

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

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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Complementary products



CO₂
Backup
Systems



Stainless
Steel
Racks

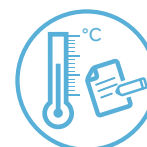


Chart
Recorder



Cryo
Boxes

