MELING BIOMEDICAL | MEGSTEMAN scientific

Dual cooling system
-86°C ULT freezer



DW-HL530

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.

0.4 H
Recovery time after 1 minute door open

2.9 H
Pulling down to -80°C

8.5 Kwh
Daily consumption

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

Features

M-TwinDrive
Two high-efficiency refrigeration systems

Touch screen
10"LCD touch screen

Extreme labor-saving
Ergonomic handle

Inverter technology
Two inverter compressors

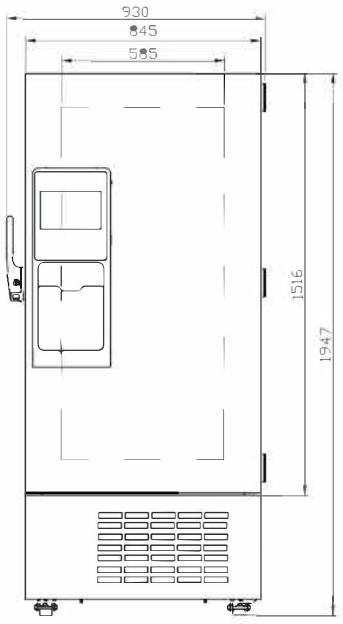
Vaccum insulation
VIP insulation foaming

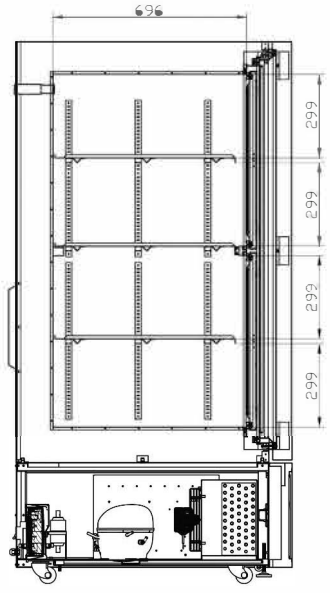
Alarms system
10 kinds of alarm functions

Structure



Dimensions





Specification

-86℃ Ultra-low Temperature Freezer	
Model	DW-HL530
Capacity	530L/18.7Cu.Ft.
Internal size (W*D*H) mm/Inch	585*696*1266/23.0*27.4*48.4
External size (W*D*H) mm/Inch	930*1041*1947/36.6*41.0*46.7
Package size (W*D*H) mm/Inch	1035*1165*2158/40.75*45.87*84.96
NW/GW (kgs)	276/355
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	2pcs. 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 failure
System	Sensor failure, main board communication error, door ajar
Accessories	
Freezer rack model	ZKL304-552B-CT
Freezer rack/box (quantity)	16/400
Electrical Data	
Power supply(V/HZ)	110-230V/50&60Hz
Rated current (A)	13.42A

Options

M-TwinDrive 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

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