Specially equipped with external door handle and padlock to prevent unauthorized opening.



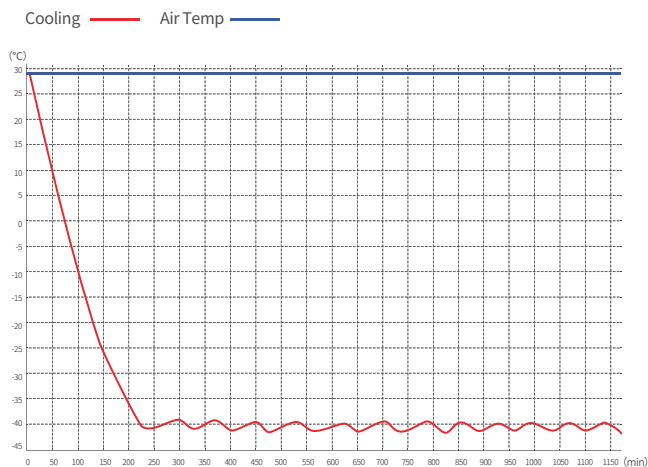
Human-oriented

- The safety lock on the door, with door handle, 4 universal casters provided for easy handling.

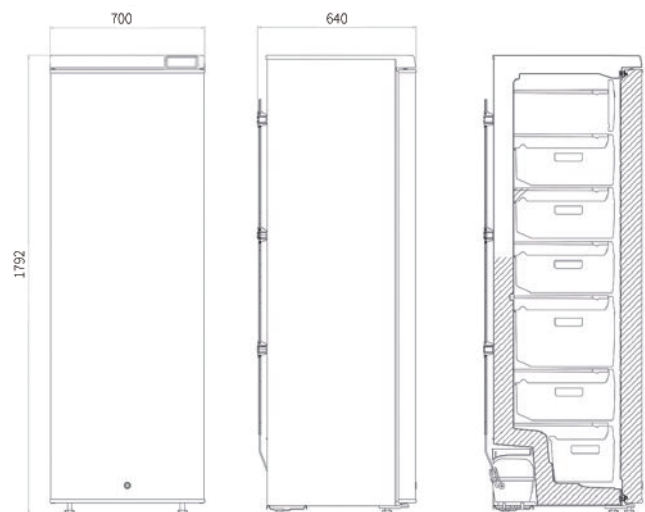
✓ Scope of Application

Suitable for use in scientific research, cryogenic test on special materials, blood plasma cryopreservation, low temperature resistance test on biological materials, vaccines, biological products and military products, etc. Suitable for use in research institutions, the electronic industry, the chemical industry, hospitals, the health & disease prevention system, laboratories in colleges & universities, military enterprises, etc.

🔗 Performance Data / Cooling Curve



📏 External Dimensions



Specification Chart

-40°C Ultra-low Temperature Freezer	
Model	DW-FL270
Cabinet Type	Upright
Capacity(L)	270
Internal Size(W*D*H)mm	500*460*1235
External Size(W*D*H)mm	700*640*1792
Package Size(W*D*H)mm	760*720*1885
NW/GW(Kgs)	94/102
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	1
Cooling Method	Direct Cooling
Defrost Mode	Manual
Refrigerant	R290
Insulation Thickness(mm)	100
Construction	
External Material	Powder coated material
Inner Material	Aluminum plate with spraying
Shelves	7(ABS)
Door Lock with Key	Yes
Access Port	1pc. Ø 25 mm
Casters	2+(2 leveling feet)
Alarm	
Temperature	High/low temperature
System	Sensor failure
Construction	Door ajar
Electrical	
Power Supply(V/HZ)	220/50
Power(W)	255
Power Consumption(KWh/24h)	2.86
Rated Current(A)	1.81

*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.