

Haier Biomedical

Intelligent Protection of Life Science

-86°C ULT Freezer

DW-86W100J



Energy Saving

VIP (Vacuum Insulation Panel) design with extra insulation cuts down on heat loss to cabinet by 25% and helps reduce energy consumption by more than 20%, power consumption only 5 kWh/day



Low noise

High quality hermetically sealed compressor with innovative refrigeration cabinet design, noise level lower than 50dB(A), creating a comfortable working environment



Reliable

Cabinet temperature can reach -86°C with temp uniformity within 5°C

Complementary products



CO₂
Backup
Systems



Chart
Recorder



Stainless
Steel
Racks



Cryo
Boxes

Specifications

DW-86W100J

Technical Data

Type	-86°C ULT Freezer
Cabinet Type	Chest
Climate Class	N
Cooling Type	Direct cooling
Defrost Mode	Manual
Refrigerant	HC
Noise Level (dB)	49

Performance

Cooling performance(°C)	-86
Temperature Range(°C)	-40~-86

Control

Controller	Microprocessor
Display	LED

Electrical Data

Power Supply(V/Hz)	220-240/50
Power(W)	550
Electrical Current(A)	4

Functions

High/Low Temperature	Y
Remote Alarm	Y
Hot Condenser	Y
Power Failure	Y
Sensor Error	Y
Low Battery	Y
High Ambient Temp	Y
Door Ajar	Y



Accessories

Caster	Y
Foot	Y
Test Hole	Y/1
Shelves/Inner Doors	-/1
Temperature Recorder	Optional
USB Interface	Y
Rs232/485 Interface	Optional
CO ₂ Backup System	Optional
LN ₂ Backup System	Optional
Racks & Boxes	Optional

Dimensions

Capacity(L/Cu.Ft)	100/3.5	
Net/Gross Weight(approx)	138/160(kg)	304.2/352.7(lbs)
Interior Dimensions(W*D*H)	470*450*480(mm)	18.5*17.7*18.9(in)
Exterior Dimensions(W*D*H)	769*825*1120(mm)	30.3*32.5*44.1(in)
Packing Dimensions(W*D*H)	845*855*1250(mm)	33.3*33.7*49.2(in)
Container load (20'/40'/40'H)	12/24/48	

Accessories & consumables

DW-86 W100J

Consumables

Racks	Part Code
Model	DCJ-08-A
Q'ty/Layer	9
Dimension (W*D*H)	140*140*480(mm) 5.5*5.5*18.9(in)

Boxes	Part Code			
Model	T130	HBB-200-PP	HBB-281-PC	HBB-200-C
Material	PP	PP	PC	PC
Dimension (W*D*H)	133*133*53.5(mm) 5.2*5.2*2.1(in)			
Q'ty/Rack	8			

Total Q'ty

Racks	9			
Boxes	72			
Vials	5832	7200	5832	7200

Complementary products



CO2 Backup Systems



Stainless Steel Racks



Chart Recorder



Cryo Boxes

CO₂ Backup System

Model	HBX-IC
Temperature range	-40°C to -70°C

LN₂ Backup System

Model	HBX- II A
Temperature range	-90°C to -135°C

Chart Recorder

Temperature range	+50°C to -115°C
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Others

Certificate	CE
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Haier Biomedical UK



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.