

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)



Temperature Uniformity



Pull down to -80°C



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
10.1" LCD touch screen



Ergonomic Handle
Improved handle design



Compressors
Two compressors

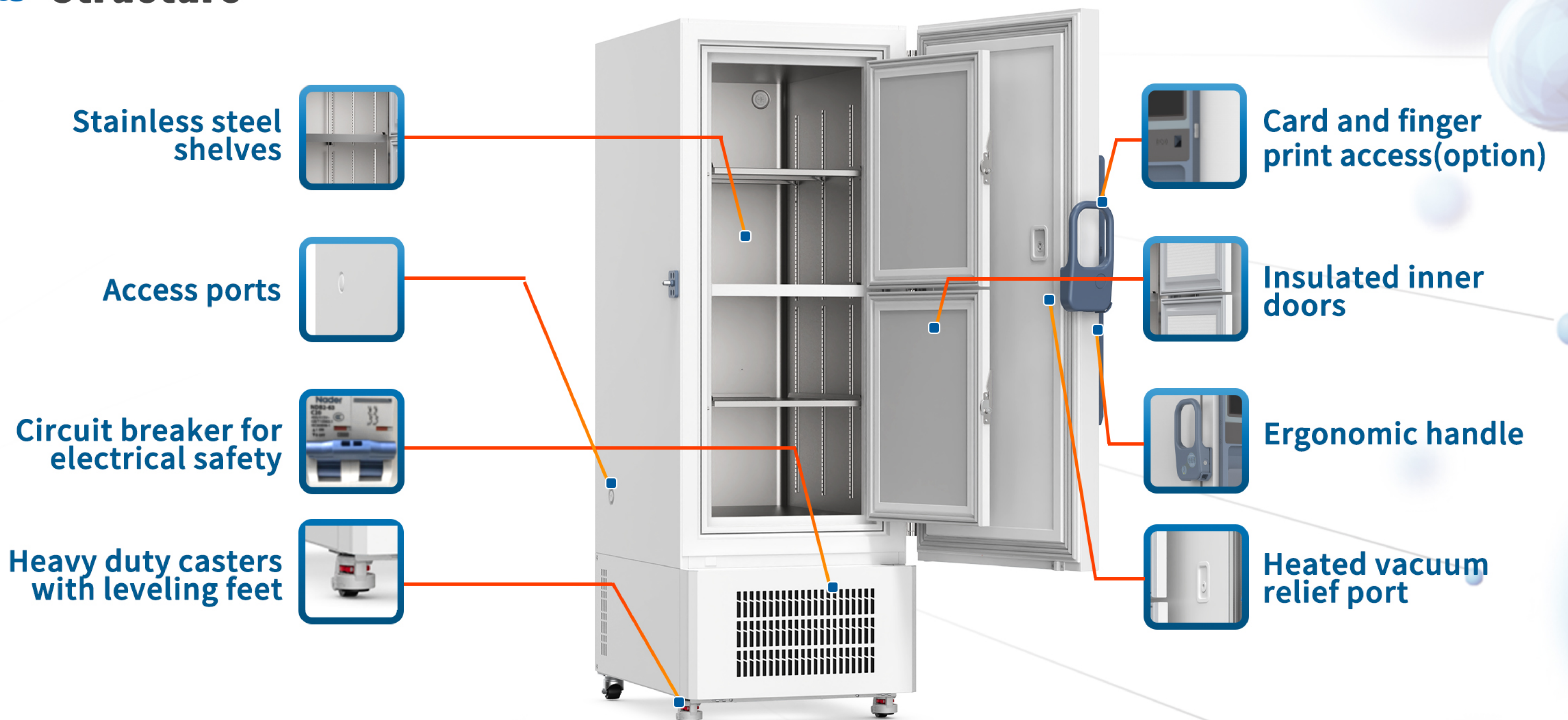


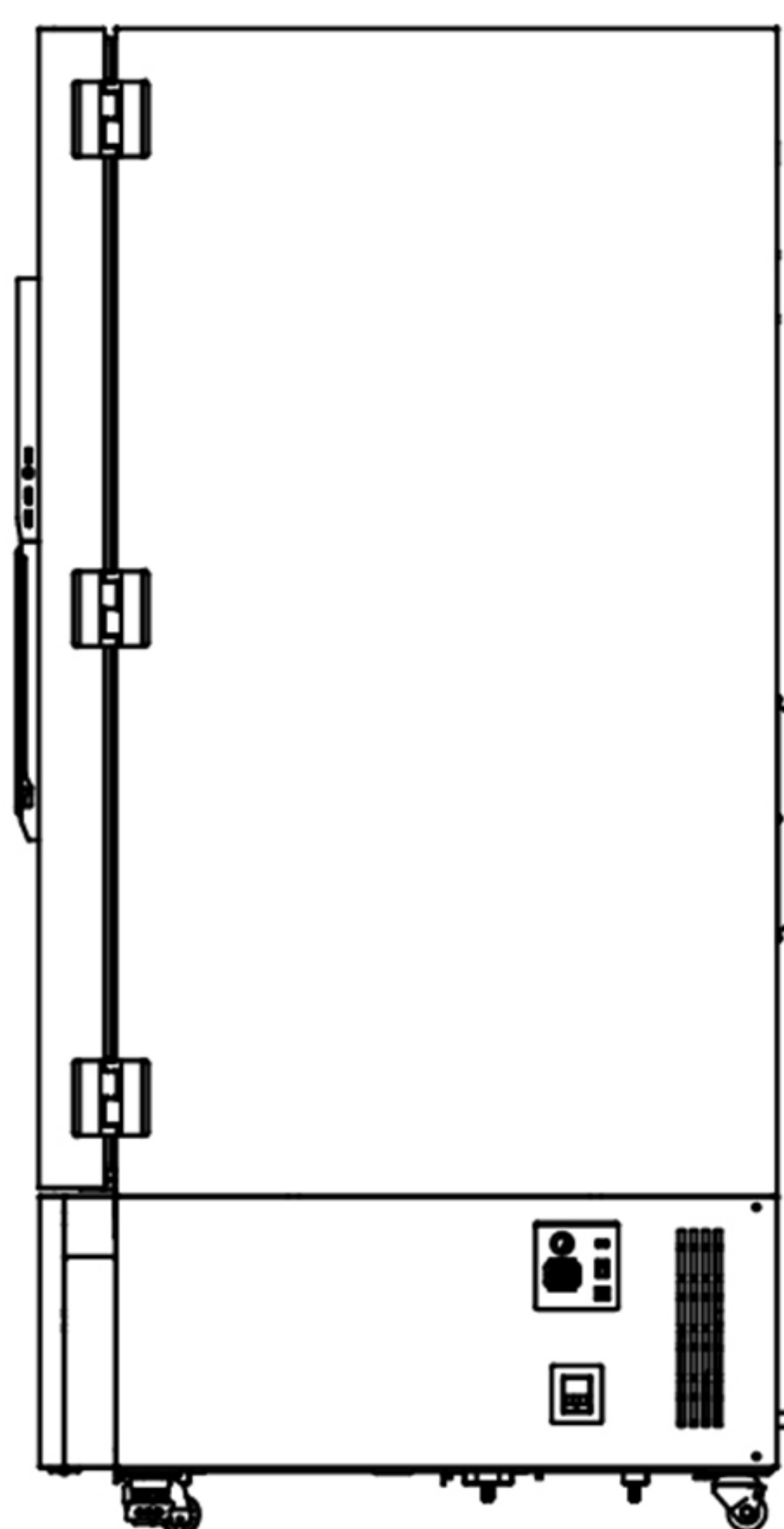
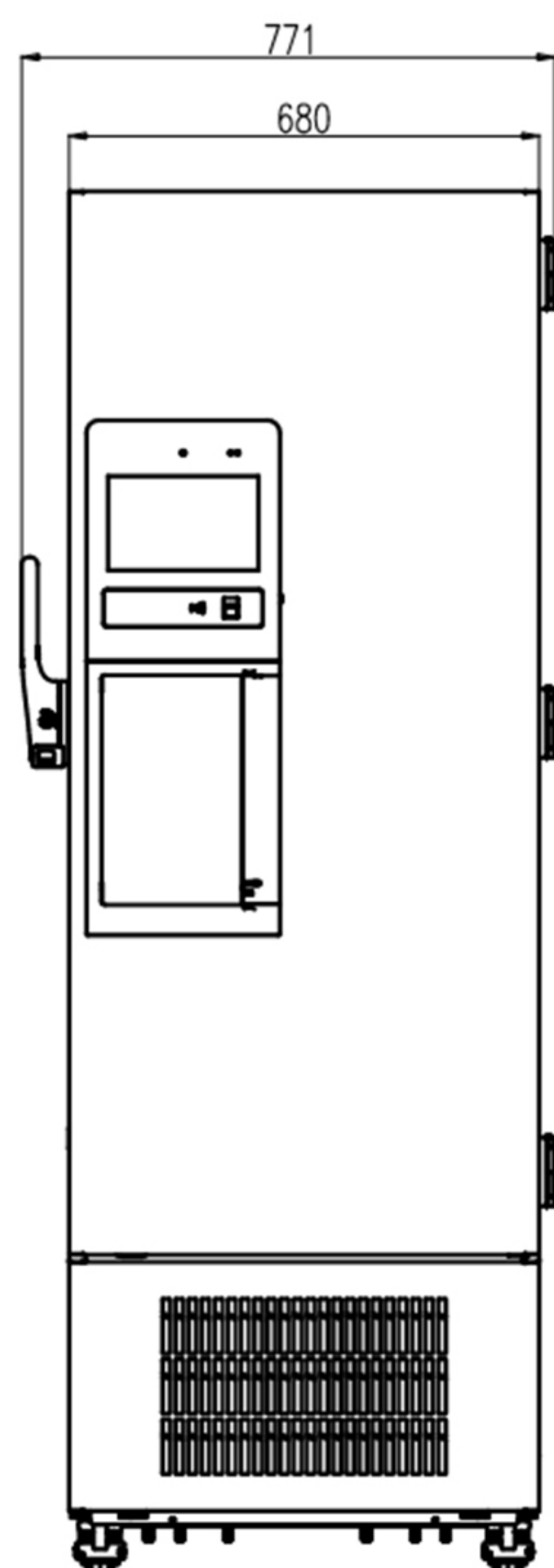
Vacuum Insulation
VIP insulation foaming



Alarms System
12 kinds of alarm functions

Structure





-86°C 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
Package Size (W*D*H) mm/Inch	1012*1020*2141/39.84*40.16*84.29
NW(kgs/Lbs)	263/580
Performance	
Temperature Range	-40~-86°C
Ambient Temperature	16~32°C
Cooling Performance	-86°C
Climate Class	N
Controller	Microprocessor
Display	10.1" 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	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, Ambient Temperature Sensor Failure, Condenser Sensor Failure, Temperature Sensor Failure
Electrical Data	
Power Supply(V/HZ)	220-240/50
Rated Current (A)	9.5

Options

- Modbus protocol for data transfer
- Inkless temperature chart recorder
- Intelligent monitoring
- Voltage stabilizer
- Comforms to 21 CFR 11 regulation
- Racks, Boxes & Tubes
- CO2 back up system
- Card and finger print access