

# Chest Freezer

-86°C ULT freezer

DW-HW668 is designed and manufactured for long term storage of various biological products.



**130**  
mm

Insulation thickness

**3.06**  
H

Pulling down to -80°C

**0.05**  
H

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-HW668

### Features



Brand compressor



Temperature control system  
 Display temp. in 0.1°C increments



Vacuum insulation  
 VIP insulation foaming



CE certificate



CO2 back up system  
 Optional for extra security for sample



Alarms system  
 Multiple alarm functions

### Structure



## Specification

<b>-86°C Ultra-low Temperature Freezer</b>			
Model	DW-HW138	DW-HW328	DW-HW668
Capacity	138	328	668
Internal Size (W*D*H) mm/inch	490*470*582	1200*470*582	1200*815*666
External Size (W*D*H) mm/inch	1328*890*1025	2038*890*1025	2008*1180*1041
Package Size (W*D*H) mm/inch	1470*990*1241	2193*1003*1256	2145*1305*1234
NW/GW (kgs)	200/262 (wood packing)	280/370	352/509
<b>Performance</b>			
Temperature Range	-40~-86°C	-40~-86°C	-40~-86°C
Ambient Temperature	16~32°C	16~32°C	16~32°C
Cooling Performance	-86°C	-86°C	-86°C
Climate Class	N	N	N
Controller	Microprocessor	Microprocessor	Microprocessor
Display	Digital Display	Digital Display	Digital Display
<b>Refrigeration</b>			
Compressor	1pc	1pc	2pcs
Cooling Method	Direct Cooling	Direct Cooling	Direct Cooling
Defrost Mode	Manual	Manual	Manual
Refrigerant	HC	HC	HC
Insulation Thickness(mm)	D:102.5, L/R:152, B:152	D:102.5, L/R:152, B:152	D:102.5, L/R:130, B:130
<b>Construction</b>			
External Material	Cold Rolled Steel Sheet	Cold Rolled Steel Sheet	Cold Rolled Steel Sheet
Inner Material	Stainless Steel	Stainless Steel	Stainless Steel
Door Lock With Key	Yes	Yes	Yes
Access Test Port	1pc. Ø 40 mm	1pc. Ø 40 mm	1pc. Ø 40 mm
Casters	4	6	6
DataLogging/ Interval /Recording Time	USB/Record every 10 minutes/100,000 data		
Interface	Remote Alarm Contact, RS485		
Backup Battery	Yes		
<b>Alarms</b>			
Temperature	High/Low Temperature, High Ambient Temperature, Condenser High Temperature Alarm		
Electrical	Power Failure, Low Battery, Sensor Error, Battery Power Detection Failure		
System	Data Communication Failure, Door Ajar		
<b>Electrical Data</b>			
Power Supply(V/HZ)	220-240V/50Hz	220-240V/50Hz	220-240V/50Hz
Rated Current (A)	5.78A	5.6A	9.5A