

## -40°C Biomedical Freezer DW-40L262



### GENERAL

Storage Capacity(L/Cu.Ft)		262/9.3
Temperature Range(°C)		-20 ~ -40
Noise (dB(A))		44
Net/Gross Weight (kg)		88/93
Exterior Dimension (W×D×H)	mm	700*705*1665
	in	27.6*27.8*65.6
Interior Dimension (W×D×H)	mm	480*465*1430
	in	18.9*18.3*56.3

### ENVIRONMENTAL & ELECTRICAL DATA

Electrical Power (V/HZ)	220 ~ 240/50/60	115/60
Power(W)	400	600
Power Consumption(kW-hr/day)		4.3
Electrical Current (A)	4.8	7.5
Building Supply Rating (A)	10	10
Power Lead Length (m)	2.1/2.4/2.5/3.4	2.5
Heat Rejection (BTU/hr)		640
Ambient Temperature (°C)		10 - 32

### REFRIGERATION CONFIGURATION

Refrigeration System Type	CFC-Free
Compressor Type/Brand/Number	SC12CLX.2/SECOP/ 1
Compressor Capacity (W)	385
Evaporator Type	Wire and tube type
Defrost Method	Manual
Refrigerant Charge/Flammable	R404a

CONTROLLER/ELECTRICAL SYSTEM FEATURES

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

CONSTRUCTION

Insulation	Ring Isopentane Foaming Agent
Exterior Door Seal	One 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)	88
Inner Door	N
Condenser Type	Steel Wire and tube
Fan Brand	EBM
Back Up Battery For Alarm Functions	/

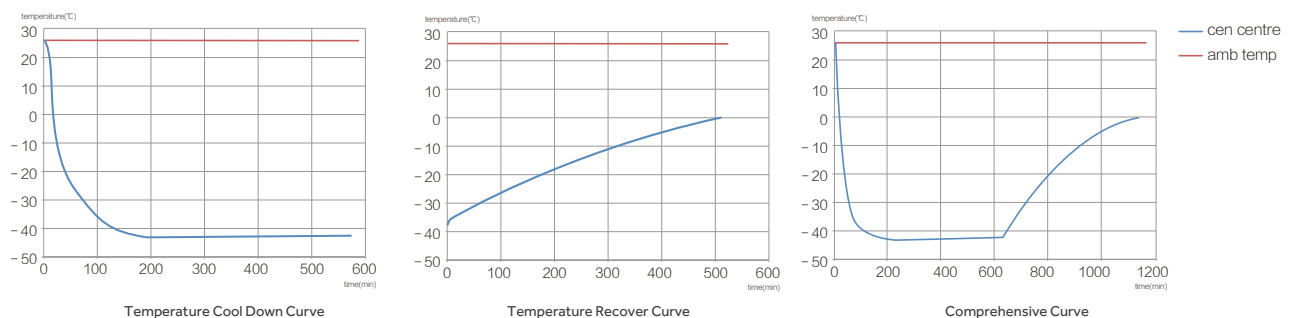
PERFORMANCE

Temperature Uniformity (°C)	±3
Temperature Accuracy (°C)	1
Pull Down Time (25°C ambient to -40°C) mins	240
Warm Up Time (25°C ambient -40°C to -20°C) mins	170

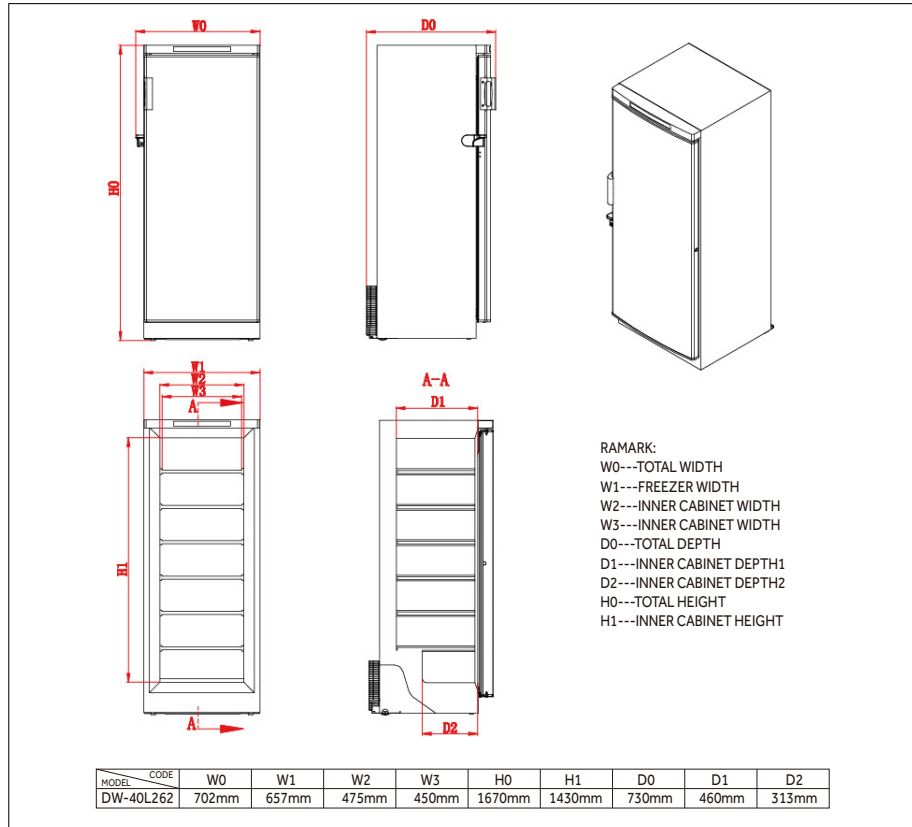
CERTIFICATE

CE

TYPICAL PERFORMANCE CHARACTERISTICS IN 25°C AMBIENT

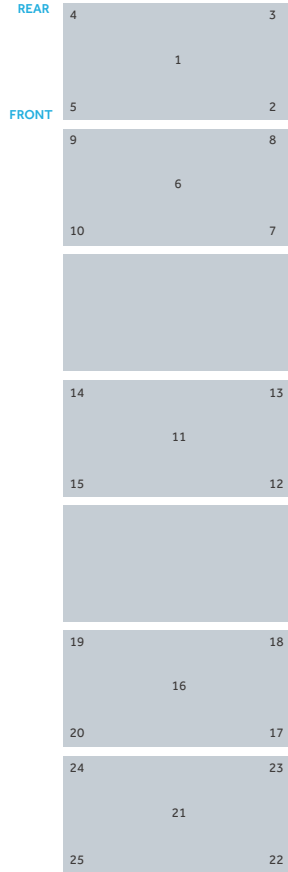


### PRODUCT DIMENSION DRAWINGS

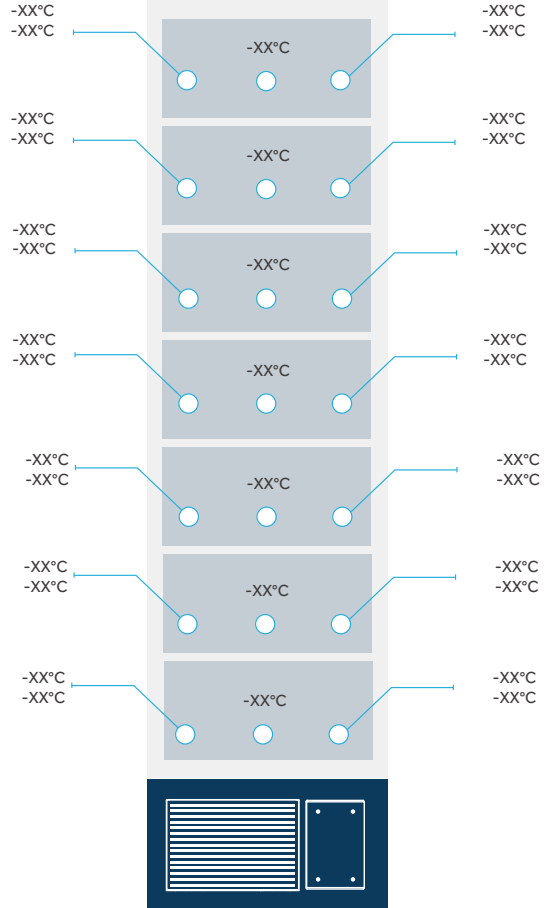


### TYPICAL CABINET TEMPERATURE MAP

Top view of shelves



Front view of shelves



°C	1	2	3	4	5	6	7	8	9	10	11	12
Max.	-36.3	-36.0	-36.5	-36.5	-36.7	-38.9	-38.7	-38.9	-39.0	-39.1	-40.2	-40.1
Min.	-39.8	-39.7	-40.3	-40.2	-40.0	-41.2	-41.3	-41.7	-41.4	-41.3	-42.5	-42.5
Avg.	-38.1	-37.9	-38.4	-38.4	-38.4	-40.1	-40.0	-40.3	-40.2	-40.2	-41.4	-41.3

°C	13	14	15	16	17	18	19	20	21	22	23	24	25
Max.	-40.2	-40.3	-40.4	-39.9	-39.8	-39.9	-40.0	-40.0	-39.1	-39.4	-39.0	-39.5	-39.1
Min.	-42.5	-42.5	-42.5	-42.2	-42.4	-42.3	-42.2	-42.4	-41.6	-41.2	-41.4	-41.7	-41.4
Avg.	-41.4	-41.4	-41.5	-41.1	-41.1	-41.1	-41.1	-41.2	-40.4	-40.3	-40.2	-40.6	-40.2



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