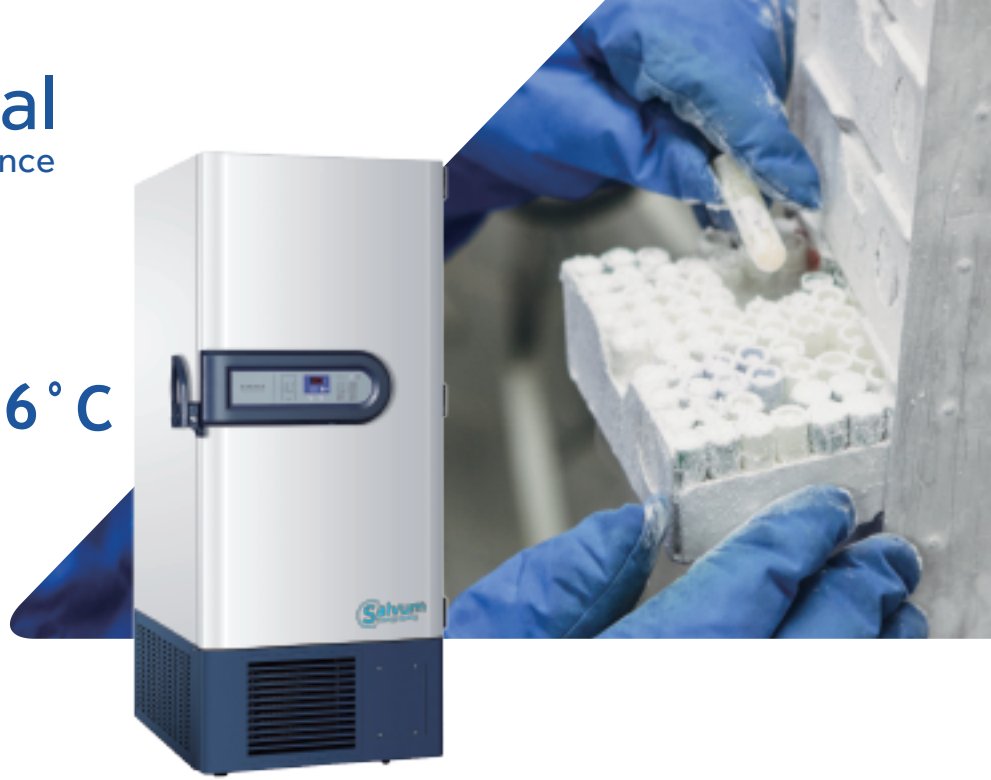


ULTRA Freezer -86 °C

DW-86L578J



INFO GENERALI

| | | |
|----------------------------|----|----------------|
| Capacità (L/Cu.Ft) | | 578/20.4 |
| Range Temperatura (°C) | | -40 ~ -86 |
| Rumorosità (dB(A)) | | 50 |
| Peso netto/lordo (kg) | | 300/330 |
| Dimensioni esterne(W*D*H) | mm | 895*980*1960 |
| | in | 35.4*38.6*77.2 |
| Dimensioni interne (W*D*H) | mm | 620*716*1310 |
| | in | 24.4*28.2*51.6 |

ENVIRONMENTAL & ELECTRICAL DATA

| | | |
|-------------------------------|--|--------------|
| Electrical Power (V/Hz) | | 220 ~ 240/50 |
| Power (W) | | 900 |
| Power Consumption (kW-hr/day) | | 8.5 |
| Electrical Current (A) | | 9 |
| Building Supply Rating (A) | | 16 |
| Power Lead Length (m) | | 2.5 |
| Heat Rejection (btu/24hr) | | 29003 |
| Ambient Temperature | | 10°C ~ 32°C |

REFRIGERATION CONFIGURATION

| | |
|------------------------------|--|
| Refrigeration System Type | Direct cooling |
| Compressor Type/Brand/Number | Hermetic Reciprocating Type/SECOP/2 |
| Compressor Capacity(W) | 950 |
| Evaporator Type | Cold Wall With Enhanced Heat Transfer Treatment |
| Defrost Method | Manual |
| Refrigerant Charge/Flammable | R290 in 1st Stage / R290+R170 Mix in 2nd Stage / Flammable |

CONTROLLER/ELECTRICAL SYSTEM FEATURES

| | |
|---------------------------------|---|
| Controller Level | Top |
| Power Switch | On-Off with Circuit Breaker |
| Controller Type | Microprocessor Control, Bright LED Display, USB Data Export |
| Setpoint Security | Yes |
| Controller Sensor | PT100 |
| Remote Alarm Terminals | Remote Alarm Port, RS232/RS485 (Optional) |
| Adjustable High/Low Temp Alarms | Adjustable |
| Auto Voltage Safeguard | / |

CONSTRUCTION

| | |
|-------------------------------------|--|
| Insulation | VIP+CFC Free Foaming Agent |
| Exterior Door Seal | Four Seal On the Outside Door Seal Strip |
| Interior Door Seal | One Seal On the Interior Door Seal Strip |
| Shelves/Capacity/Dims/Material | 3 stainless steel adjustable shelves with dimensionmm 604*677 mm(W*D), max capacity per shelf:80 kg,176.4 lbs |
| Casters | All-direction caster with fixing stand |
| Exterior Material | Color Coating Steel Plate |
| Interior Material | Color Coating Steel Plate |
| Door Thickness | 90mm |
| Cabinet Thickness | 90mm |
| Inner Door | Four Solid Door |
| Condenser Type | Enhanced Micro-Channel and 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, hot condenser and low battery alarms |

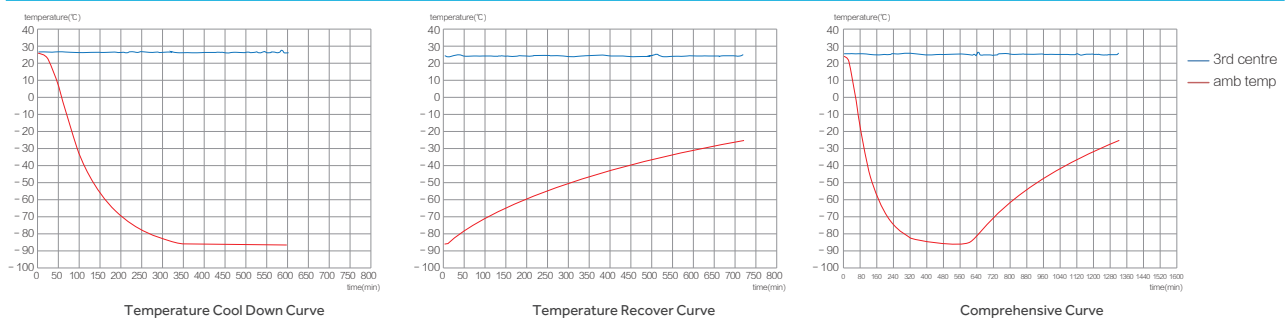
PERFORMANCE

| | |
|---|-----|
| Temperature Uniformity(C) | 6 |
| Temperature Accuracy(C) | 1 |
| Cool Down Time (25 C ambient to -80 C) mins | 270 |
| Warm Up Time (25 C ambient -80 C to -50 C) mins | 260 |
| 1 Min Door Open Recovery Time (ambient 25 C running temp -75 C)mins | 30 |

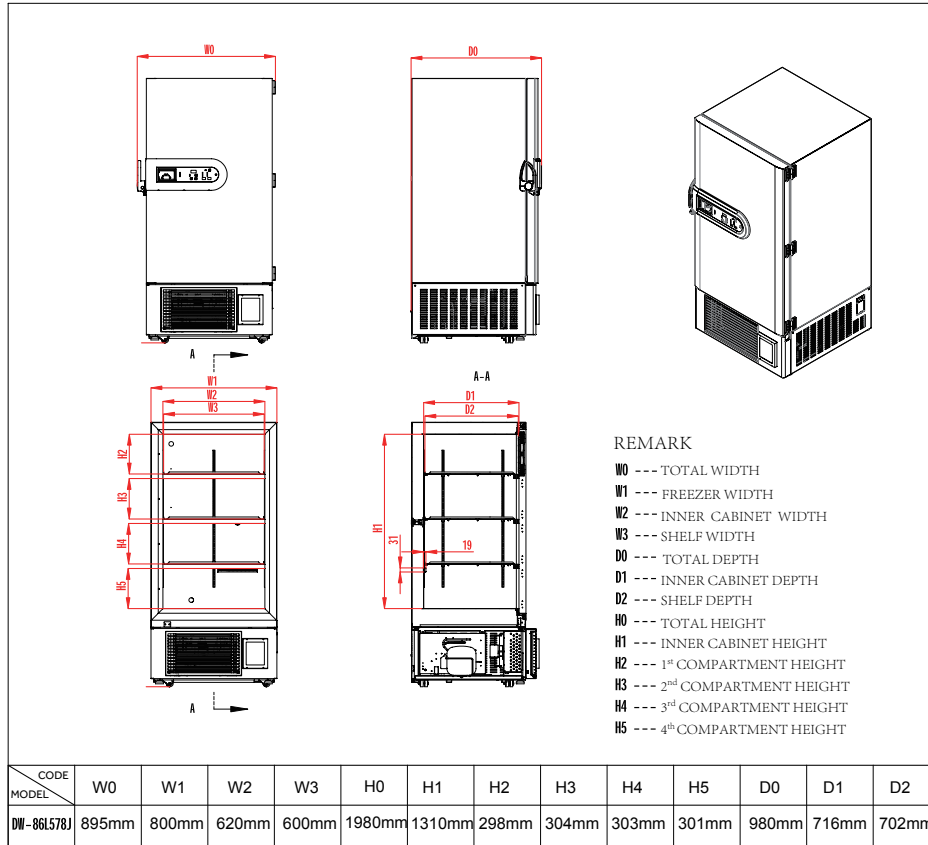
CERTIFICATE

CE

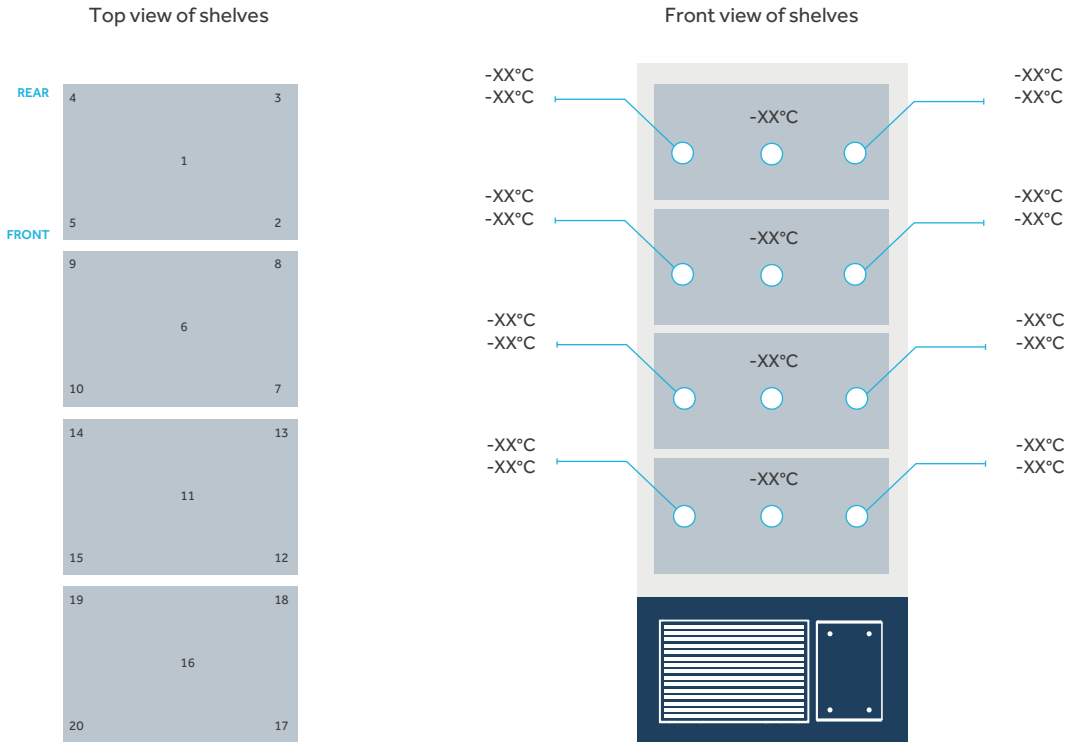
TYPICAL PERFORMANCE CHARACTERISTICS IN 25 °C AMBIENT



PRODUCT DIMENSION DRAWINGS



TYPICAL CABINET TEMPERATURE MAP



| °C | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Max. | -80.4 | -81 | -81 | -81.4 | -81.8 | -81.2 | -81.4 | -82 | -82.2 | -81.4 |
| Min. | -83.8 | -83.7 | -83.7 | -84.1 | -84.1 | -83.3 | -83.6 | -84.5 | -84.6 | -83.5 |
| Avg. | -82.1 | -82.4 | -82.4 | -82.8 | -83 | -82.3 | -82.5 | -83.3 | -83.4 | -82.5 |

| °C | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Max. | -81.2 | -81.2 | -81.7 | -81.8 | -81.4 | -78.5 | -78.2 | -79.1 | -78.7 | -78 |
| Min. | -83 | -83.1 | -83.9 | -83.9 | -83.3 | -80.3 | -80 | -81.1 | -80.6 | -79.9 |
| Avg. | -82.1 | -82.2 | -82.8 | -82.9 | -82.4 | -79.4 | -79.1 | -80.1 | -79.7 | -79 |



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