



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 built-in door gasket is dustproof and easy to clean;
- The cabinet is equipped with drawers that are convenient for storage of things;
- The low noise design can create a comfortable work environment.

-10°C -40°C Ultra Low Temperature Freezer



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 -10°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 energysaving and environmentally friendly;
- The refrigerating circuit with proprietary intellectualproperty rights ensures high efficiency and stability.



Structure Design

- Upright type, aluminum plate with spraying material interior, Outer body 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 error.;
- Specially equipped with external door handle and padlock to prevent unauthorized opening.



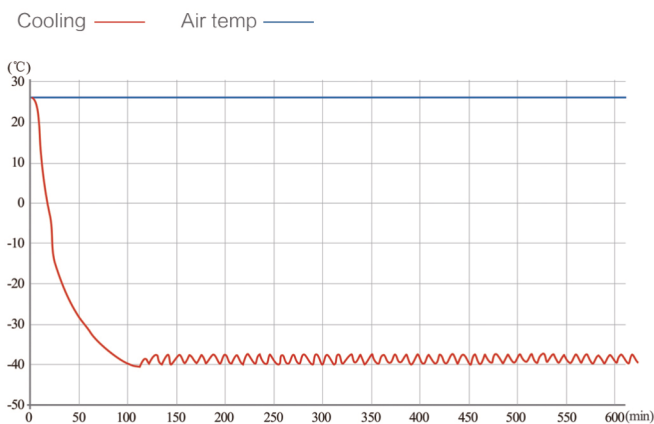
Human-oriented

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

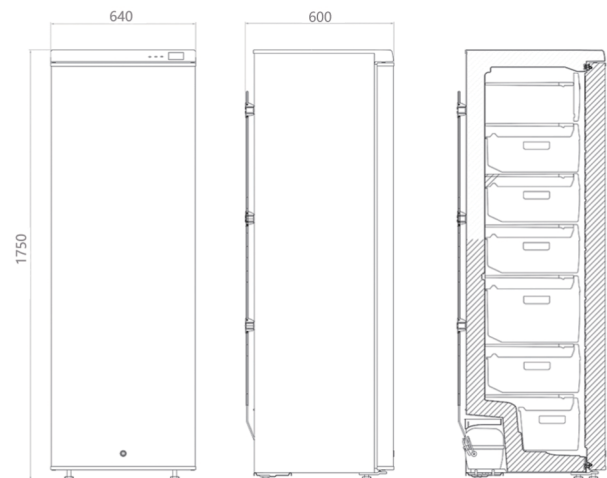
Scope of Application

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



Product Name		-40°C Ultra-low Temperature Freezer
Model	MC 270	
Cabinet Type	Upright	
Capacity(L)	270	
Temp. Range(°C)	-10 ~ -40	
Ambient Temperature(°C)	16-32	
Cooling Performance(°C)	-40	
Refrigerant	R290	
Cooling	Direct cooling	
Display	Digital display	
Climate Class	N	
Internal Size(WDH)mm	500*460*1235	
External Size(WDH)mm	700*640*1792	
Package Size(WDH)mm	760*740*1910	
NW/GW(Kgs)	90/98	
Alarm System	High/Low temperature, Sensor error, Door ajar	
Insulation Thickness(mm)	100	
Power Supply(V/HZ)	220/50, 220/60, 110/60	
Input Power(W)	398	
Current Consumption(KWh/24h)	2.86	
Rated Current(A)	1.81	
External Material	PCM	
Inner Material	Aluminum plate with spraying	
Compressor	1pc	
Door Lock With Key	Y	
External Lock	N/A	
Access Test Port	1	

*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.

