



Data Sheet
Glacier Series

GL-U-14M

-86°C Ultra Low Freezer

GL-U-14M

-86°C Ultra Low Temperature Freezer

GENERAL SPECIFICATIONS

Cabinet Type	Upright
Capacity	398L / 14.05 cu ft
Internal Size(W*D*H)	440*696*1266mm 17.32*27.40*49.84in
External Size(W*D*H)	785*1041*1947mm 30.90*40.98*76.65in
Package Size(W*D*H)	890*1165*2145mm 35.03*45.86*84.44in
NW/GW	237/272 kgs, 522/599lbs

PERFORMANCE

Temperature Range	-40 ~ -86 °C
Ambient Temperature	16 - 32°C
Climate Class	N
Cooling Performance	-86 °C
Controller	Microprocessor
Display	Touch screen

REFRIGERATION

Compressor	1
Cooling Method	Direct cooling
Defrost Mode	Manual
Refrigerant	Mixture gas
Insulation Thickness(mm)	130

CONSTRUCTION

External Material	High quality steel plates with spraying
Inner Material	Galvanized steel sheet
Shelves	3(stainless steel)
Door Lock with Key	Yes
External Lock	Yes
Access Port	2pcs. Ø 25 mm
Casters	4+(2 leveling feet)
Data Logging/Interval/Recording Time	USB/Record every 1 minute / 365 days
Backup Battery	Yes

ALARM

Temperature	High/Low temperature, High ambient temperature
Electrical	Power failure , Low battery
System	Sensor error, Main board communication error, Built-in datalogger USB failure, Condenser cooling failure, Door ajar, Samples out of date, System failure

ELECTRICAL

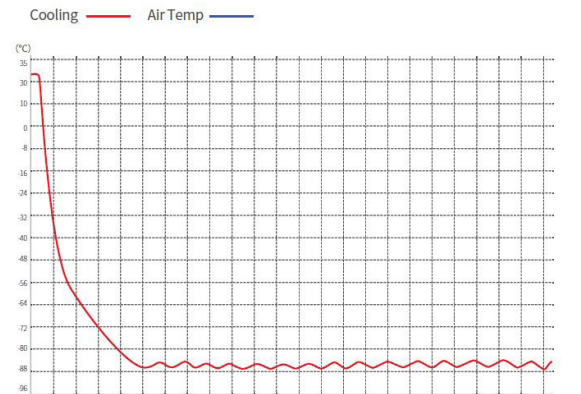
Power Supply(V/HZ)	220/60, 110/60
Rated Current(A)	14

OPTIONS ACCESSORY

System	Chart recorder, CO2 backup system, Printer Remote alarm contact
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► Performance Data / Cooling Curve



► External Dimensions

