



-86°C ULTRA LOW TEMPERATURE CHEST FREEZERS LD-LCF-D1 SERIES

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-86°C Ultra Low Temperature Chest Freezers LD-LCF-D1 Series

-86°C Ultra Low Temperature Chest Freezer LD-LCF-D13 is an ergonomically designed ultra-low temperature chest freezer, offers 328 L of capacity and -86°C of cooling temperature. Features microprocessor control system and platinum resistor temperature sensors for -40 to -86°C of adjustable temperature range. Equipped with branded compressor and EBM fan, has unique refrigeration circulation and unipolar compressor oil-lubricated technology. Incorporated with direct cooling method and manual defrost mode, is provided with mixture gas refrigerant and 2-times foaming technology. Designed with steel plates with spraying exterior and stainless-steel interior, has digital display, and advanced alarm system. With keyboard lock and password protection to prevent unauthorized access, also supports delayed start and safe stop interval along with USB temperature recorder and back-up battery.

Features

- An ergonomically designed ultra-low temperature chest freezer, convenient operation
- -86°C of cooling temperature, stable performance with targeted refrigeration
- Microprocessor control system and platinum resistor temperature sensors
- -40 to -86°C of adjustable temperature range with precise temperature control
- Branded compressor and EBM fan, efficient operation with low noise
- Unique refrigeration circulation and unipolar compressor oil-lubricated technology
- Direct cooling method and manual defrost mode, uniform and stable operation
- Mixture gas refrigerant and 2-times foaming technology, environment-friendly
- Steel plates with spraying exterior and stainless-steel interior, low maintenance
- Digital display with keyboard lock and password protection, safe and secure operation
- Advanced alarm system and delayed start and safe stop interval, reliable operation
- Supports USB temperature recorder and back-up battery, facilitate temperature recording
- High-efficient, stable and reliable unit with high-efficient refrigeration system

Applications

-86 °C chest type ultra-low temperature freezer is suitable to be used for medical, clinical, food industries, blood banks, research university.

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Specifications

Model No.	LD-LCF-D13
Cabinet Type	Chest
Capacity	328 L
Temperature Range	-40 to -86°C
Ambient Temperature	16 to 32°C
Cooling Performance	-86°C
Cooling Method	Direct Cooling
Defrost Mode	Manual
Refrigerant	Mixture Gas
Climate Class	N
Controller	Microprocessor
Display	Digital Display
Compressor	1 pc
Alarm System	High/Low temperature, High ambient temperature, Power failure, Low battery, Sensor failure, Condenser overheating alarm, Built-in datalogger USB failure, Main board communication error
External Material	Steel plates with Spraying
Internal Material	Stainless-steel
Insulation	152 mm
Casters	6
Door Lock with Key	Yes
Access Port	1 pc Φ 40 mm
Data Logging/Interval/Recording Time	USB/Record every 10 minute / 2 years

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Backup Battery	Yes
Protection Function	Delayed start and safe stop interval protection, keyboard lock and password protection
Power Supply	220 to 240 V, 50 Hz
Rated Current	5.6 A
Internal Dimension (W×D×H)	1200×470×570 mm
External Dimension (W×D×H)	2030×890×1020 mm
Packaging Dimension (W×D×H)	2193×1003×1256 mm
Net Weight	280 kg
Gross Weight	328 kg

Standard Accessories:

- RS485
- Remote alarm contact

Optional Accessories:

- Chart Recorder
- CO2 Backup System
- Printer