

-40°C UPRIGHT FREEZER LUF-B31



-40°C Upright Freezer LUF-B31 is a microprocessor controlled 1008 L capacity ultra-low temperature upright type freezer. With R290 freon-free refrigerant, EBM fan and large finned condenser, features direct cooling method with temperature range of -20 to -40°C and manual defrost. Ergonomic design with high quality steel plates with spray housing, galvanized steel sheet interior with 3 stainless steel shelves, and 2-layer heat insulating foamed door with airbag type outer seal and lock system, offers 130 mm insulation thickness. Incorporated with platinum resistor temperature sensors, digital display and advanced alarm system, has 3 access port and casters. With start-up delay and stop interval protection function, keyboard lock and password protection, and safety door lock design, it has backup battery along with remote alarm contact and RS485 interface.

Features

- ❑ A microprocessor controlled 1008 L capacity ultra-low temperature upright type freezer
- ❑ R290 freon-free refrigerant, energy-saving and environmentally friendly
- ❑ EBM fan, low noise level and excellent efficiency with high performance
- ❑ Large finned condenser, large area for heat dissipation to ensure uniform conditions
- ❑ Direct cooling method with temperature range of -20 to -40°C and manual defrost
- ❑ High quality steel plates with spray housing, long service life
- ❑ Galvanized steel sheet interior, corrosion resistant and easy-to-clean
- ❑ 3 stainless steel shelves, convenient and efficient storage
- ❑ 2-layer heat insulating foamed door with airbag type outer seal and lock system
- ❑ Platinum resistor temperature sensors, precise temperature control
- ❑ Digital display, convenient setting and monitoring of different parameters
- ❑ Advanced alarm system, ensures reliable and secure operation
- ❑ Start-up delay and stop interval protection function, ensure reliable operation
- ❑ Keyboard lock and password protection, prevent unauthorised adjustment
- ❑ Safety door lock design, secure sample storage
- ❑ Backup battery, remote alarm contact and RS485 interface
- ❑ 3 Access port, allow insertion of different probes

- ❑ 4 Casters with 2 levelling feet, for easy movement
- ❑ Provides efficient storage under targeted refrigeration

Application

The -40°C Upright Freezers are used for scientific research, cryogenic test, blood plasma cryopreservation, low temperature resistance across the research institutes, electronic industry, chemical industry, hospitals, health & disease prevention system, colleges & universities, military enterprises, etc.

Specifications

Model	LUF-B31
Cabinet Type	Upright
Capacity	1008 L
Temperature Range	-20° to -40°C
Ambient Temperature	16° to 32°C
Cooling Method	Direct cooling
Defrost Mode	Manual
Refrigerant	R290
Climate Class	N
Controller	Microprocessor
Display	Digital display
Compressor	2 pcs
Alarm System	High/Low temperature, High ambient temperature, Power failure, Low battery Sensor failure, Condenser overheating alarm, Door ajar, System failure, Main board communication error, Built-in datalogger, USB failure
External Material	High Quality Steel plates with spraying
Internal Material	Galvanized steel sheet
Insulation thickness	130 mm

Shelves	3 (stainless steel)
Casters	4 (2 leveling feet)
Door lock with Key	Yes
External Lock	Yes
Keypad Lock	Keypad lock with password protection
Access Port	3 pcs. Ø 25 mm
Data Logging/Interval/Recording Time	USB/Record every 10 minute / 2 years
Backup Battery	Yes
Interface	RS485
Power Supply	220 to 240 V 50 Hz
Power	650 W
Power Consumption	8.99 KWh/24hr
Rated Current	8.5 A
Internal Dimension (W×D×H)	1022×696×1378 mm
External Dimension (W×D×H)	1362×1025×2002 mm
Packaging Dimension (W×D×H)	1473×1155×2176 mm
Net Weight	320 kg
Gross Weight	440 kg

Optional Accessories

Accessories no.	Name
1	Printer
2	Chart Recorder