



-86 °C Ultra Low Temperature Upright Freezer LUF-C30

-86 °C Ultra Low Temperature Upright Freezer LUF-C30 is an upright type freezer comes with 218 L capacity and offers temperature range -40 to -86°C and -86°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 Mixture gas, 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

- ❑ High-precision microcomputer temperature control system and platinum resistor temperature sensors
- ❑ Temperature ranges from -40 to -86°C with precise temperature control
- ❑ Forced air circulation system with powerful EBM fan, energy-saving and highly efficient
- ❑ High-performance vacuum insulation material, improved thermal insulation performance
- ❑ Two-layer heat insulating foamed door with airbag-typed outer seal and rotating handle
- ❑ Universal wheels easy for movement and fixation
- ❑ 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
- ❑ The perfect audible & visual alarm system high/low temperature, sensor failure, door open, and power failure etc.

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-C30
Cabinet type	Upright
Capacity	218 L
Temperature range	-40 to -86°C
Ambient temperature	16 to 32°C
Cooling performance	-86°C
Refrigerant	Mixture gas
Defrost Mode	Manual
Cooling method	Direct cooling
Controller	Microprocessor
Display	Digital display
Climate class	N
Insulation thickness	155 mm
Compressor	1 pc.
Alarm system	High and low temperature, high ambient temperature, Power failure, Low battery, Sensor failure, Condenser overheating, Door ajar, Built-in datalogger USB failure, Main board communication error
External material	Steel plates with spraying
Inner material	Galvanized steel sheet
Shelves	1 (stainless steel)
Door lock with key	Yes
External Lock	Yes
Access Port	1pcs
Casters	4

Data Logging / Interval/ Recording Time	USB/Record every 10 minute / 2 years
Backup Battery	Yes
Rated power	1200 W
Input power	1300 W
Rated current	5.96 A
Power consumption	8.63 kWh/24 h
Power supply	220 to 240 V /50 Hz
Internal dimension(W×D×H)	470 × 580 × 767 mm
External dimension(W×D×H)	862 × 976 × 1555 mm
Package dimension (W×D×H)	983 × 1073 × 1741 mm
Net weight	218 kg
Gross weight	272 kg

Standard Accessories

Accessories no.	Name
1	RS485
2	Remote alarm contact

Optional Accessories

Accessories no.	Name
1	Chart recorder
2	CO ₂ backup system
3	Printer