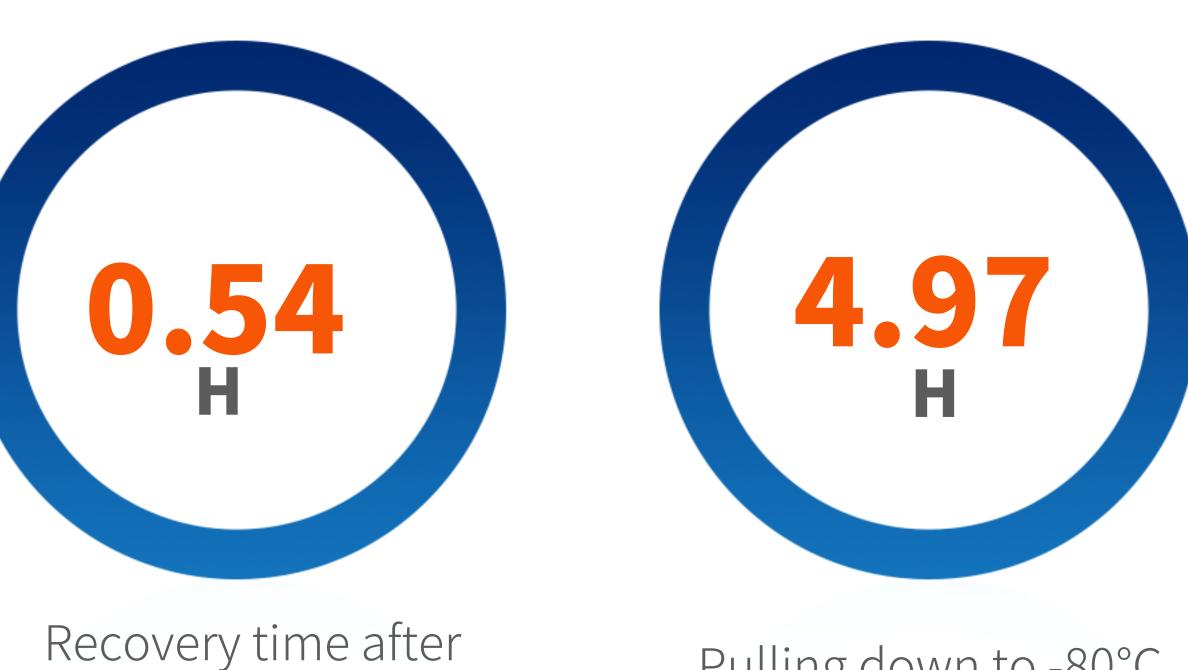


Dual cooling system

-86°C ULT freezer



M-Twindrive -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 one system unexpectedly fails the other can maintain the freezer around the -75°C. Valuable and irreplaceable samples can always be securely stored with the highest confidence even if the compressor fails.



9.9 Kwh

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



M-TwinDrive Two high-efficiency refrigeration systems



Touch screen
10"LCD touch screen

1 minute door open



Extreme labor-saving Ergonomic handle



Inverter technology
Two inverter compressors

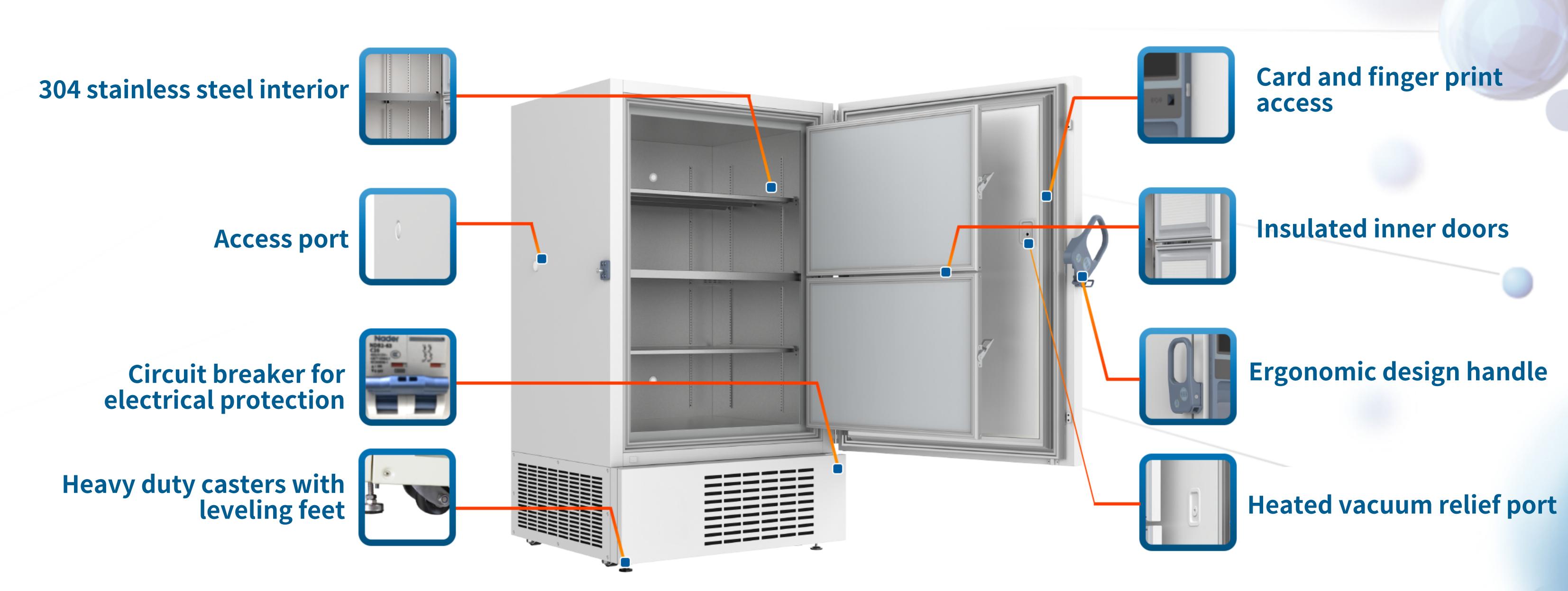


Vaccum insulation
VIP insulation foaming



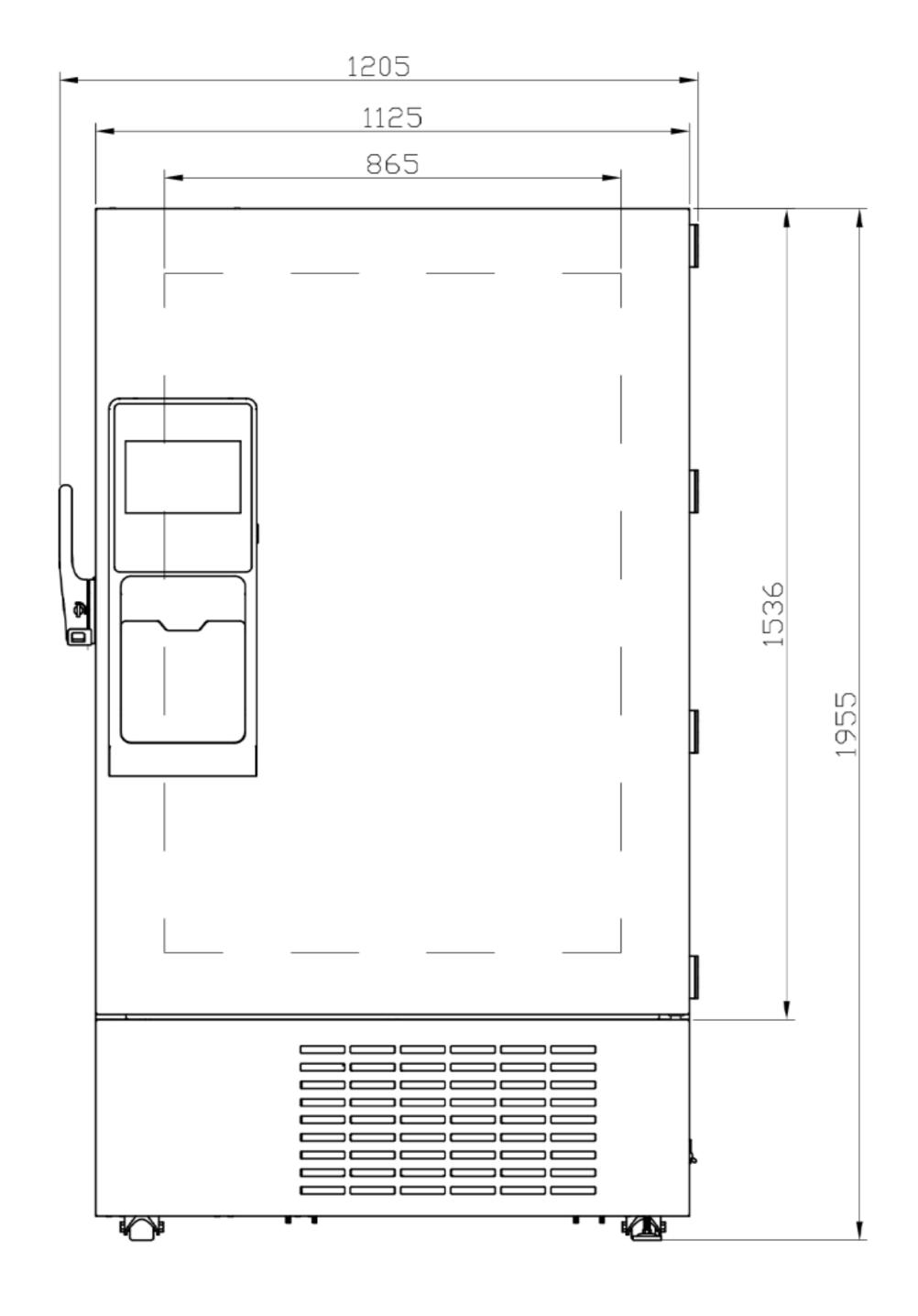
Alarms system
10 kinds of alarm functions





Dimensions

Specification



696	-	
		596
		296
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-86°C Ultra-low Temperature Freezer			
Model	DW-HL780		
Power supply(V/HZ)	110~230/50~60		
Capacity	780L/27.6Cu.Ft.		
Internal size (W*D*H) mm/Inch	865*696*1286/34.1*27.4*50.6		
External size (W*D*H) mm/Inch	1205*1025*1955/47.4*40.4*77.0		
Package size (W*D*H) mm/Inch	1320*1155*2171/52.0*45.5*85.5		
NW/GW (kgs)	331/440 (wood packing)		
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)	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		
Backup battery	Yes		
Alarms			
Temperature	High/Low temperature, high ambient temperature		
Electrical	Power failure, low battery, battery power detection		
Licetricat	failure		
System	Sensor failure, communication error,		
System	condenser overheating, door ajar		
Accessories			
Freezer rack model	ZKL304-552B-CT		
Freezer rack/box (quantity)	24/600		

Options

M-TwinDrive models support following optional features:

- Modbus protocol for data transfer
- O Card access or finger print access
- Ocomform to 21 CFR 11 regulation
- CO2 back up system

- Inkless temperature chart recorder
- Racks & Boxes & Tubes

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