

DW-HL50 (Smart Freezer)





Precise Temperature Control and Safe Storage

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



High/low temperature alarm, power failure alarm, low battery alarm, door ajar alarm, high ambinet temperature alarm, communication failure alarm etc.

Refrigeration System

Applied Secop (Danfoss) compressor, 1 unit to reduce noise and improve the cooling temperature come to -86°C stably;

Fan electromotor with internationally famous of Germany EBM, energy saving, high efficiency, and low noise.

Energy Saving

Equipped with DC/DC power management module, optimized energy saving;

High-precision voltage control, stabilizing the voltage and freezer performance reduce the redundancy heat, completely eradicate overheating risk.





Alarm system

The perfect audible & visual alarm system: High/low temperature, sensor failure, power failure, low battery, door ajar, high ambient temperature, communication failure etc; Startup delay and stop interval protection function to ensure reliable operation;

- Keyboard lock and password protection function to prevent arbitrary adjustment of operating parameters;
- Safety door lock design, ensure safety sample storage.



Human-oriented

-4 universal casters for easy handing: Front opening lockable door with full height handle, with vacuum release port for easy open during cooling operation.



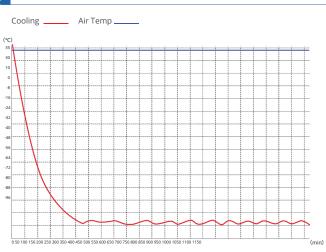
Insulation System

- ·110mm foaming insulation with VIP board for better temperature performance;
- ·Perfectly lock air conditioning, effectively prevent the loss of cooling capacity.

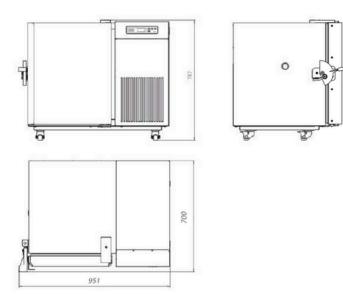
Scope of Application

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, e

Performance Data / Cooling Curve



External Dimension



-86°C Ultra-low Temperature Freezer	
Model	DW-HL50 Upright 50
Cabinet Type	305*425*430
Capacity(L)	951*700*757
Internal Size(W*D*H)mm	1095*820*931
External Size(W*D*H)mm	104/156(wood packing)
Package Size(W*D*H)mm	
NW/GW(Kgs)	
Performance	
Temperature Range	-40∼-86°C
Ambient Temperature	16-32°C
Cooling Performance	-86℃
Climate Class	N
Controller	Microprocessor
Display	Digital display
Retrigeration	
Compressor	1pc Direct cooling Manual
Cooling method	HC
Defrost Mode	110
Refrigerant	High quality steel plates with spraing Galvanized steel sheet/Stainless steel
Insulation Thickness(mm)	1(stainless steel)
Construction	Yes
External Material	Yes
Inner Material	1pc. Ø 25 mm
Shelves	4
Door Lock with key	USB/Record every 10 minutes / 12 months
Padlock	Yes
Access Port	
Casters	High/Low temperature, High ambient temperature, Condenser overheating alarm
Data Logging/Interval/Recording Time	Power failure, Low battery
Backup Battery	Sensor failure, Door ajar,Built-in USB datalogger failure, Communication error
Temperature	
Electrical	
System	
Power Supply(V/HZ)	
Power(W)	
Power Consumption(KWh/24h)	220-
	240~/50
Rated Current(A)	687
Rated Current(A) Accessories	007
Rated Current(A) Accessories Standard	9.13 5.42
Accessories Standard	

^{*}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.

