

# -86°C ULT Freezer

— DW-86W100J



## Product Application

Suitable for specialized medical institutes, scientific research institutes and biological production enterprises to store research reagents, restriction enzymes, DNA modifying enzymes, genes, organs and tissues as key examples.

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## Product Advantages



### Temperature Control

Microprocessor control, digital temperature display. The adjustable precision is 1 ° C. And the temperature in the unit is adjustable from -40°C to 86°C.



### Security System

- Multiple fault alarms: High/Low temperature, sensor error, door ajar, condenser dirty, high ambient temperature & power failure alarms.
- Two types of alarms: Audible buzzer alarm & flashing light alarm.
- Multiple protection: Password protection & start-up delay protection.



### Refrigeration System

- HC refrigeration system, energy consumption is reduced by more than 30%, which reduces the user's sample storage costs.
- Optimized cascade refrigeration technology, coupled with advanced compressors, enhancing refrigeration capacity.
- High density insulation layer, superior insulation effect.
- Unique heat insulation system design, effectively eliminates frosting.



## Specifications

DW-86W100J

| DW-86W100J      |                            |                |                |                      |                               |                      |          |     |
|-----------------|----------------------------|----------------|----------------|----------------------|-------------------------------|----------------------|----------|-----|
| Technical Data  | Cabinet Type               |                | Chest          | Loading Quantities   | Container load (20'/40'/40'H) |                      | 12/24/48 |     |
|                 | Climate Class              |                | N              |                      | Alarms                        | High/Low Temperature |          | Y   |
|                 | Cooling Type               |                | Direct cooling |                      |                               | Hot Condenser        |          | Y   |
|                 | Defrost Mode               |                | Manual         |                      |                               | Power Failure        |          | Y   |
|                 | Refrigerant                |                | HC             |                      |                               | High/Low Voltage     |          | N/A |
|                 | Sound level (dB(A))        |                | 49             |                      |                               | Sensor Error         |          | Y   |
| Performance     | Cooling Performance (°C)   |                | -86            | Accessories          |                               | Low Battery          |          | Y   |
|                 | Temperature Range (°C)     |                | -40 ~ -86      |                      | High Ambient Temperature      |                      | Y        |     |
| Control         | Controller                 |                | Microprocessor |                      | Door Ajar                     |                      | Y        |     |
|                 | Display                    |                | LED            |                      | Caster                        |                      | Y        |     |
| Electrical Data | Power Supply (V/Hz)        |                | 220 ~ 240/50   |                      | Foot                          |                      | Y        |     |
|                 | Power (W)                  |                | 550            |                      | Porthole                      |                      | Y/1      |     |
|                 | Electrical Current (A)     |                | 4              | Shelves/Inner doors  |                               | -/1                  |          |     |
| Construction    | Capacity (L/Cu.Ft)         |                | 100/3.5        | USB Interface        |                               | Y                    |          |     |
|                 | Net/Gross Weight (approx)  | kg             | 138/160        | Remote Alarm         |                               | Y                    |          |     |
|                 |                            | lbs            | 304.2/352.7    | Temperature Recorder |                               | Optional             |          |     |
|                 | Interior Dimension (W*D*H) | mm             | 470*450*480    | Rs232/485 Interface  |                               | Optional             |          |     |
|                 |                            | in             | 18.5*17.7*18.9 | CO2 Backup System    |                               | Optional             |          |     |
|                 | Exterior Dimension (W*D*H) | mm             | 769*825*1120   | LN2 Backup System    |                               | Optional             |          |     |
|                 |                            | in             | 30.3*32.5*44.1 | Certification        |                               | CE                   |          |     |
|                 | Packing Dimension (W*D*H)  | mm             | 845*855*1250   |                      |                               | Y                    |          |     |
| in              |                            | 33.3*33.7*49.2 |                |                      |                               |                      |          |     |