

# -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 etc;
- Specially equipped with external door handle and padlock to prevent unauthorized opening.



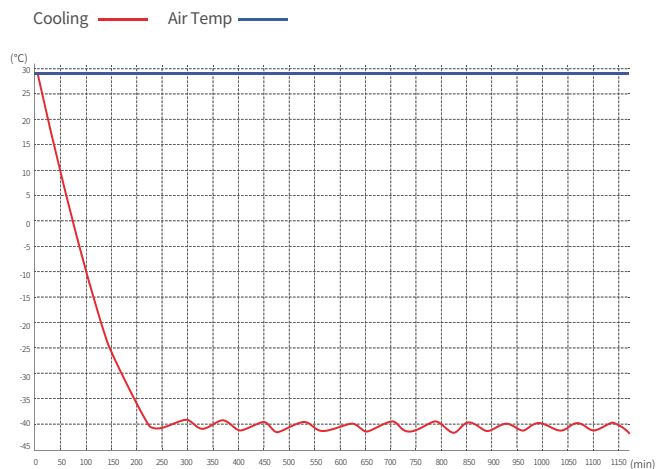
### Human-oriented

The safety lock on the door, with door handle, 2 universal casters and 2 leveling feet for easy movement and fixation.

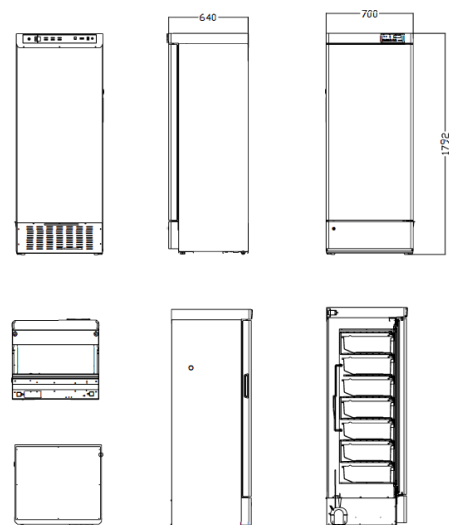
## Scope of Application

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

<b>-40°C Ultra-low Temperature Freezer</b>	
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	757*717*1865
NW/GW(Kgs)	90/102
<b>Performance</b>	
Temperature Range	-20~-40°C
Ambient Temperature	16-32°C
Cooling Performance	-40°C
Climate Class	N
Controller	Microprocessor
Display	Digital display
<b>Refrigeration</b>	
Compressor	1
Cooling Method	Direct Cooling
Defrost Mode	Manual
Refrigerant	R290
Insulation Thickness(mm)	100
<b>Construction</b>	
External Material	PCM
Inner Material	Aluminum plate with spraying
Drawers	7(ABS)
Door Lock with Key	Yes
Access Port	1pc. Ø 25 mm
Casters	2+(2 leveling feet)
Data Logging/Interval/Recording Time	USB/Record every 10 minutes / 2 years
Backup Battery	Yes
<b>Alarm</b>	
Temperature	High/Low temperature,High ambient temperature
System	Power failure,Low battery
Construction	Sensor failure,Door ajar , Built-in USB datalogger failure, communication failure
<b>Electrical</b>	
Power Supply(V/HZ)	220-240~/50
Power(W)	255
Power Consumption(KWh/24h)	2.86
Rated Current(A)	2.8
<b>Accessories</b>	
Standard	RS485,Remote alarm contact

\*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.