



# -40°C Chest Freezer LCF-B1 Series

### **-40°C Chest Freezer LCF-B10**

-40°C Chest Freezer LCF-B10 is a 150 L capacity comprised ultra-low temperature freezer, comes with -40°C of cooling performance and direct cooling method. Features microprocessor control and platinum resistor temperature sensors for -20 to -40°C of temperature control range. Equipped with branded compressor, EBM fan and large-finned compressor, has manual defrost mode and R290 as refrigerant. Designed with spray cold rolled steel plate exterior and stainless-steel interior, has two-layer heat insulating foamed door with airbag-typed outer seal and rotating handle. Equipped with digital display, advanced alarm system and 110 mm insulation thickness, supports multiple protection functions to avoid arbitrary adjustment of operation parameters.

### **-40°C Chest Freezer LCF-B11**

-40°C Chest Freezer LCF-B11 is a 270 L capacity comprised ultra-low temperature freezer, comes with -40°C of cooling performance and direct cooling method. Features microprocessor control and platinum resistor temperature sensors for -20 to -40°C of temperature control range. Equipped with branded compressor, EBM fan and large-finned compressor, has manual defrost mode and R290 as refrigerant. Designed with spray cold rolled steel plate exterior and stainless-steel interior, has two-layer heat insulating foamed door with airbag-typed outer seal and rotating handle. Equipped with digital display, advanced alarm system and 110 mm insulation thickness, supports multiple protection functions to avoid arbitrary adjustment of operation parameters.

### **-40°C Chest Freezer LCF-B12**

-40°C Chest Freezer LCF-B12 is a 360 L capacity comprised ultra-low temperature freezer, comes with -40°C of cooling performance and direct cooling method. Features microprocessor control and platinum resistor temperature sensors for -20 to -40°C of temperature control range. Equipped with branded compressor, EBM fan and large-finned compressor, has manual defrost mode and R290 as refrigerant. Designed with spray cold rolled steel plate exterior and stainless-steel interior, has two-layer heat insulating foamed door with airbag-typed outer seal and rotating handle. Equipped with digital display, advanced alarm system and 110 mm insulation thickness, supports multiple protection functions to avoid arbitrary adjustment of operation parameters.

## Features

- ❑ Large capacity comprised ultra-low temperature freezer, high-quality refrigeration system
- ❑ -40°C of cooling performance and direct cooling method, fast and uniform cooling
- ❑ Microprocessor control and platinum resistor temperature sensors, high-precision control
- ❑ -20 to -40°C of temperature control range, adjustable temperature range as per requirement
- ❑ Branded compressor, EBM fan and large-finned compressor, high-efficient refrigeration
- ❑ Manual defrost mode and R290 as refrigerant, energy efficient and environment friendly
- ❑ Spray cold rolled steel plate exterior and stainless-steel interior, low maintenance
- ❑ Two-layer heat insulating foamed door with airbag-typed outer seal and rotating handle
- ❑ Digital display, convenient setting and monitoring of different parameters
- ❑ Advanced alarm system, ensures safe and reliable operation with stable performance
- ❑ Multiple protection functions to avoid arbitrary adjustment of operation parameters
- ❑ High-efficient, stable and reliable unit with high-performance vacuum insulation material

## Application

-40°C Chest Freezer is used for scientific research, cryogenic test on special materials, low temperature resistance test on biological materials, vaccines, biological products and military products etc. across research institutions, the electronic industry, the chemical industry, hospitals, the health & disease prevention system, laboratories in colleges & universities, military enterprises, etc.

## Specifications

Model	LCF-B10	LCF-B11	LCF-B12
Cabinet type	Chest		
Capacity	150 L	270 L	360 L
Temperature Range	-20 to -40°C		
Ambient Temperature	16 to 32°C		
Cooling Performance	-40°C		
Cooling Method	Direct cooling		

## -40°C Chest Freezer LCF-B1 Series

Defrost Mode	Manual		
Refrigerant	R290		
Climate Class	N		
Controller	Microprocessor		
Display	Digital display		
Compressor	1 pc		
Alarm System	High/Low temperature, Power failure, Low battery, Sensor failure		
External Material	Spray cold rolled steel		
Internal Material	Stainless steel		
Coated Hanging Basket	1 pc		
Insulation	110 mm		
Casters	4		
Door Lock with Key	Yes		
Access Port	1 pc $\Phi$ 25 mm		
Data Logging/ Interval/ Recording Time	USB/Record every 10 minute / 2 years		
Backup Battery	Yes		
Protection Function	Turn-on delay and stopping interval protection function, Keyboard lock function and Password protection function		
Power Supply	220 to 240 V, 50 Hz		
Rated Current	1.02 A	1.8 A	1.85 A
Internal Dimension (WxDxH)	585x465x651 mm	1019x465x651 mm	1308x465x651 mm
External Dimension (WxDxH)	811x775x929 mm	1245x775x929 mm	1534x775x929 mm
Packaging Dimension (WxDxH)	905x810x975 mm	1332x810x975 mm	1635x812x975 mm
Net Weight	60 kg	77 kg	98 kg
Gross Weight	67 kg	85 kg	106 kg