

Cascade system ULT freezer that consists of two stages cascade cooling technology with absolute hydrocarbon refrigerant, which are R290 and R170 as natural gas. The inverter compressors programmed to help energy savings under long period preservation or provide fast temperature recovery while frequently door open to maintain specimens liveness.



Energy consumption

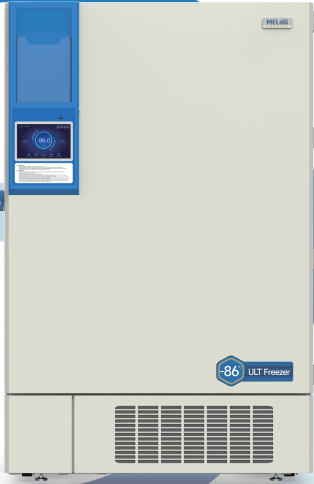


Pulling down to -80°C



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 25°C.



DW-HL1008S

Features



Temperature control system
 Display temp. in 0.1°C increments



Touch screen
 10" LCD touch screen



Brand compressor



Hydrocarbon refrigerant
 Environment-friendly natural gas

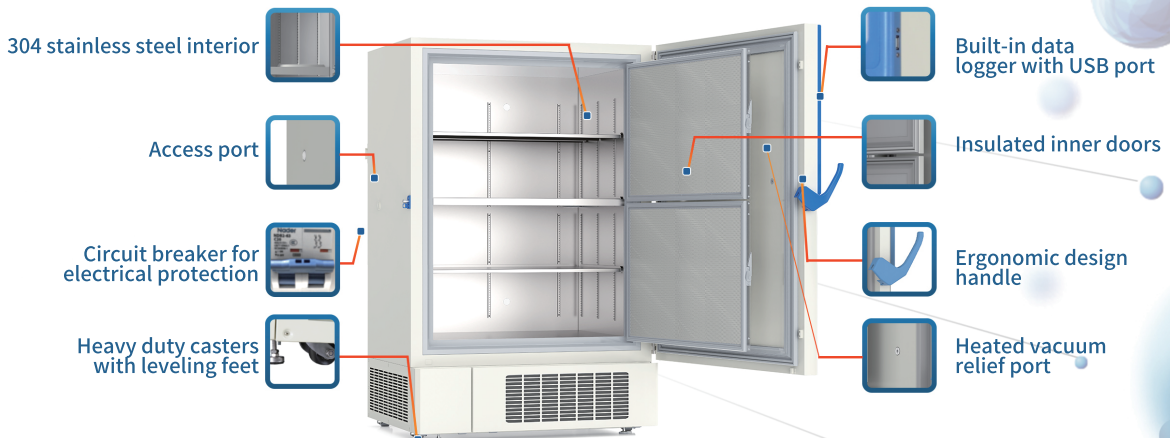


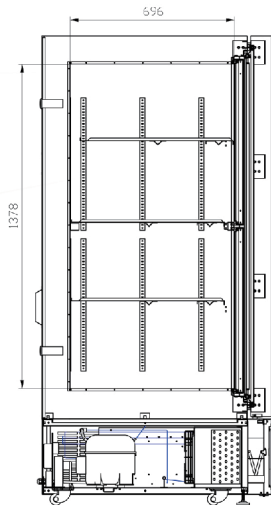
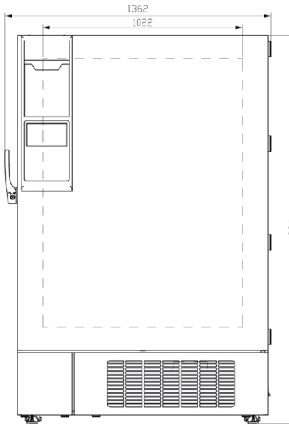
CO₂ back up system
 Optional for extra security for sample



Alarms system
 12 kinds of alarm functions

Structure





-86°C Ultra-low Temperature Freezer	
Model	DW-HL1008S
Capacity	1008L/35.6Cu.Ft.
Internal Size (W*D*H) mm/inch	1022*696*1378/40.24*27.4*54.25
External Size (W*D*H) mm/inch	1362*1025*1994/53.62*40.35*78.5
Package Size (W*D*H) mm/inch	1473*1155*2176/57.99*45.47*85.67
NW/GW (kgs)	387/496
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)	D:109,L/R:130,B:120
Construction	
External Material	Cold Rolled Steel Sheet
Inner Material	Stainless Steel
Shelves	3(stainless steel)
Access Test Port	3pcs. Ø 25 mm
Castors	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, High-Stage High Temperature Alarm, Battery Level Detection Fault Alarm
System	Sensor Error, Main Board Communication Error, Door Ajar, High Pressure Alarm, Condenser Overheating Alarm
Accessories	
Freezer Rack Model	ZKL304-552B-CT,ZKL304-652B-CT
Freezer Rack/Box (Quantity)	14+14/770
Electrical Data	
Power Supply(V/Hz)	220-230V/50Hz-60Hz
Rated Current (A)	7.44A