

# **UL86-100U**



### Precise Temperature Control and Safe Storage



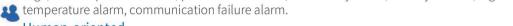
Microprocessor-based temperature controller, -40°C~-86°C can be set freely with display accuracy at 0.1°C.



### Visual & Audio Alarm system









The two-door design including the inner door and the outer door can lock cool air inside the cabinet and ensure thermal insulation for along period.



Awarded with China Certificate for Energy Conservation Product, certificate numbers: CQC18702198375 (DW-HL100) Awarded with China Certificate for Ecolabelling Products, certificate numbers: CQC18702198376 (DW-HL100)







a range from -40°C to -86°C.

#### **Refrigeration System**

- The imported high-efficiency compressor and EBM fan are energy-saving and highly efficient;
- The large finned condenser with a space betwee fins≤2mm, providing a effective heat dissipation.

to set temperature inside the cabinet within

Standard with VIP board for high efficiency cooling performance. Door with hot gas pipe surrounding for defrost.



#### **Supplies for Cryopreservation**

Inventory racks/boxes for cryopreservation are optional.





#### Thermal Insulation System

- •The two-layer insulated foamed door with double seal and the outdoor insulation design with multiple patents can prevent loss of cooling capacity effectively;
- The six sides of the cabinet are made from highperformance vacuum insulation material, greatly improving thermal insulation performance.



#### Security System

- The perfect audible & visual alarm system: high/low temperature, sensor failure, door open, power failure etc.;
- •The turn-on delay and stopping interval protection can ensure reliable operation;
- •The keyboard lock and password protection can prevent any adjustment of operation without permission;



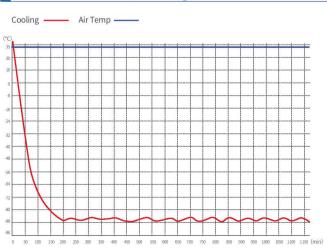
#### **Human-oriented**

- The door with new-type assisting door handle to be opened easily;
- · Door handle with lock for safety operation..
- · SUS304 interior, low temperature resistance anti-corrosion for long service life andeasy cleaning;
- · Universal wheels easy for movement and fixation.

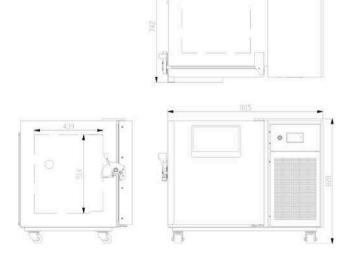
### Scope of Application

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



### Eternal Dimension



## Specification Chart

-86°C Ultra-low Temperature Freeze	r
Model	UL86-100U
Cabinet Type	Upright
Capacity(L)	100
Internal Size(W*D*H)mm	450*439*514
External Size(W*D*H)mm	1066*742*820
Package Size(W*D*H)mm	1200*863*991
NW/GW(Kgs)	145/176
Performance	
Temperature Range	-40~-86°C
Ambient Temperature	16-32°C
Cooling Performance	-86°C
Climate Class	N
Controller	Microprocessor
Display	Digital display
Refrigeration	
Compressor	1pc
Cooling Method	Direct cooling
Defrost Mode	Manual
Refrigerant	Mixture gas
Insulation Thickness(mm)	90, R:115
Construction	
External Material	Steel plates with spraying
Inner Material	Galvanized steel sheet
Shelves	1(stainless steel)
Door Lock with Key	Yes
External Lock	Yes
Access Port	1pc. Ø 40 mm
Casters	4
Data Logging/Interval/Recording Time	Printer/Record every 20 minute / 7 days
Backup Battery	Yes
Alarm	
Temperature	High/Low temperature,High ambient temperature
Electrical	Power failure , Low battery
System	Sensor error, Main board communication error , System failure, Condenser cooling failure, Door ajar, Sapmles out of date
Electrical	contaction cooling talkare, book ajar, suprimes out of date
Power Supply(V/HZ)	230±10%/50
Rated Power(W)	950
Input Power(W)	1100
Power Consumption(KWh/24h)	9.2
Rated Current(A)	5
Options Accessory	
System	Chart recorder, CO2 backup system

<sup>\*</sup>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.

