-86°C Ultra-low Temperature Freezer

Targeted Refrigeration • Fast Refrigeration
Energy-saving & Environmentally Friendly
Awarded with the Second Prize under State
Technological Invention Award

Ihr Fachhändler:
www.axon-labortechnik.de

Axon
L a b o r t e c h n i k

Axon Labortechnik GmbH
Im Braumenstück 16 - D-67659 Kaiserslautern
Verkaufsbüro Tel. 06223/95 41 190 Fax: 06223/95 40 714
info@axon-labortechnik.de

MELiNG

-86°C FREEZER

DW - HL528D

Excellent temperature uniformity
Direct cooling circulation technology with coil evaporator maintains a uniform temperature throughout the chamber.

Trusted SECOP brand compressor
SECOP compressor maintains a reliable -86°C ultra low temperature environment, that increases efficient sample storage.

Ease of maneuvering
Equipped with four heavy duty casters for ease of moving.

Vacuum insulation panels
Vacuum insulation panels allow for increased internal capacity with the same footprint as traditionally foamed freezers, as well as it ensures excellent temperature stability.

Energy-saving & Environmentally Friendly
HC Refrigerant

High-precision Temperature Control

· Digital temperature display: displays inner temperature, power and voltage, ambient temperature and more at the same time.
· 2 inches high-brightness digital temperature display, microprocessor-based temperature controller, -40°C~-86°C can be set freely.

Security System

· The perfect audible & visual alarm system : high and low temperature, senor error, power failure, low battery, door ajar, main board communication error, high ambient temperature etc.;
· The compressor start delay and stopping interval protection can ensure reliable operation;

Refrigeration System

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

Supplies for Cryopreservation

Freezer racks/boxes for cryopreservation are optional.

Alarm Upgrading

USB data storage function: can store relevant operating data, which can be downloaded and checked, ensuring improved security and reliability of sample storage.

Human-oriented

· 6-layer heat insulating foamed door with inner and outer door seal and the insulation design of the outer door system with multiple patents can prevent loss of refrigerating capacity in an effective way;
· The 6 sides of the cabinet are made from high-performance VIP vacuum insulation material, improving thermal insulation performance to a large extent;
· Ergonomic handle, smooth rotating handle track and high-precision pressure relief elastic valve make it easier to open and close the door.

User-friendly ergonomic design

· The new designed assisting handle and vaccum release port let the freezer be operated single-handed to open and close the outer door;
· The liner made from stainless steel for medical use is low- temperature tolerant and corrosion-resistant, which has a long service life and is easy to clean;
· The universal casters and leveling feet design are more convenient for movement and fixation.
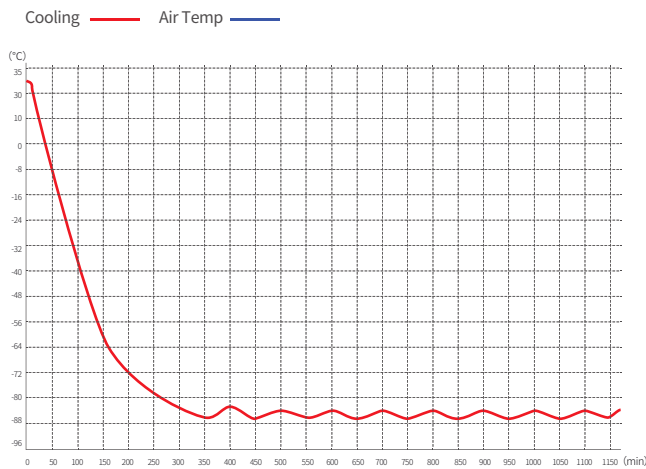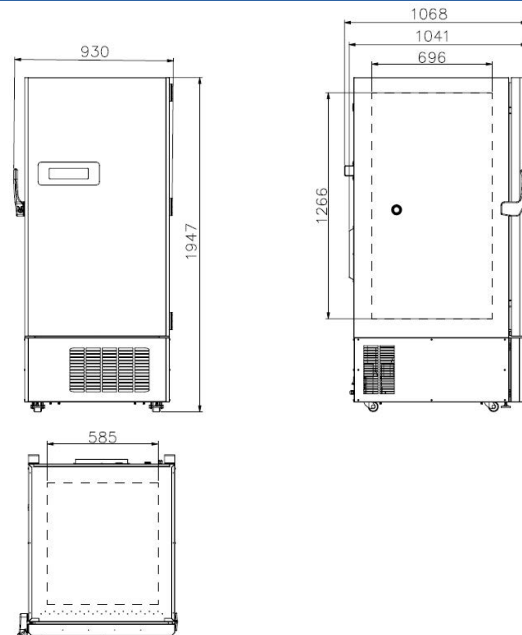
✓ Scope of Application

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

Cooling —— Air Temp ——

📈 External Dimension

1068
1041
696
930
585
1947
1266

⚙ Specification Chart

-86°C Ultra-low Temperature Freezer

Model	DW-HL528D
Cabinet Type	Upright
Capacity(L)	528
Internal Size(W*D*H)mm	585*696*1266
External Size(W*D*H)mm	930*1041*1947
Package Size(W*D*H)mm	1035*1165*2158
NW(Kg)	284

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	HC
Insulation Thickness(mm)	130

Construction	
External Material	Cold rolled steel sheet
Inner Material	Stainless steel
Shelves	3(stainless steel)
Door Lock with Key	Yes
Padlock	Yes
Access Port	2pcs. Ø 25 mm
Casters	4+(2 leveling feet)
Data Logging/Interval/Recording Time	USB/Record every 10 minutes / 2 years
Backup Battery	Yes

Alarm	
Temperature	High/Low temperature,High ambient temperature
Electrical	Power failure,Low battery
System	Sensor failure,Main board communication error, Condenser overheating ,Door ajar

Electrical	
Power Supply(V/HZ)	220/50

Accessories	
Standard	Remote alarm contact,RS485
Options	Chart recorder