

**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 handling • Mixture gas with R134a,R404a,R23,R24,N2,R600a and more, CFC free • Certificate: ISO9001, ISO14001,ISO13485 • 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

**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.

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

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 handling
- Optional: CO₂ back up system, Basket.

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

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



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.

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.