

## Dual cooling system

### -86°C ULT freezer

-86°C Ultra Low Temperature Freezer built up by two independent refrigeration systems and the Dual Cooling System offers the highest level of protection, If you stop any compressor by disconnecting it the other can maintain the freezer around the -80°C. Valuable and irreplaceable samples can always be securely stored with the highest confidence even if the compressor fails.



**DW-HL778T**



Temp.Uniformity



Pulling 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.

## Features



**Dual System**  
Two high-efficiency refrigeration systems



**Touch screen**  
10"LCD touch screen



**Extreme labor-saving**  
Ergonomic handle



**Compressors**  
Two compressors



**Vaccum insulation**  
VIP insulation foaming



**Alarms system**  
12 kinds of alarm functions

## Structure

**Stainless steel shelf**



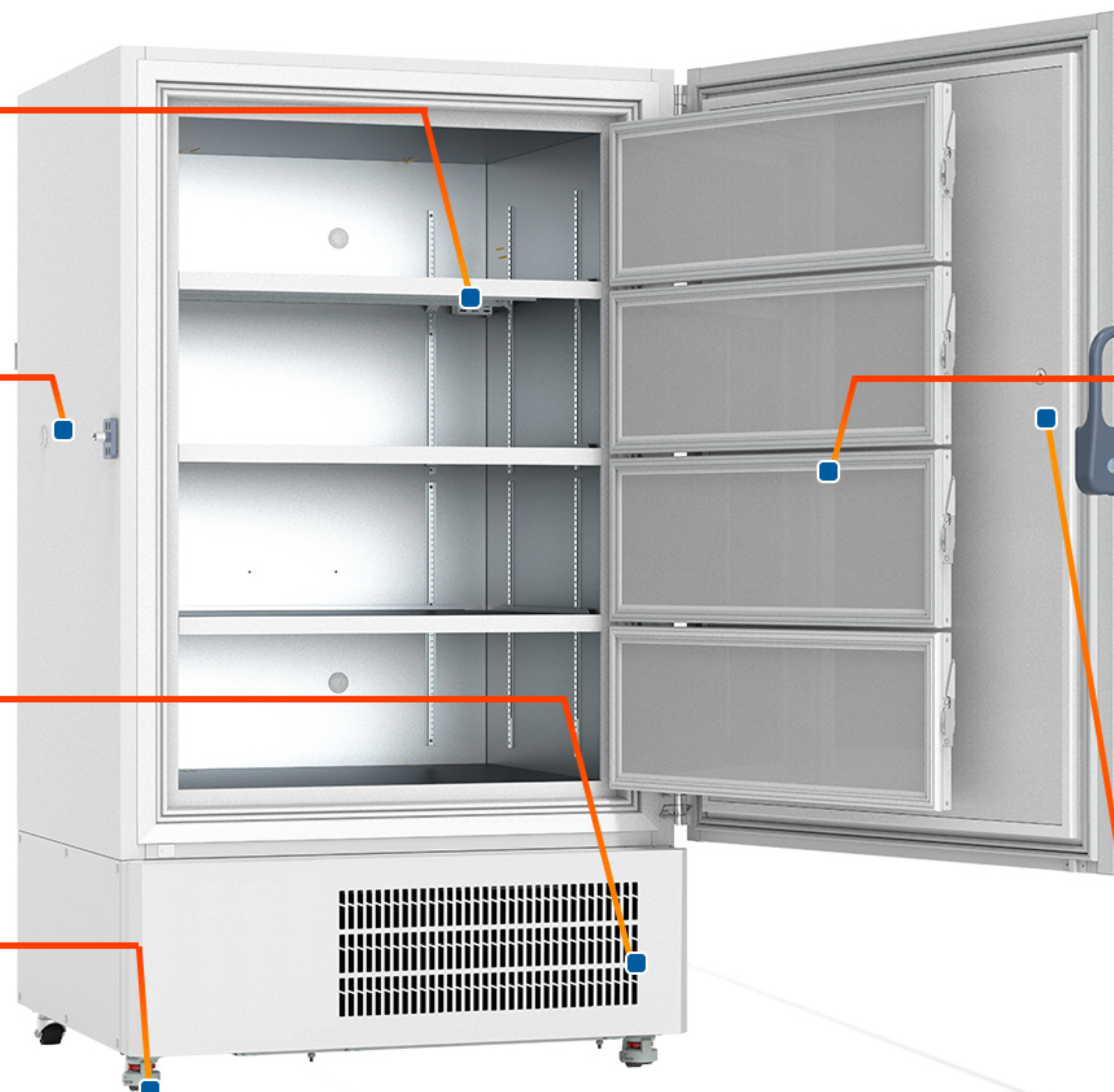
**Access port**



**Circuit breaker for electrical protection**



**Heavy duty casters with leveling feet**



**Card and finger print access**



**Insulated inner doors**



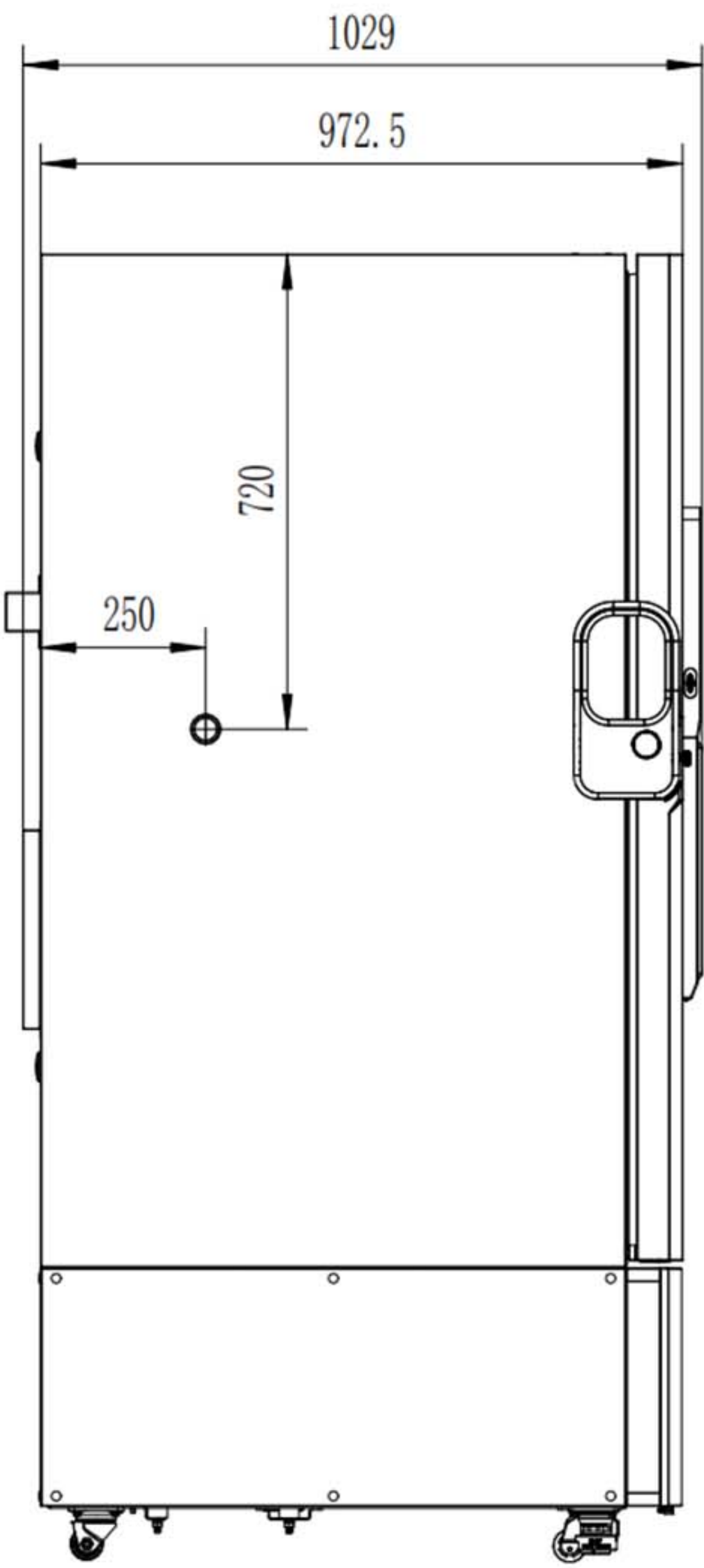
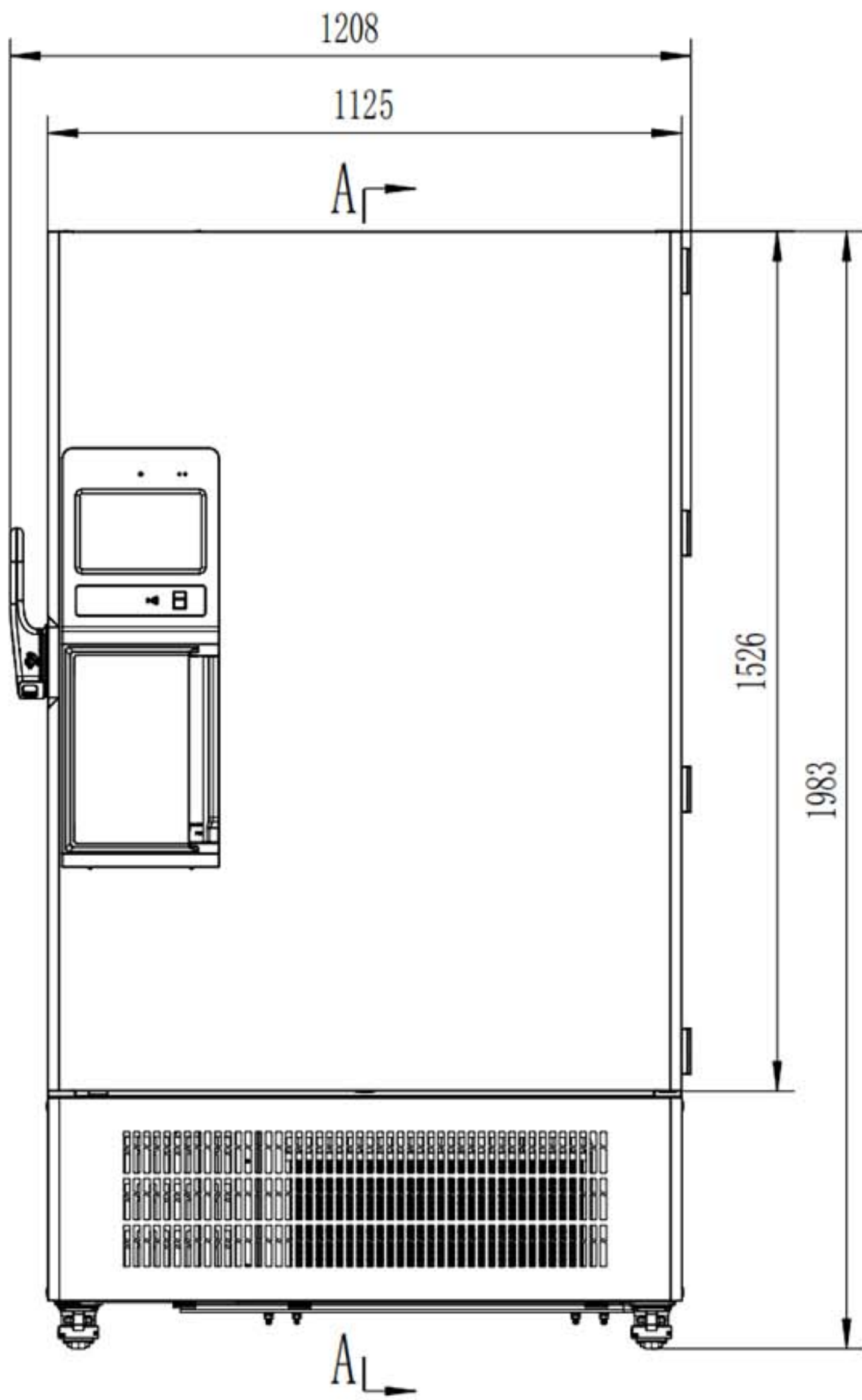
**Ergonomic design handle**



**Heated vacuum relief port**







-86°C Ultra-low Temperature Freezer	
Model	DW-HL778T
Capacity	778L
Internal size (W*D*H) mm/Inch	865*696*1286
External size (W*D*H) mm/Inch	1205*1025*1955
Package size (W*D*H) mm/Inch	1325*1175*2176
NW(kgs)	345
Performance	
Temperature range	-40~-86°C
Ambient temperature	16~32°C
Cooling performance	-86°C
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:100,L/R: 130, B: 130
Construction	
External material	Cold rolled steel
Inner material	Stainless steel
Shelves	3(stainless steel)
Access test Port	3pcs. 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, ITO, 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)	220V;50Hz
Rated current (A)	8.63A