DW-86HL100

Model:DW-86HL100, Upright Type Freezer
Effective Capacity:100 Liter
Temperature range: –10°C to –86°C
(limit temp. is –90°C)

Features:
Upright type ● Inside temperature ranging from –10°C~–86°C can be set freely, controlling precision is 1°C, with printer ● Outer steel board, Stainless steel interior ● Front opening lockable door with full height handle ● 120mm foaming insulation ● Vacuum release port ● Inner 2 shelves Stainless steel with inner door ● Imported Danfoss compressor, One compressors work, 3–4hours come to –86°C ● Fan electromotor with Germany EBM ● Microprocessor–based temp. control system, platinum resistance sensors ●

Digital temperature display ● Keyboard lock and password protected configuration page ● Audible and visual alarm:
● High or low temperature alarm, Power failure alarm, Low battery alarm, Door ajar alarm, Filter blocking alarm, system failure alarm ● With temperature printer, record 7 days data ● 72 hour battery back up for printer & controller display
● 4 units Casters for easy handing ● Mixture gas with R134a,R404a,R23,R24,N2,R600a and more, CFC free ● Certificate: ISO9001, ISO14001,lSO13485 ● Power supply: 220V/50Hz 1 phase, can change as 220V/60Hz or 110V/50Hz or 110V/60Hz
● **Optional: chart recorder, CO² back up, storage racks, boxes.**

Model	Capacity	External size (mm)	Inside size (mm)	Input power	Weight (N.T/G.T)
DW–86HL100	100 Liters	W720xD1000xH793	W450xD450xH500	1000W	225Kg/250Kg

DW–86HW50

Model:DW–86HW50, Small chest freezer
Effective Capacity:49 Liter
Temperature Range: –10°C to –86°C

The Ultra–low Temperature Freezer offers a wide variety of research & storage applications, such as low temperature scientific experiments, preservation of plasma, biomaterial, vaccine, biomedical product, and testing low–temperature–resistant properties of products.
It is suitable for research institutes, electronic industries, chemical engineering industries, hospital, sanitation and anti epidemic stations, university laboratories, military industries.

Control System:
● Microprocessor–based temperature controller , –10°C~–86°C can be set freely , controlling precision is 1°C, Digital temperature display
● Audible and visual alarm: High or low temperature alarm, system failure alarm
● Delayed start and safe stop interval between restart and being terminated
● Power supply: Normally 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ.

Structure Design:
● Chest type
● Stainless steel interior, outer is painted steel panel
● Top door with key lock
● 90mm extra thick heat insulation
● 4units Casters for easy handing
● Optional: CO2 back up system, Basket.

Refrigeration System:
● Danfoss compressor (1unit) with Germany EBM fan motor
● Quick freezing switch, 3 hours cooling temperature come to –86°C
● Technology of mixture refrigerant, which composed of R134a,R404a,R23,R24,N2,R600a and more, CFC free
● Certificate:CE, ISO9001, ISO14001, ISO13485

Model	Capacity	Temp. range	External size(mm)	Inside size (mm)	Input power	Weight (N.T/G.T)
DW–86HW50	49 Liters	–10°C ~ –86°C	W600xD560xH910	W343xD343xH415	300W	60Kg/66Kg

−86°C Models	Rack Size (mm)	Racks/Freezers	Boxes/Racks	Total Boxes / Freezer
DW−86HL218	140 x 435 x 336	6	20	120
DW−86HL328	140 x 435 x 280	12	20	240
DW−86HL388	140 x 550 x 225	12	20	240
DW−86HL538	140 x 550 x 225	16	20	320
DW−86HL688	133 x 510 x 133	20	20	400
DW−86HL768	133 x 510 x 133	24	20	480
DW−86HL828	140 x 680 x 320	24	30	720

−65°C Models	Rack Size (mm)	Racks/Freezers	Boxes/Racks	Total Boxes / Freezer
DW−65GL218	140 x 435 x 336	6	20	120
DW−65GL328	140 x 435 x 280	12	20	240
DW−65GL388	140 x 550 x 225	12	20	240
DW−65GL538	140 x 550 x 225	16	20	320
DW−65GL828	140 x 680 x 320	24	30	720

−86°C Models	Rack Size (mm)	Racks/Freezers	Boxes/Racks	Total Boxes / Freezer
DW−86HW138	143 x 140 x 540	8	16	128
DW−86HW328	143 x 140 x 560	24	16	384

−65°C Models	Rack Size (mm)	Racks/Freezers	Boxes/Racks	Total Boxes / Freezer
DW−65GW138	143 x 140 x 540	8	16	128
DW−65GW328	143 x 140 x 560	24	16	384

−40°C Models	Rack Size (mm)	Racks/Freezers	Boxes/Racks	Total Boxes / Freezer
DW−40FL531	140 x 550 x 225	16	20	320

Option: SMS Temperature & Humidity Alarm

3 simple steps starting the unit:
- Insert the SIM card
- Plug in the sensors connectors
- Connect the AC power cord.

Specifications:
- AC 90~260V Auto Select
- Internal 2Ah Rechargeable Battery
- Non−Stop Operation in AC power loss
- SMS Alert on AC power loss.

AL−SMS−THR Series, Smart Energy Control ...
Energy Saving, Environment & Properties Protection

Application:
Temperature & Humidity SMS Alert Controller can be utilized in monitoring the environmental condition for commercial, medical, food , storage, weather station, military, manufacturing industries.

It makes use of SMS to alert users of temperature and humidity conditions via SMS. By implementing the bundled Server/Client Software and GSM modem, a management system of multi-controllers can be built up to monitor a number of remote sites in one single centre.

Features:
- Alarm Alert Modes—SMS, Phone Dial or Both.
- Each alarm is associated with its own alarm SMS text.
- Alarm SMS text is programmable by user remotely via SMS or Setup Software.
- Independent text message for each alarm . Independent text message for close or open triggered alarm.
- Configuration can be modified by user remotely via SMS or Setup Software.
- Arm or Disarm by SMS or Setup Software.
- Relay triggered by alarm or SMS command.
- Verification of command by return SMS.

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