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Dual Cooling System

-86°C ULT freezer

The unit is equipped with two independent refrigeration systems, this ultra-low temperature freezer ensures uninterrupted protection. If one compressor is not functioning, the other compressor will maintain the temperature at -80°C to ensure the samples safety(AT25°C)

≤3 ℃
*Temperature.Uniformity

141 Mins
*Pull down to -80°C

6.5 Kwh
Daily consumption

**Typical freezer data based on internal testing with freezer setpoint at -80°C and ambient temperature at 25°C.*

DW-HL428T

Features

Dual System
Two high-efficiency refrigeration systems

Touch Screen
10"LCD touch screen

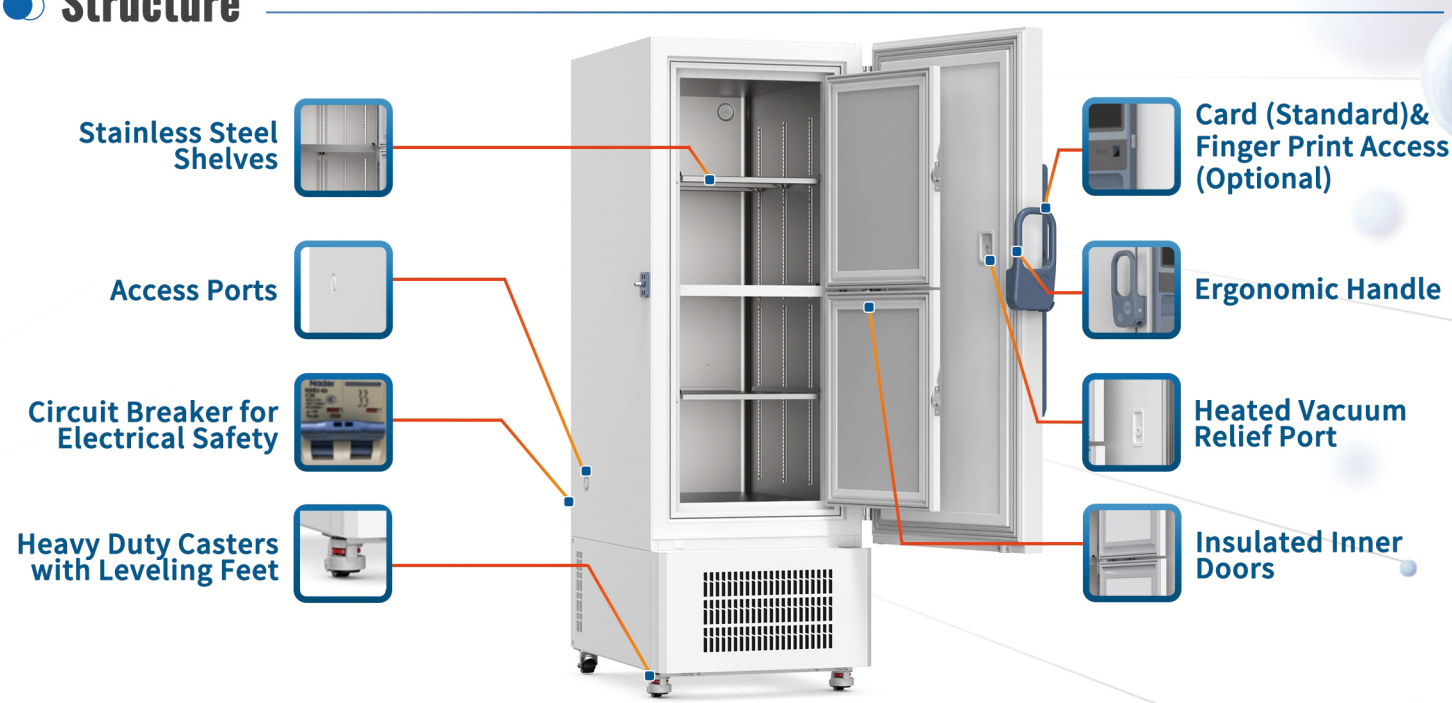
Ergonomic Handle
Improved handle design

Compressors
Two brand compressors

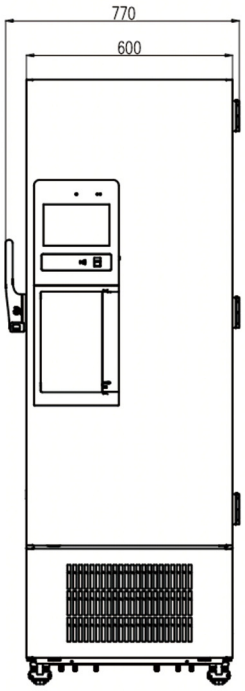
Vaccum Insulation
VIP insulation foaming

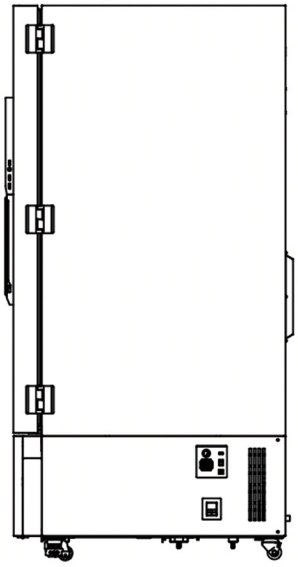
Alarms System
Multiple alarm functions

Structure



Dimensions





Specification

-86℃ Ultra-low Temperature Freezer	
Model	DW-HL428T
Capacity	428L
Internal Size (W*D*H) mm/Inch	460*712*1290/18.11*28.03*50.79
External Size (W*D*H) mm/Inch	770*1031*1994/30.31*40.59*78.5
External Size (W*D*H) mm/Inch	600*970*1940/23.62*38.18*76.37(size without handle and screen)
Package Size (W*D*H) mm/Inch	875*1140*2132/34.45*44.88*83.94
NW(kgs/Lbs)	241/531.3
Performance	
Temperature Range	-40~-86℃
Ambient Temperature	16~32℃
Cooling Performance	-86℃
Climate Class	N
Controller	Microprocessor
Display	10''HD Intelligent Touch Screen
Refrigeration	
Compressors	2pcs
Cooling Method	Direct Cooling
Defrost Mode	Manual
Refrigerants	HC
Insulation Thickness(mm)	D:104, L/R: 110, B: 110
Construction	
External Material	Cold Rolled Steel
Internal Material	Galvanized Sheet(Optional Stainless Steel)
Shelves	3(stainless steel)
Access Test Port	2pcs. Ø 25 mm
Casters	4(2 leveling feet)
Data Logging/ Interval /Memory Capacity	USB/Record Every 5 Minutes/10 Years
Interface	Remote Alarm Contact, RS485, WIFI, 5V Power Interface, Network Port
Backup Battery	Yes
Alarms	
Temperature	High/Low Temperature, High Ambient Temperature, Condenser High Temperature Alarm
Electrical	Power Failure, Low Battery, Battery Power Detection Failure
System	Data Communication Failure, Door Ajar, Condenser Sensor Failure, Temperature Sensor Failure
Electrical Data	
Power Supply(V/HZ)	220-240/50
Rated Current (A)	9.5
Accessories	
Freezer Rack Model	ZKL304-552B-CT
Freezer Rack/Box (quantity)	12/300
Others	
Certification	CE

Options

- ○ Modbus protocol for data transfer
- ○ Comforms to 21 CFR 11 regulation
- ○ CO_2 /LN_2 back up system
- ○ Electromagnetic lock
- ○ Inkless temperature chart recorder
- ○ Racks, Boxes & Tubes
- ○ Finger print access/Facial recognition

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