



-40°C Upright Freezer LUF-B20

40°C Upright Freezer LUF-B20 is designed with two chambers and compressors, offers direct cooling method and manual defrost mode. Features 450 L capacity and -40°C of cooling performance with microprocessor-controlled system for -20 to -40°C of temperature range. Designed with powder coated material exterior and sprayed aluminum plate interior, has R290 refrigerant, CFC-free polyurethane foam technology and thick insulation of 80 mm. Equipped with digital display, advanced alarm system and backup battery, is provided with 6 shelves for each chamber along with RS485 interface and remote alarm contact.

FEATURES

- Two chambers with independent compressors, precise and separate temperature control
- Direct cooling method and manual defrost mode, efficient and stable operation
- 450 L capacity with -40°C of cooling performance, constant and even temperature
- Microprocessor-controlled system with -20 to -40°C of temperature range
- Powder coated material exterior and sprayed aluminum plate interior, low maintenance
- R290 refrigerant, efficient and environment friendly Freon-free refrigerant
- CFC-free polyurethane foam technology and thick insulation of 80 mm
- Digital display, convenient observation and setting of operative parameters
- Advanced alarm system, ensures safe and reliable storage operation
- 6 shelves for each chamber, efficient and organized sample storage
- Supports RS485 interface and remote alarm contact, stable and reliable operation

APPLICATION

-40°C Upright 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.

SPECIFICATION

MODEL	LUF-B20
Cabinet Type	Upright
Capacity	450 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	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, USB data-log failure, communication error, Door ajar
External Material	Powder coated material
Internal Material	Aluminum plate with spraying
Insulation thickness	80 mm
Shelves	6×2 (ABS)
Casters	4 (2 caster with brake)
Door	2
Door lock with Key	Yes
Access Port	2 pcs. Ø 25 mm
Data Logging/Interval/Recording Time	USB/Record every 10 minute / 2 years
Backup Battery	Yes
Power Supply	220 to 240 V 50 Hz

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Rated Current	4.5 A
Internal Dimension (W×D×H)	650×570×627 mm (×2)
External Dimension (W×D×H)	810×735×1960 mm
Packaging Dimension (W×D×H)	895×820×2127 mm
Net Weight	144 kg
Gross Weight	156 kg

STANDARD ACCESSORIES

Accessories No.	Accessories Name
1	Rs485
2	Remote alarm contact