

Cascade cooling system

-86°C ULT freezer

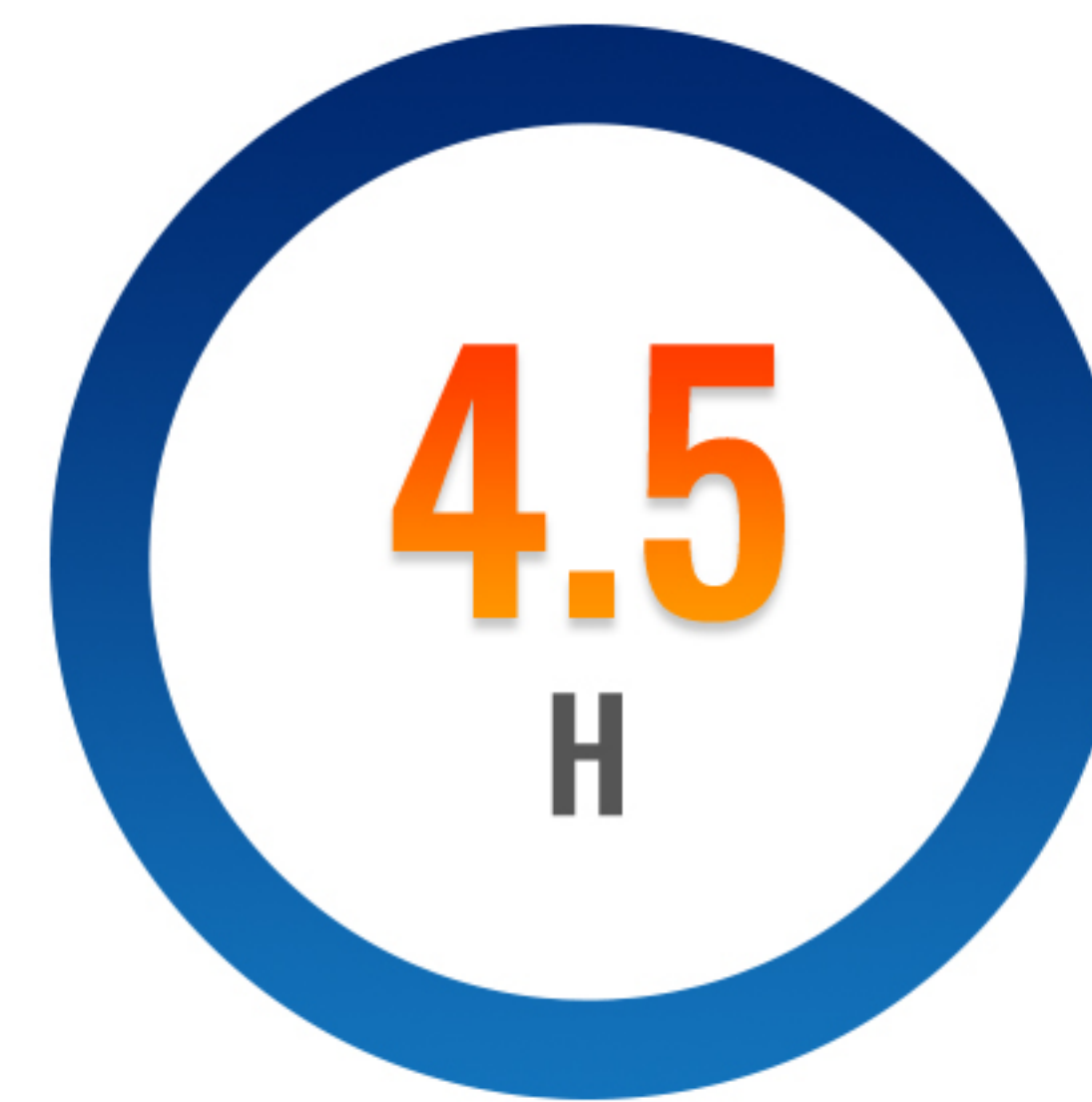


DW-HL398S

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



Temp. fluctuation



Pulling down to -80°C



Temp. recovery after door opened for 1 min

*Typical freezer data based on internal testing with freezer set point at -80°C and ambient temperature at 22°C.

Features



Temperature control system
Display temp. in 0.1°C increments



Touch screen
10" LCD touch screen



Industrial compressor



CE certificate

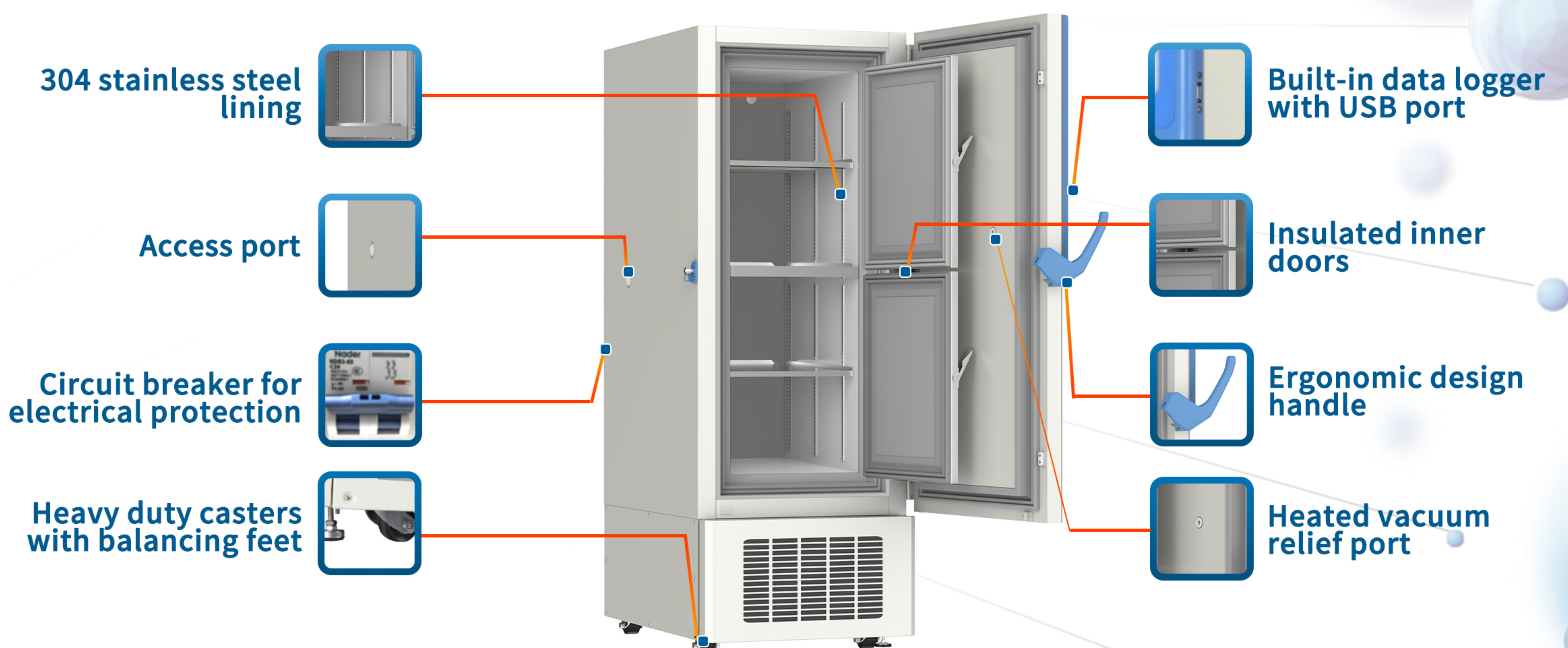


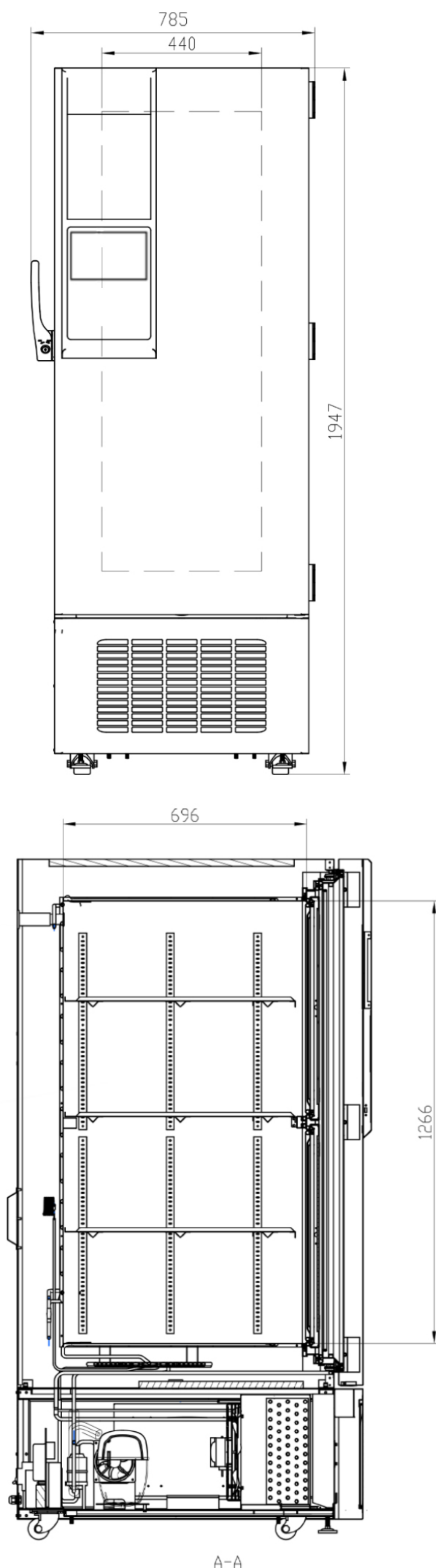
CO2 back up system
Optional for extra security for sample



Alarms system
10 kinds of alarm functions

Structure





-86°C Ultra-low Temperature Freezer	
Model	DW-HL398S
Capacity	398L/14.06Cu.Ft.
Internal size (W*D*H) mm/inch	440*696*1266/17.32*27.4*49.84
External size (W*D*H) mm/inch	785*1041*1947/30.91*40.98*76.65
Package size (W*D*H) mm/inch	890*1165*2158/35.04*45.87*84.96
NW/GW (kgs)	237/314
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	High stage: R290, Low stage: R170
Insulation thickness(mm)	130
Construction	
External material	Cold rolled steel sheet
Inner material	Stainless steel
Shelves	3(stainless steel)
Access test port	2pcs. Ø 25 mm
Casters	4+(2 balancing feet)
Data Logging/ Interval /Recording time	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 failure
System	Sensor failure, Main board communication error, Condenser overheating alarm, Door ajar
Accessories	
Freezer Rack Model	ZKL304-552B-CT
Freezer Rack/Box (Quantity)	12/300

Options

M-Cascade models support following optional features:

- Modbus protocol for data transfer
- Card access or finger print access
- Comform to 21 CFR 11 regulation
- CO2 back up system
- Inkless temperature chart recorder
- Racks & Boxes & Tubes