

## -150°C Cryogenic Chest Freezer

### DW-150W200



GENERAL

|                             |    |                |
|-----------------------------|----|----------------|
| Storage Capacity(L/Cu.Ft)   |    | 200/7 0        |
| Temperature Range(℃)        |    | -126 ~-150     |
| Noise (dB(A))               |    | 69.5           |
| Net/Gross Weight (kg)       |    | 315/385        |
| Exterior Dimensions(W*D*H)  | mm | 1670*850*1060  |
|                             | in | 65.7*33.5*41.7 |
| Interior Dimensions (W*D*H) | mm | 667*462*650    |
|                             | in | 26.3*18.2*25.6 |

ENVIRONMENTAL & ELECTRICAL DATA

|                               |                          |
|-------------------------------|--------------------------|
| Electrical Power (V/HZ)       | 380V50Hz                 |
| Power Consumption (kW-hr/day) | 26                       |
| Electrical Current (A)        | 11                       |
| Building Supply Rating (A)    | 16                       |
| Power Lead Length (m)         | 2.5                      |
| Heat Rejection (BTU/day)      | 136487(stable operation) |
| Ambient Temperature           | 10℃ ~25℃                 |

REFRIGERATION CONFIGURATION

|                              |                                                 |
|------------------------------|-------------------------------------------------|
| Refrigeration System Type    | Direct cooling                                  |
| Compressor Type/Brand/Number | Hermetic Reciprocating Type/Emerson/1           |
| Compressor Capacity(W)       | /                                               |
| Evaporator Type              | Cold Wall With Enhanced Heat Transfer Treatment |
| Defrost Method               | Manual                                          |
| Refrigerant Charge/Flammable | R404 + R290+R508+X Mix                          |



CONTROLLER/ELECTRICAL SYSTEM FEATURES

|                                 |                                            |
|---------------------------------|--------------------------------------------|
| Controller Level                | Top                                        |
| Power Switch                    | On-Off with Circuit Breaker                |
| Controller Type                 | Microprocessor Control, Bright LED Display |
| Setpoint Security               | Yes                                        |
| Controller Sensor               | PT100                                      |
| Remote Alarm Terminals          | Remote Alarm Port                          |
| Adjustable High/Low Temp Alarms | Adjustable                                 |

CONSTRUCTION

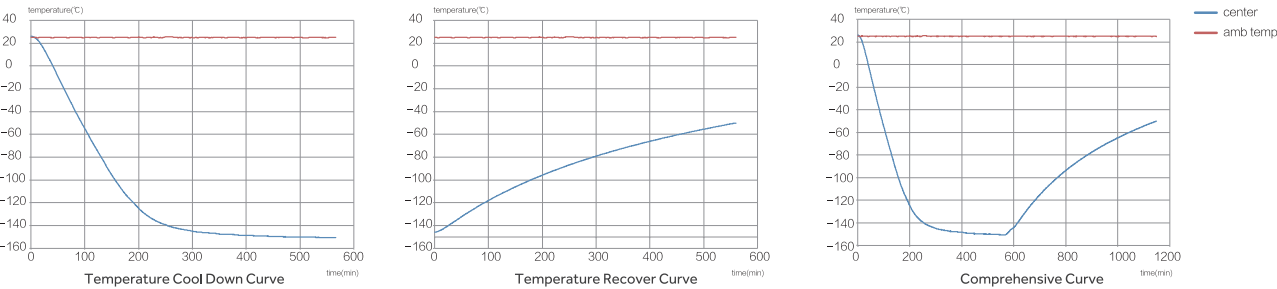
|                                     |                                                                                                                             |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Insulation                          | VIP+CFC Free Foaming Agent                                                                                                  |
| Exterior Door Seal                  | Two Seal On the Outside Door Seal Strip                                                                                     |
| Interior Door Seal                  | /                                                                                                                           |
| Shelves/Capacity/Dims/Material      | /                                                                                                                           |
| Casters                             | All-direction caster with fixing stand                                                                                      |
| Exterior Material                   | Color Coating Cold Plate Steel                                                                                              |
| Interior Material                   | Stainless Steel                                                                                                             |
| Door Thickness                      | 100mm                                                                                                                       |
| Cabinet Thickness                   | 140mm                                                                                                                       |
| Inner Door                          | Double Solid Door                                                                                                           |
| Condenser Type                      | Finned and Forced-Air Cooled                                                                                                |
| Fan Brand                           | EBM                                                                                                                         |
| Back Up Battery For Alarm Functions | Support high/low temperature, power failure, sensor failure, high ambient temperature, hot condenser and low battery alarms |
| USB                                 | Optional                                                                                                                    |

PERFORMANCE

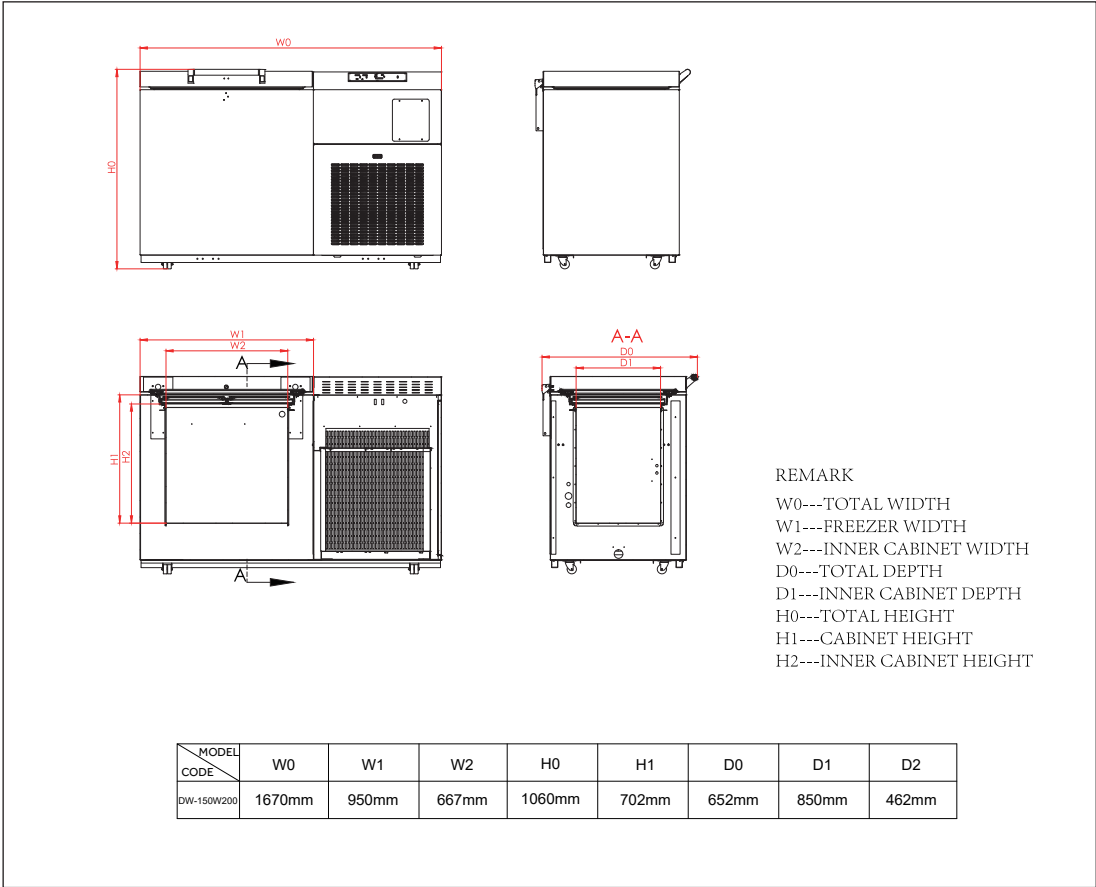
|                                                                   |                                    |
|-------------------------------------------------------------------|------------------------------------|
| Temperature Uniformity(℃)                                         | +11.7/+1                           |
| Temperature Accuracy(℃)                                           | 1                                  |
| Cool Down Time (25℃ ambient to -140℃) mins                        | Pull Down Times 25 To -140;330min  |
| Warm Up Time (25℃ ambient -80℃ to -50℃) mins                      | Warm Up Times -140 To -100;150 min |
| 1 Min Door Open Recovery Time (ambient 25℃ running temp -75℃)mins |                                    |

CERTIFICATE

TYPICAL PERFORMANCE CHARACTERISTICS IN 25 °C AMBIENT

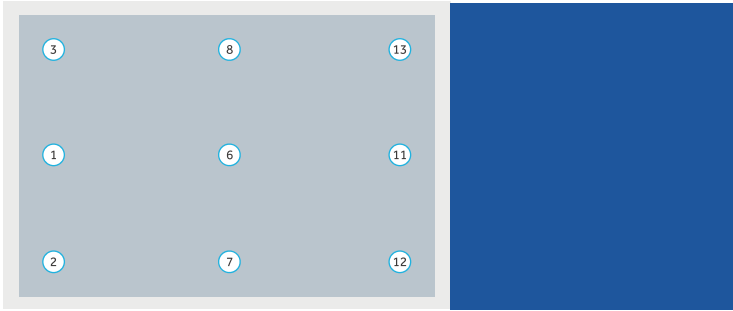


PRODUCT DIMENSION DRAWINGS



TYPICAL CABINET TEMPERATURE MAP

Top view of shelves



Left view of shelves

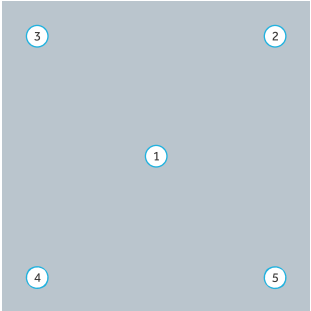


Table with 11 columns (°C, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10) and 4 rows (Max., Min., Avg., and an unlabeled row).

Table with 6 columns (°C, 11, 12, 13, 14, 15) and 4 rows (Max., Min., Avg., and an unlabeled row).

\*Typical freezer data based on internal testing.



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