



-40 ° C Upright Freezer LUF-B11

-40°C Upright Freezer LUF-B11 is a direct cooling comprised microprocessor controlled upright type unit, offers 439 L of capacity with -40°C of cooling performance and -20 to -40°C of temperature control range. Designed with powder coated material housing and stainless-steel interior with 7 adjustable shelves. With manual defrost mode and R507 refrigerant, features high-efficient EBM fan and compressor along with standard RS485 interface and remote alarm contact. Equipped with digital display and built-in advanced alarm system, has external door handle and padlock to prevent unauthorized access.

Features

- ❑ A direct cooling comprised microprocessor controlled upright type unit
- ❑ 439 L of capacity with -40°C of cooling performance, targeted refrigeration
- ❑ -20 to -40°C of temperature control range, ultra-low temperature freezer
- ❑ Powder coated material housing and stainless-steel interior, easy maintenance
- ❑ 7 adjustable shelves, efficient and organized storage of different samples
- ❑ Manual defrost mode and R507 refrigerant, efficient and environment-friendly
- ❑ High-efficient EBM fan and compressor, stable operation with low noise
- ❑ Standard RS485 interface and remote alarm contact, facilitate operation
- ❑ Digital display with 0.1°C display precision, convenient setting and observation
- ❑ Built-in advanced alarm system, ensure safe and stable operation
- ❑ External door handle and padlock to prevent unauthorized access
- ❑ Anti-corrosive ultra-low freezer with strong cooling features and 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.

Specifications

Model	LUF-B11
Cabinet Type	Upright
Capacity	439 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, High ambient temperature, Power failure, Low battery, Sensor failure, USB data-log failure, communication error, Door ajar
External Material	Powder coated material
Internal Material	Stainless steel
Insulation thickness	100 mm
Shelves	7 (ABS)
Casters	4 (2 caster with brake)
Door lock with Key	Yes
External Lock	Yes
Access Port	1 pc. 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
Rated Current	3.7 A
Internal Dimension (W×D×H)	650×547×1305 mm
External Dimension (W×D×H)	910×755×1945 mm
Packaging Dimension (W×D×H)	990×855×2070 mm
Net Weight	175 kg
Gross Weight	200 kg

Optional Accessories

Accessories no.	Name
1	RS485
2	Remote alarm contact