

-150°C Cryogenic Chest Freezer

DW-150W209



GENERAL

Storage Capacity (L/Cu.Ft)		209/7.4
Temperature Range (°C)		-130 ~-150
Noise (dB(A))		55
Net/Gross Weight (kg)		260/295
Exterior Dimensions (W*D*H)	mm	1670*850*1010
	in	65.7*33.5*39.8
Interior Dimensions (W*D*H)	mm	667*462*677
	in	26.3*18.2*26.7

ENVIRONMENTAL & ELECTRICAL DATA

Electrical Power (V/Hz)	220 ~ 240/50
Power Consumption (kW·h/day)	25
Electrical Current (A)	10
Building Supply Rating (A)	10
Power Lead Length (m)	2
Heat Rejection (BTU/day)	85300
Ambient Temperature (°C)	10-32

REFRIGERATION CONFIGURATION

Refrigeration System Type	Direct Cooling
Compressor Type/Brand/Number	Hermetic Reciprocating Type/SECOP/2
Compressor Capacity (W)	1099
Evaporator Type	Copper Tube Evaporator
Defrost Method	Manual
Refrigerant Charge/Flammable	mix/Yes

CONTROLLER/ELECTRICAL SYSTEM FEATURES

Controller Level	TOP
Power Switch	15A
Controller Type	Microprocessor
Setpoint Security	Yes
Controller Sensor	PT100
Remote Alarm Terminals	Yes
Adjustable High/Low Temp Alarms	Yes

CONSTRUCTION

Insulation	VIP+CFC Free Foaming Agent
Exterior Door Seal	Two Seal On The Outside Door Seal Strip
Casters	Y/4
Exterior Material	Color Coating Cold Plate Steel
Interior Material	Auminum
Door Thickness (mm)	70
Cabinet Thickness (mm)	140
Inner Door	Double Solid Doors
Condenser Type	Microchannel
Fan Brand	SUNON
Back Up Battery For Alarm Functions	Support high/low temperature, power failure, door ajar, sensor failure, high ambient temperature, hot condenser and low battery alarms, abnormal voltage alarm, power board failure alarm

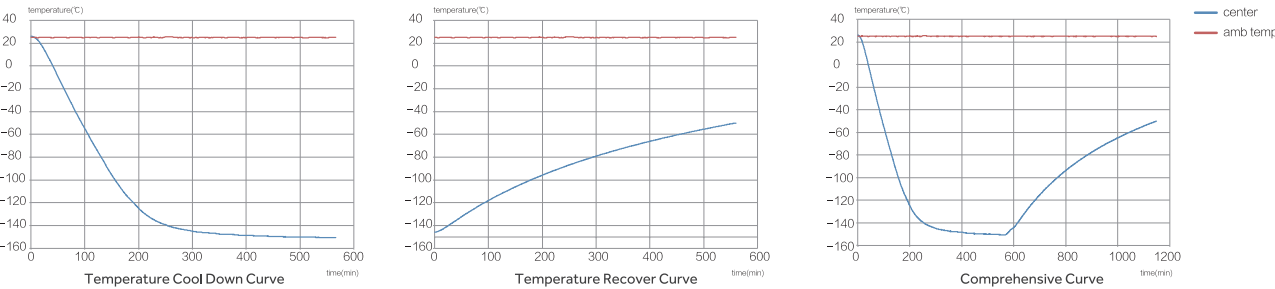
PERFORMANCE

Temperature Uniformity (°C)	±5
Temperature Accuracy (°C)	0.1
Cool Down Time (25°C ambient to -140°C) mins	660
Warm Up Time (25°C ambient -140°C to -100°C) mins	150
1 Min Door Open Recovery Time (ambient 25°C running temp -75°C) mins	45

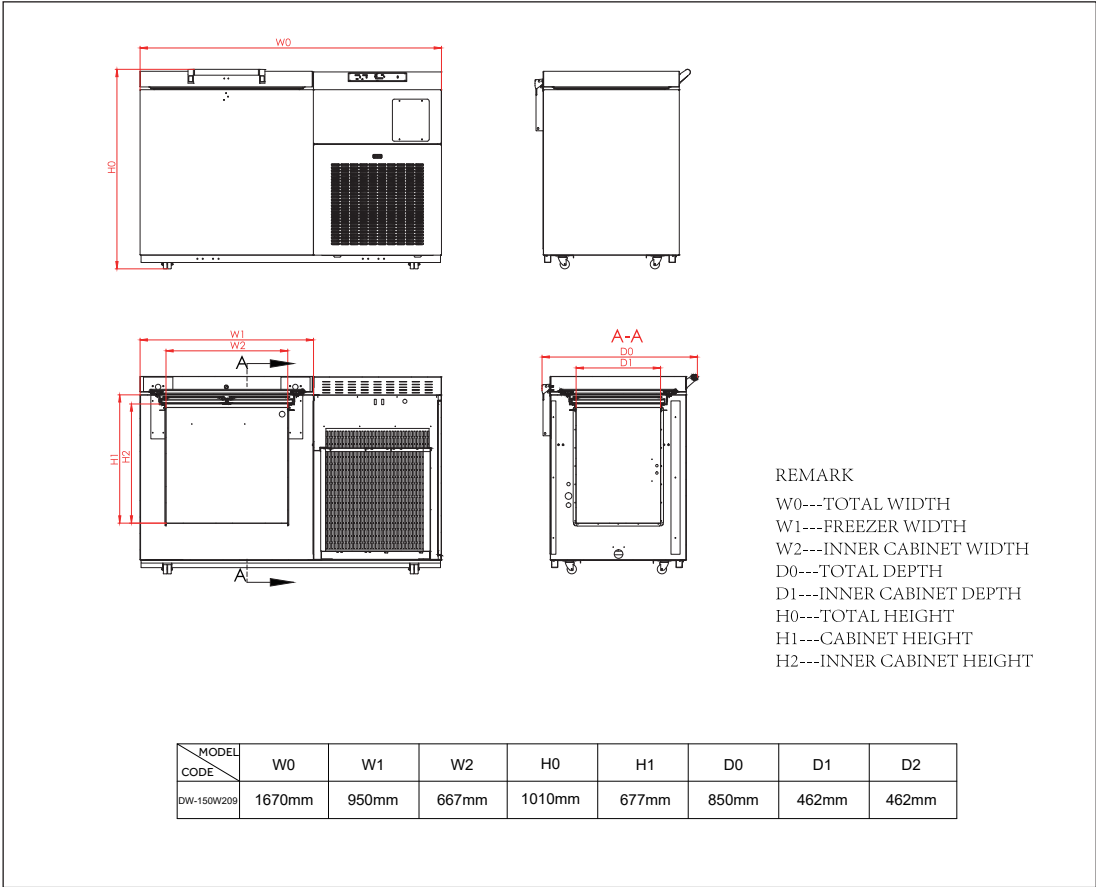
CERTIFICATE

CE

TYPICAL PERFORMANCE CHARACTERISTICS IN 25 °C AMBIENT

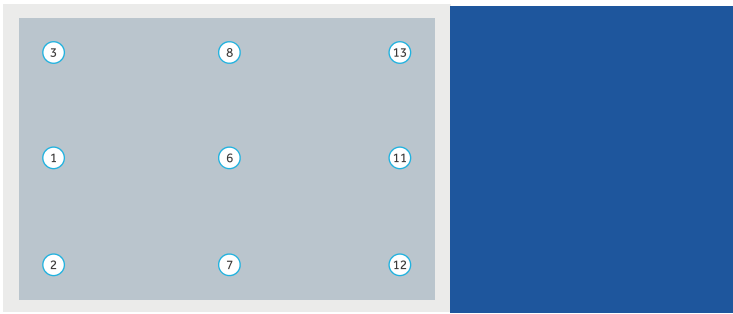


PRODUCT DIMENSION DRAWINGS



TYPICAL CABINET TEMPERATURE MAP

Top view of shelves



Left view of shelves

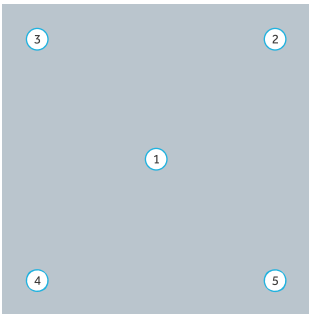


Table with 11 columns (°C, 1-10) and 4 rows (Max., Min., Avg., and an unlabeled row). It displays temperature data for the top view of shelves.

Table with 6 columns (°C, 11-15) and 4 rows (Max., Min., Avg., and an unlabeled row). It displays temperature data for the left view of shelves.

*Typical freezer data based on internal testing.

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