

# -40°C Ultra-low Temperature Freezer

*Compressor Supplied by a Famous International Brand*

*One-key Fast Cooling*



## DW-FW150

### 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;
- 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.

### People-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, compressor supplied by Secop (previously Danfoss) and EBM fan can 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, door open alarm and condenser overheated alarm to ensure the safety sample storage;
- Door with key lock to prevent opening without permission.
- 72 hours back-up battery for display and alarms system during power failure for supportive safety notification.



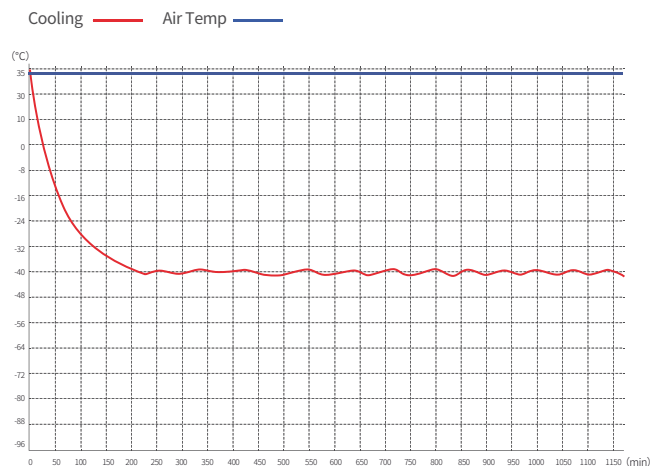
### Human-oriented

- The design of upward door opening and the balancing 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.

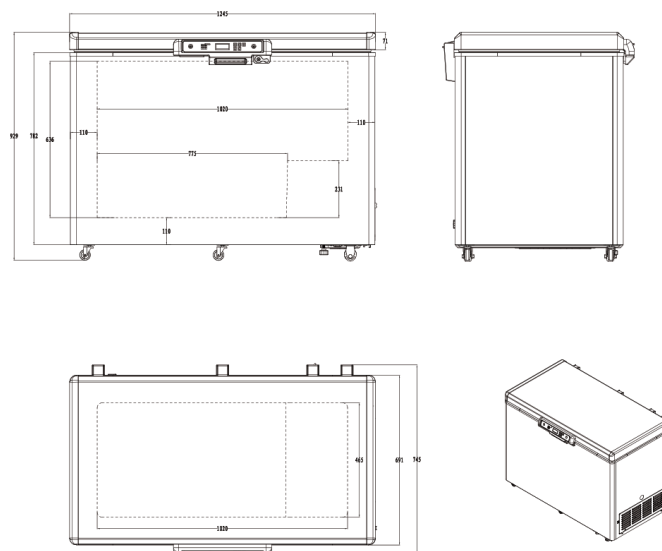
## ✓ Scope of Application

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





<b>-40°C Ultra-low Temperature Freezer</b>	
Model	DW-FW270
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	1349*815*970
NW/GW(Kgs)	77/85
<b>Performance</b>	
Temperature Range	-20~-40°C
Ambient Temperature	16-32°C
Cooling Performance	-40°C
Climate Class	N
Controller	Microprocessor
Display	LED
<b>Refrigeration</b>	
Compressor	1pc
Cooling Method	Direct cooling
Defrost Mode	Manual
Refrigerant	R290
Insulation Thickness(mm)	110
<b>Construction</b>	
External Material	Spray cold rolled steel plate
Inner Material	Stainless steel
Coated Hanging Basket	1
Door Lock with Key	Yes
Foaming Lid	Optional
Access Port	1pcs. Ø 25mm
Casters	4
Data Logging/Interval/Recording Time	USB/Record every 10 minute / 2 years
Door with Heater	Hot gas heating
<b>Alarm</b>	
Temperature	High/Low temperature, High ambient temperature
Electrical	Power failure
System	Sensor error
<b>Electrical</b>	
Power Supply(V/HZ)	220/50
Rated Power(W)	250
Input Power(W)	315
Power Consumption(KWh/24h)	3.1
Rated Current(A)	1.44

\*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.