



***-40°C UPRIGHT FREEZER
LUF-B23***

-40°C Upright Freezer LUF-B23

-40°C Upright Freezer LUF-B23 is an upright type ultra-low temperature freezer with 528 L of capacity. Incorporated with high-quality steel plate structure with phosphate coating, galvanized steel liner and low noise. It offers the temperature range of -20° to -40°C, -40°C cooling temperature with ambient temperature of 16° to 32°C. Featuring advanced combination of redundant cooling systems, intuitive electronic controls, ergonomic cabinet design along with door mounted digital display with USB port. Designed with direct cooling system and manual defrost mode, equipped with eco- friendly refrigerant R507, Built-in high-precision microcomputer temperature control system and platinum resistor temperature sensors.

FEATURES

- Upright type, Exterior and inside body all made from stainless steel
- High-precision microcomputer temperature computer system
- Temperature ranges from -20 to -40°C
- Platinum resistor temperature sensors
- Powerful and energy saving compressor EBM fan
- Large area finned condenser with direct cooling method and Freon-free refrigerant
- Two layer heat insulating foamed door; Airbag typed outer seal with multiple patents
- Alarm system: High/low temperature, power failure, open door, condenser cooling failure, alarm system failure, main board communication error, high ambient temperature
- Startup delay and stop interval protection
- Safety door lock, handle lock and keypad lock with password protection
- Corrosion resistant with low-temperature tolerant
- Easy to clean, energy efficient with long service life and stability
- The rotating handle facilitates door opening
- Lockable caster for easy mobility

APPLICATIONS

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.

SPECIFICATION

<u>Model</u>	<u>-40°C Upright Freezer LUF-B23</u>
Cabinet Type	Upright
Capacity	528 L
Temperature Range	-20° to -40°C
Ambient Temperature	16° to 32°C
Cooling Performance	-40°C
Cooling Method	Direct cooling
Defrost Mode	Manual
Refrigerant	R507
Climate Class	N
Controller	Microprocessor
Display	Digital display
Compressor	1 pc
Alarm System	High/low temperature, power failure, open door, condenser cooling failure, alarm system failure, main board communication error, high ambient temperature
External Material	High Quality Steel plates with spraying
Internal Material	Galvanized steel sheet
Insulation thickness	130 mm
Shelves	3
Casters	4 (2 leveling feet)
Door lock with Key	Yes
External Lock	Yes
Keypad Lock	Keypad lock with password protection
Access Port	2pcs. Ø 25 mm
Data Logging / Interval / Recording Time	USB/Record every 10 minute / 2 years
Backup Battery	Yes
Power Supply	220 V 50 Hz
Input Power	580 W

Rated Power	470 W
Power Consumption	4.67 KWh/24hr
Rated Current	2.66 A
Internal Dimension (W×D×H)	585×696×1266 mm
External Dimension (W×D×H)	930×1041×1947 mm
Packaging Dimension (W×D×H)	1035×1165×2145 mm
Net Weight	234 kg
Gross Weight	272 kg

OPTIONAL ACCESSORIES

Accessories Number	Accessories Name
1	RS485
2	RS232
3	Printer
4	Chart recorder
5	Remote alarm contact