

labodam



-40°C Upright Freezers

LUF-B24

www.labodam.com // info@labodam.com

-40°C Upright Freezers LUF-B24 is an upright type freezer comes with 678 L capacity and offers temperature range -20 to -40°C and -40°C cooling performance. Features with microprocessor controlled system with interior digital temperature display to show various parameters simultaneously. 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. It offers high or low temperature alarm, Door open alarm and Keyboard lock, password protection function to prevent arbitrary adjustment of operating parameters.

Features :

- ❑ Designed with high-precision microcomputer temperature control system and platinum resistor temperature sensors ensure more precise temperature control
- ❑ Temperature ranges from -20 to -40°C
- ❑ EBM fan are powerful, energy-saving and highly efficient
- ❑ Six sides of the cabinet are made from high-performance vacuum insulation material, improving thermal insulation performance to a large extent
- ❑ The rotating handle facilitates door opening
- ❑ Lockable caster for easy mobility
- ❑ Two-layer heat insulating foamed door with airbag-typed outer seal and the insulation
- ❑ Forced air circulation system
- ❑ Highly effective condenser and expansive evaporator to provide quick freezing
- ❑ Upright type, Exterior and inside body all made from stainless steel
- ❑ Design with safety door lock, ensure sample storage is more secure

Application :

Upright Freezers is used in scientific research, cryogenic test on special materials, blood plasma cryopreservation, low temperature resistance test on biological materials, vaccines, biological products and military products, etc. and Suitable for use in research institutions, the electronic industry, the chemical industry, hospitals, the health & disease prevention system, laboratories in colleges & universities, military enterprises, etc.

Specifications:

Model	LUF-B24
Cabinet type	Upright
Capacity	678 L
Temperature range	-20 to -40°C
Ambient temperature	16 to 32°C
Cooling performance	-40°C
Refrigerant	R507
Defrost Mode	Manual
Cooling method	Direct cooling
Controller	Microprocessor
Display	Digital display
Climate class	N
Insulation thickness	130 mm
Compressor	2 pcs
Alarm system	High and low temperature, high ambient temperature
External material	High Quality Steel plates with spraying
Inner material	Galvanized steel sheet
Shelves	3 (stainless steel)
Door lock with key	Yes
External Lock	Yes
Access Port	2pcs. Φ 25 mm
Casters	4 (2 leveling feet)
Data Logging / Interval/ Recording Time	USB/ Record every 10 minute / 2 years
Electrical	Power failure, Low battery

System	Sensor error, Condenser cooling failure, Door ajar System failure, Main board communication error, Built-in data logger USB failure
Backup Battery	Yes
Rated power	1030 W
Input power	1060 W
Rated current	4.85 A
Power consumption	10.5 kWh/24h
Power supply	220 V /50 Hz
Internal dimension	750× 696 ×1286 mm
External dimension	1090 × 1000 × 1965 mm
Package size	1165 × 1150 × 2094 mm
Net weight	258 kg
Gross weight	299 kg

Optional Accessories:

Accessories no.	Name
1	Chart recorder
2	Extra Shelf