

## -86°C Freezer



BDF-86V168T



BDF-86V348T

### Technical Parameters

| Model                                                            | BDF-86V168T                                                                                                         | BDF-86V348T                                                                                                         |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Capacity                                                         | 168L                                                                                                                | 348L                                                                                                                |
| Temp. Range                                                      | -40~-86°C                                                                                                           |                                                                                                                     |
| Temp. Accuracy                                                   | 0.1°C                                                                                                               |                                                                                                                     |
| Temp. Uniformity                                                 | ±4°C                                                                                                                |                                                                                                                     |
| Temp. Stability                                                  | ≤6°C                                                                                                                |                                                                                                                     |
| Recovery Time<br>(Recover to -75°C in an ambient temp. of 25°C)  | ≤30min                                                                                                              |                                                                                                                     |
| Cooling Time<br>(Cool down to -80°C in an ambient temp. of 25°C) | ≤7h                                                                                                                 |                                                                                                                     |
| Control System                                                   | Microprocessor control                                                                                              |                                                                                                                     |
| Display                                                          | LCD                                                                                                                 |                                                                                                                     |
| Alarm                                                            | High/low temperature alarm, power failure alarm(72h), controller failure alarm, door ajar alarm                     |                                                                                                                     |
| Refrigeration Type                                               | Direct-cooling                                                                                                      |                                                                                                                     |
| Refrigerant                                                      | R290/R170, 183g                                                                                                     | R290/R170, 308g                                                                                                     |
| Compressor                                                       | International famous brand compressor/2                                                                             |                                                                                                                     |
| Condenser & Evaporator                                           | Built-in coil type, copper pipe, copper tube and aluminum fin                                                       |                                                                                                                     |
| Defrost                                                          | Manual defrost                                                                                                      |                                                                                                                     |
| Construction                                                     | Polyurethane cyclopentane foam                                                                                      |                                                                                                                     |
| Material                                                         | Internal Material: SUS304 stainless steel<br>External Material: Sprayed steel plate                                 |                                                                                                                     |
| Door                                                             | Outer door: cyclopentane monomer foam door*1<br>Inner door: cyclopentane monolithic foaming, stainless steel door*3 | Outer door: cyclopentane monomer foam door*1<br>Inner door: cyclopentane monolithic foaming, stainless steel door*2 |
| Noise                                                            | 53dB(A)                                                                                                             |                                                                                                                     |
| Consumption                                                      | 830W<br>Apparent power: 1386VA                                                                                      | 915W<br>Apparent power: 1386VA                                                                                      |
| Power Supply                                                     | AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)                                                                   |                                                                                                                     |
| Casters                                                          | Yes                                                                                                                 |                                                                                                                     |
| Shelf                                                            | 2                                                                                                                   | 3                                                                                                                   |
| Standard Accessory                                               | Test port*2, USB interface, RS485 interface                                                                         |                                                                                                                     |
| Optional Accessory                                               | Liquid nitrogen backup system, temperature recorder                                                                 |                                                                                                                     |
| Internal Size(W*D*H)                                             | 465*455*820mm                                                                                                       | 490*612*1150mm                                                                                                      |
| External Size(W*D*H)                                             | 844*807*1594mm                                                                                                      | 869*989*1924mm                                                                                                      |
| Package Size(W*D*H)                                              | 1000*970*1790mm                                                                                                     | 1020*1180*2130mm                                                                                                    |
| Net Weight                                                       | 196kg                                                                                                               | 264kg                                                                                                               |
| Gross Weight                                                     | 253kg                                                                                                               | 332kg                                                                                                               |

## -86°C Freezer



BDF-86V418T



BDF-86V608T

### Technical Parameters

| Model                                                            | BDF-86V418T                                                                                                         | BDF-86V608T                     |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Capacity                                                         | 418L                                                                                                                | 608L                            |
| Temp. Range                                                      | -40~-86°C                                                                                                           |                                 |
| Temp. Accuracy                                                   | 0.1°C                                                                                                               |                                 |
| Temp. Uniformity                                                 | ±4°C                                                                                                                |                                 |
| Temp. Stability                                                  | ≤6°C                                                                                                                |                                 |
| Recovery Time<br>(Recover to -75°C in an ambient temp. of 25°C)  | ≤45min                                                                                                              |                                 |
| Cooling Time<br>(Cool down to -80°C in an ambient temp. of 25°C) | ≤7h                                                                                                                 |                                 |
| Control System                                                   | Microprocessor control                                                                                              |                                 |
| Display                                                          | LCD                                                                                                                 |                                 |
| Alarm                                                            | High/low temperature alarm, power failure alarm(72h), controller failure alarm, door ajar alarm                     |                                 |
| Refrigeration Type                                               | Direct-cooling                                                                                                      |                                 |
| Refrigerant                                                      | R290/R170, 340g                                                                                                     | R290/R170, 358g                 |
| Compressor                                                       | International famous brand compressor/2                                                                             |                                 |
| Condenser & Evaporator                                           | Built-in coil type, copper pipe, copper tube and aluminum fin                                                       |                                 |
| Defrost                                                          | Manual defrost                                                                                                      |                                 |
| Construction                                                     | Polyurethane cyclopentane foam                                                                                      |                                 |
| Material                                                         | Internal Material: SUS304 stainless steel<br>External Material: Sprayed steel plate                                 |                                 |
| Door                                                             | Outer door: cyclopentane monomer foam door*1<br>Inner door: cyclopentane monolithic foaming, stainless steel door*2 |                                 |
| Noise                                                            | 53dB(A)                                                                                                             |                                 |
| Consumption                                                      | 1070W<br>Apparent power: 1870VA                                                                                     | 1110W<br>Apparent power: 1870VA |
| Power Supply                                                     | AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)                                                                   |                                 |
| Casters                                                          | Yes                                                                                                                 |                                 |
| Shelf                                                            | 3                                                                                                                   |                                 |
| Standard Accessory                                               | Test port*2, USB interface, RS485 interface                                                                         |                                 |
| Optional Accessory                                               | Liquid nitrogen backup system, temperature recorder                                                                 |                                 |
| Internal Size(W*D*H)                                             | 600*612*1150mm                                                                                                      | 620*755*1280mm                  |
| External Size(W*D*H)                                             | 980*988*1945mm                                                                                                      | 1000*1147*1996mm                |
| Package Size(W*D*H)                                              | 1130*1170*2150mm                                                                                                    | 1150*1280*2210mm                |
| Net Weight                                                       | 315kg                                                                                                               | 360kg                           |
| Gross Weight                                                     | 390kg                                                                                                               | 438kg                           |