

-40°C Biomedical Freezer DW-40L278



GENERAL

Storage Capacity(L/Cu.Ft)		278/9.8
Temperature Range(°C)		-20j-40
Noise (dB(A))		40
Net/Gross Weight (kg)		115/135
Exterior Dimension (W×D×H)	mm	745*675*1810
	in	29.3*26.6*71.3
Interior Dimension (W×D×H)	mm	520*435*1230
	in	20.5*17.1*48.4

ENVIRONMENTAL & ELECTRICAL DATA

Electrical Power (V/HZ)	220~240/50
Power(W)	275
Power Consumption(kW-hr/day)	3.1
Electrical Current (A)	2.9
Building Supply Rating (A)	10
Power Lead Length (m)	2.5
Heat Rejection (BTU/hr)	430
Ambient Temperature(°C)	10 - 32

REFRIGERATION CONFIGURATION

Refrigeration System Type	CFC-Free
Compressor Type/Brand/Number	NLE12.6CNL/SECOP/ 1
Compressor Capacity (W)	425
Evaporator Type	Aluminium tube and plate type
Defrost Method	Manual
Refrigerant Charge/Flammable	R290/Flammable

CONTROLLER/ELECTRICAL SYSTEM FEATURES

Controller Level	Top
Power Switch	10A
Controller Type	Microprocessor
Setpoint Security	Yes
Controller Sensor	PT100
Remote Alarm Terminals	Remote Alarm Port
Adjustable High/Low Temp Alarms	Y
Auto Voltage Safeguard	N

CONSTRUCTION

Insulation	Ring Isopentane Foaming Agent
Exterior Door Seal	Two Seal On The Outside Door Seal Strip
Material	□
Casters	Y/4,back-and-forth moving castor with leg
Exterior Material	Cold Plate SPCC Powder Coated
Interior Material	PS Plate Adsorption
Door Thickness (mm)	90
Cabinet Thickness (mm)	90
Inner Door	N
Condenser Type	Steel Wire and tube,Forced-Air Cooled
Fan Brand	EBM
Back Up Battery For Alarm Functions	Support high/low temperature, power failure, door open, sensor failure, high ambient temperature and low battery alarms

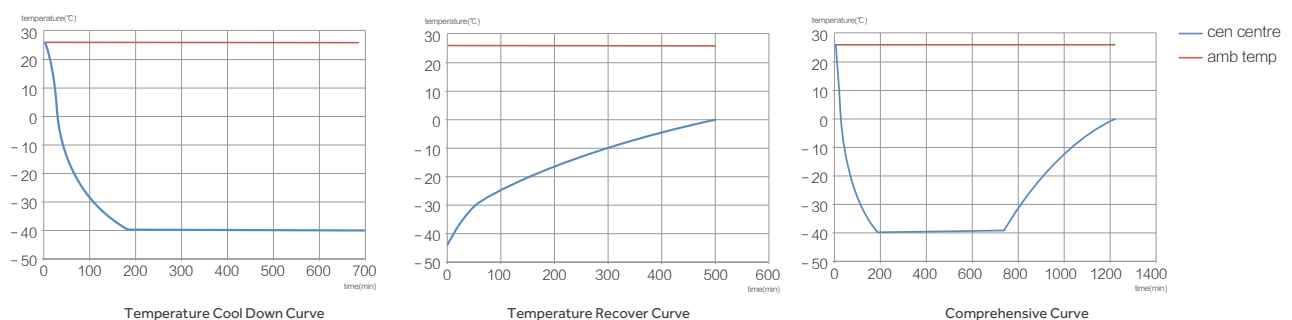
PERFORMANCE

Temperature Uniformity (°C)	±3
Temperature Accuracy (°C)	0.1
Pull Down Time (25°C ambient to -40°C) mins	170
Warm Up Time (25°C ambient -40°C to -20°C) mins	160

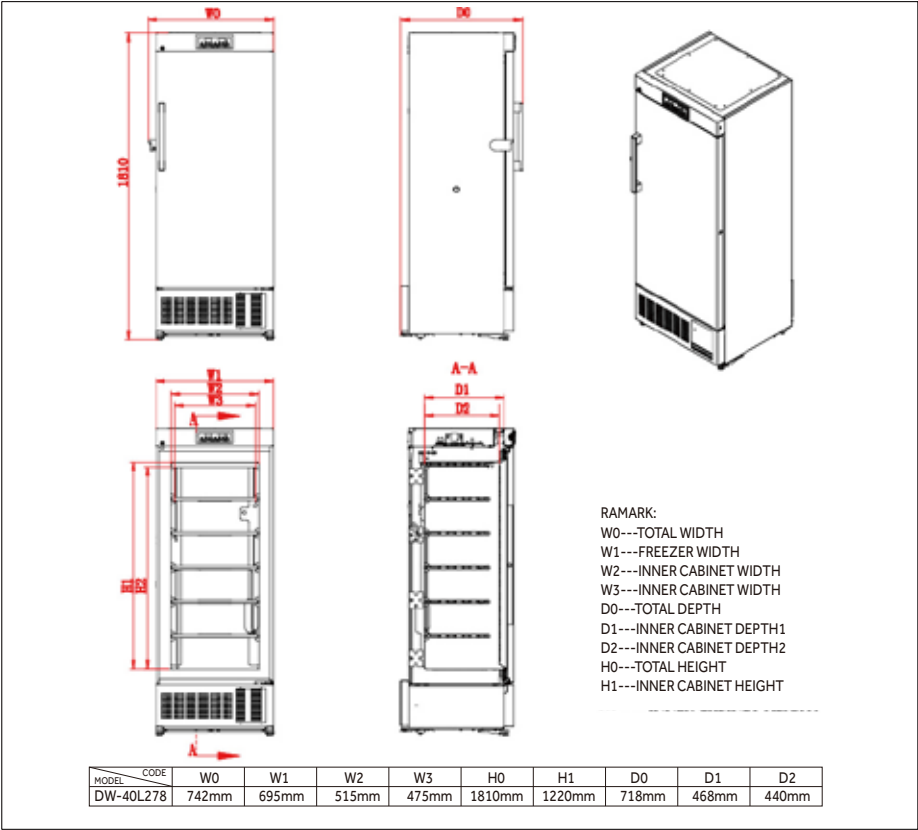
CERTIFICATE

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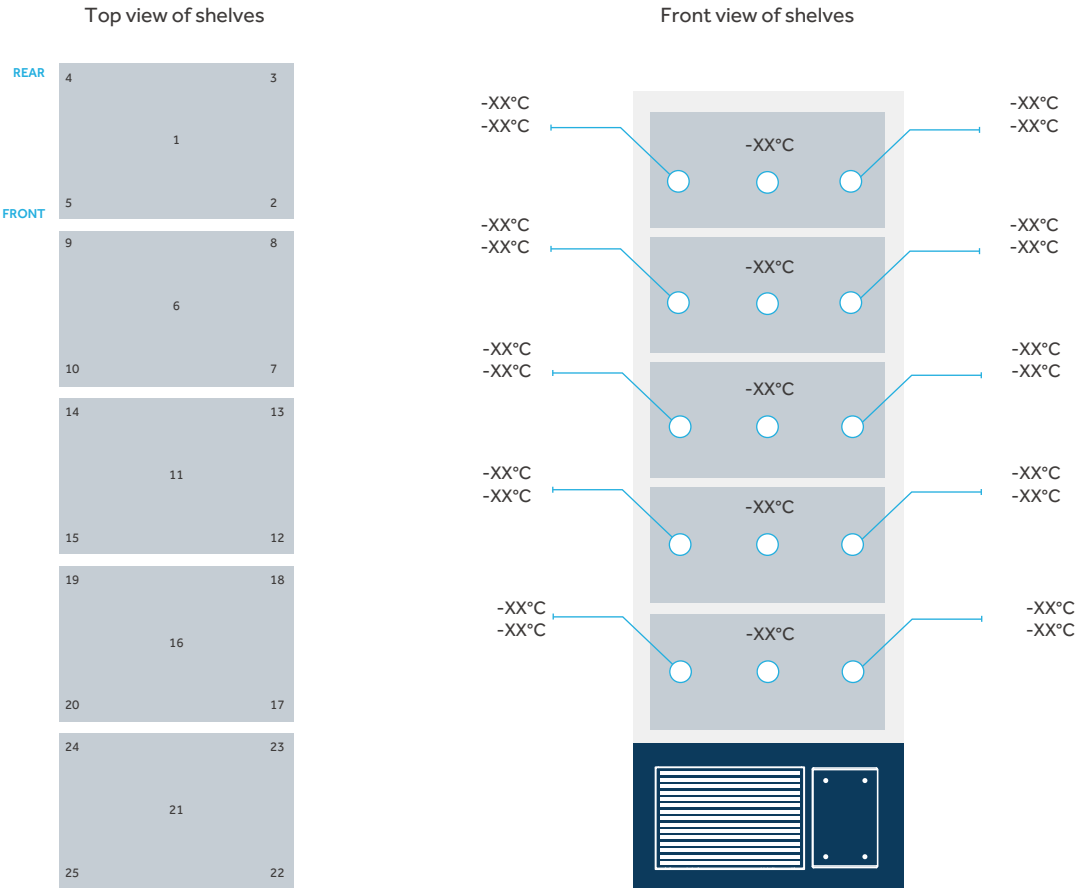
TYPICAL PERFORMANCE CHARACTERISTICS IN 25°C AMBIENT



PRODUCT DIMENSION DRAWINGS



TYPICAL CABINET TEMPERATURE MAP



°C	1	2	3	4	5	6	7	8	9	10	11	12
Max.	-36.8	-36.3	-36.6	-36.8	-36.6	-40.1	-40.2	-40.2	-40.3	-40.1	-40.7	-40.7
Min.	-39.5	-38.9	-39.5	-39.3	-39.3	-43.7	-43.5	-43.5	-43.7	-43.7	-43.7	-43.7
Avg.	-38.2	-37.6	-38.1	-38.1	-38.0	-41.9	-41.9	-41.9	-42.0	-41.9	-42.2	-42.2

°C	13	14	15	16	17	18	19	20	21	22	23	24	25
Max.	-40.7	-40.8	-40.7	-42.0	-42.3	-42.1	-42.2	-42.1	-40.5	-39.4	-40.3	-40.1	-40.3
Min.	-43.7	-43.8	-43.7	-43.6	-43.7	-43.6	-43.7	-43.4	-43.0	-42.1	-42.6	-43.5	-43.3
Avg.	-42.2	-42.3	-42.2	-42.8	-43.0	-42.9	-43.0	-42.8	-41.8	-40.8	-41.5	-41.8	-41.8



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