

Intelligent Protection of Life Science

# -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 | /   |

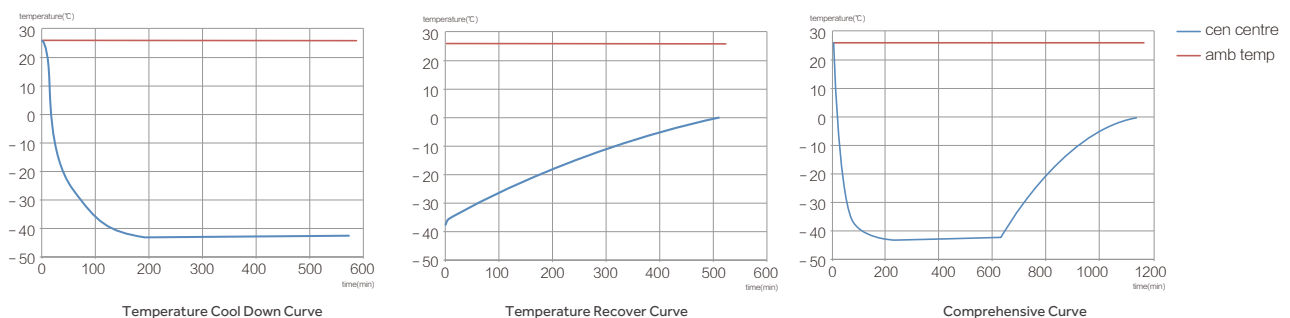
### PERFORMANCE

|   |     |
|---|-----|
| 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 |

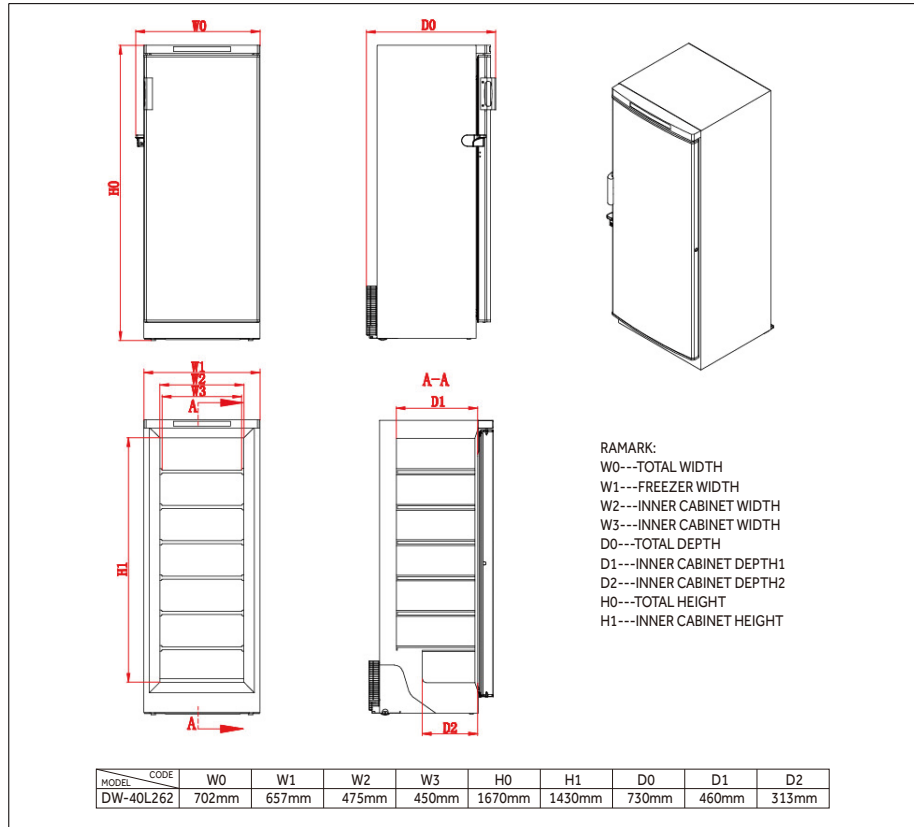
### CERTIFICATE

CE

### TYPICAL PERFORMANCE CHARACTERISTICS IN 25°C AMBIENT

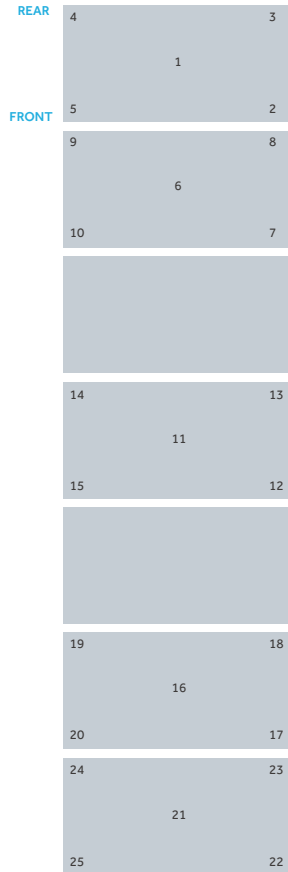


PRODUCT DIMENSION DRAWINGS

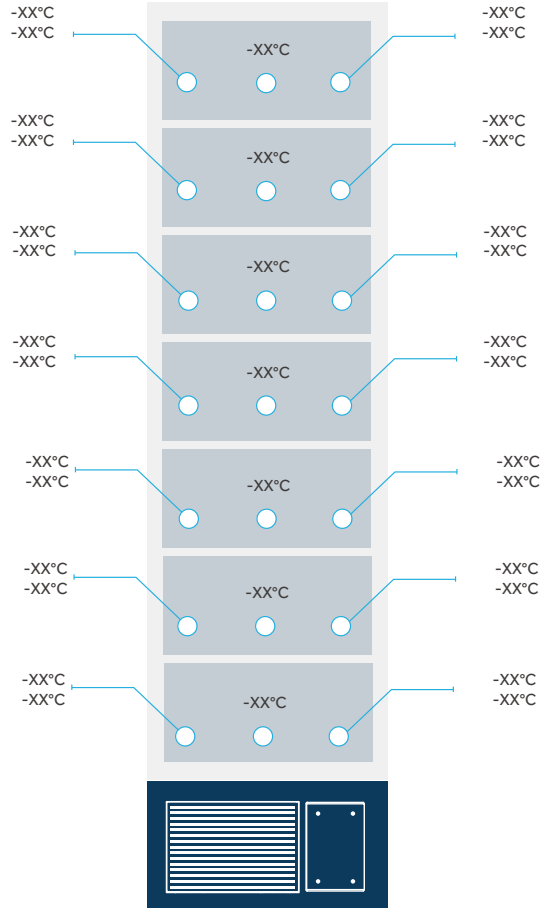


### TYPICAL CABINET TEMPERATURE MAP

Top view of shelves

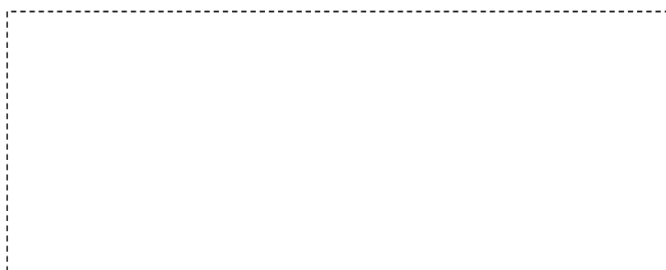


Front view of shelves



| °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 |



発売元

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