

## -150°C Cryogenic Chest Freezer DW-150W200



### GENERAL

Storage Capacity(L/Cu.Ft)		200/7 0
Temperature Range(°C)		-126 ~ -150
Noise (dB(A))		69.5
Net/Gross Weight (kg)		315/385
Exterior Dimensions(W*D*H)	mm	1670*850*1060
	in	65.7*33.5*41.7
Interior Dimensions (W*D*H)	mm	667*462*650
	in	26.3*18.2*25.6

### ENVIRONMENTAL & ELECTRICAL DATA

Electrical Power (V/Hz)	380V50Hz
Power Consumption (kW·hr/day)	26
Electrical Current (A)	11
Building Supply Rating (A)	16
Power Lead Length (m)	2.5
Heat Rejection (BTU/day)	136487(stable operation)
Ambient Temperature	10°C ~ 25°C

### REFRIGERATION CONFIGURATION

Refrigeration System Type	Direct cooling
Compressor Type/Brand/Number	Hermetic Reciprocating Type/Emerson/1
Compressor Capacity(W)	/
Evaporator Type	Cold Wall With Enhanced Heat Transfer Treatment
Defrost Method	Manual
Refrigerant Charge/Flammable	R404 + R290+R508+X Mix

## CONTROLLER/ELECTRICAL SYSTEM FEATURES

Controller Level	Top
Power Switch	On-Off with Circuit Breaker
Controller Type	Microprocessor Control, Bright LED Display
Setpoint Security	Yes
Controller Sensor	PT100
Remote Alarm Terminals	Remote Alarm Port
Adjustable High/Low Temp Alarms	Adjustable

## CONSTRUCTION

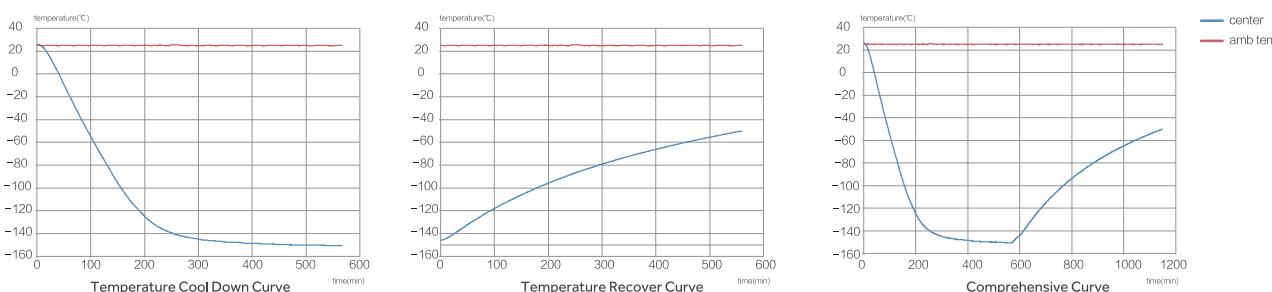
Insulation	VIP+CFC Free Foaming Agent
Exterior Door Seal	Two Seal On the Outside Door Seal Strip
Interior Door Seal	/
Shelves/Capacity/Dims/Material	/
Casters	All-direction caster with fixing stand
Exterior Material	Color Coating Cold Plate Steel
Interior Material	Stainless Steel
Door Thickness	100mm
Cabinet Thickness	140mm
Inner Door	Double Solid Door
Condenser Type	Finned and Forced-Air Cooled
Fan Brand	EBM
Back Up Battery For Alarm Functions	Support high/low temperature, power failure, sensor failure, high ambient temperature, hot condenser and low battery alarms
USB	Optional

## PERFORMANCE

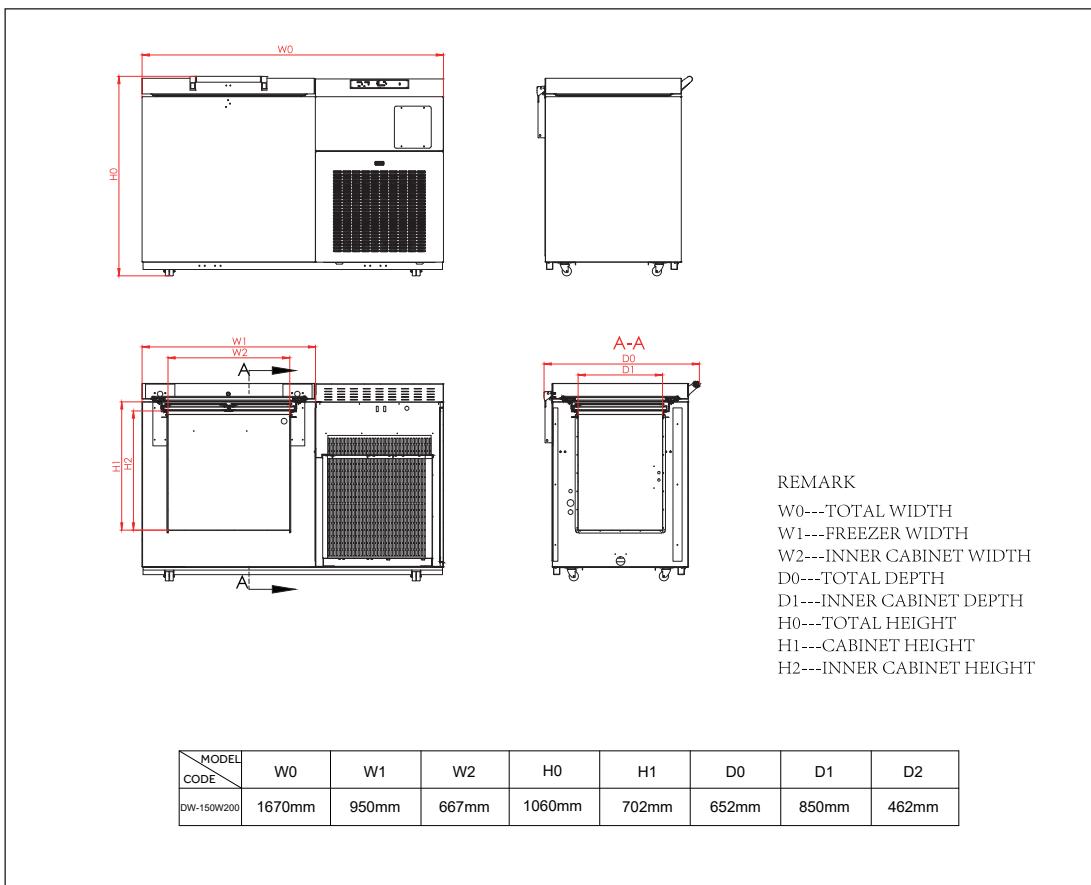
Temperature Uniformity( °C)	+11.7/+1
Temperature Accuracy( °C)	1
Cool Down Time (25 °C ambient to -140 °C) mins	Pull Down Times 25 To -140;330min
Warm Up Time (25 °C ambient -80 °C to -50 °C) mins	Warm Up Times -140 To -100;150 min
1 Min Door Open Recovery Time (ambient 25 °C running temp -75 °C )mins	

## CERTIFICATE

### TYPICAL PERFORMANCE CHARACTERISTICS IN 25 °C AMBIENT

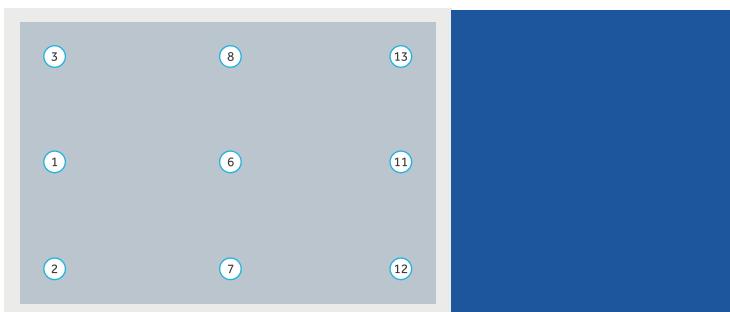


### PRODUCT DIMENSION DRAWINGS

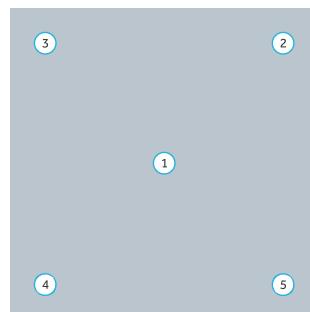


### TYPICAL CABINET TEMPERATURE MAP

Top view of shelves



Left view of shelves



°C	1	2	3	4	5	6	7	8	9	10
Max.	-143.2	-139	-139.5	-144	-143	-143.2	-138.3	-138.5	-143.6	-143.3
Min.	-149	-146.1	-147.8	-148.1	-148.7	-148.7	-144.3	-144.5	-148.9	-148.6
Avg.	-146.1	-142.6	-143.7	-146.1	-145.9	-146	-141.3	-141.5	-146.3	-146

°C	11	12	13	14	15
Max.	-143	-137.9	-137.8	-142.8	-143.1
Min.	-148.1	-148.2	-143.3	-148.5	-148.5
Avg.	-145.6	-143.1	-140.6	-145.7	-145.8

\*Typical freezer data based on internal testing.



**Qingdao Haier Biomedical Co.,Ltd.**

No.280 Feng Yuan Road, High-tech Zone,  
Qingdao, 266109, P.R. China  
Tel: +86-0532-88935955  
Website:www.haiermedical.com

**Haier Biomedical**

Intelligent Protection of Life Science