



-86 °C Ultra Low Temperature Upright Freezer LUF-C13 and LUF-C14

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-86 °C Ultra Low Temperature Upright Freezer LUF-C13

-86 °C Ultra Low Temperature Upright Freezer LUF-D25 is an upright type freezer comes with 778 L capacity and offers temperature range -40 to -86°C and -86°C cooling performance. Features with microprocessor controlled system with interior 7 inches LED touch Screen 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.

-86 °C Ultra Low Temperature Upright Freezer LUF-C14

-86 °C Ultra Low Temperature Upright Freezer LUF-D26 is an upright type freezer comes with 858 L capacity and offers temperature range -40 to -86°C and -86°C cooling performance. Features with microprocessor controlled system with interior 7 inches LED touch Screen 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 :

- ❑ Adopts 7 inches LED touch screen display control system
- ❑ Inventory racks/boxes for cryopreservation are optional
- ❑ Designed with high-precision microcomputer temperature control system and platinum resistor temperature sensors ensure more precise temperature control
- ❑ Temperature ranges from -40 to -86°C
- ❑ EBM fan are powerful, energy-saving and highly efficient
- ❑ The rotating handle facilitates door opening

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- ❑ Universal wheels easy for movement and fixation
- ❑ 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
- ❑ 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-C13	LUF-C14
Cabinet type	Upright	Upright
Capacity	778 L	858 L
Temperature range	-40 to -86°C	-40 to -86°C
Ambient temperature	16 to 32°C	16 to 32°C
Cooling performance	-86°C	-86°C
Refrigerant	Mixture gas	Mixture gas
Defrost Mode	Manual	Manual
Cooling method	Direct cooling	Direct cooling
Controller	Microprocessor	Microprocessor
Display	Touch screen	Touch screen

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Climate class	N	N
Insulation thickness	130 mm	130 mm
Compressor	2 pcs	2 pcs
Alarm system	High and low temperature, high ambient temperature	High and low temperature, high ambient temperature
External material	High quality steel plates with spraying	High quality steel plates with spraying
Inner material	Galvanized steel sheet	Galvanized steel sheet
Shelves	3 (stainless steel)	3 (stainless steel)
Door lock with key	Yes	Yes
External Lock	Yes	Yes
Access Port	3 pcs. Φ 25 mm	3 pcs. Φ 25 mm
Casters	4 +(2 leveling feet)	4 +(2 leveling feet)
Data Logging / Interval/ Recording Time	USB/Record every 1 minute / 365 days	USB/Record every 1 minute / 365 days
Electrical	Power failure	Power failure, Low battery
System	Sensor error, Built-in data logger USB failure , Main board communication error, Condenser cooling failure, Door ajar, Samples out of date, System failure	Sensor error, Built-in data logger USB failure ,Main board communication error , System failure, Condenser cooling failure ,Door ajar, Samples out of date
Backup Battery	Yes	Yes
Rated power	1750 W	1900 W
Input power	2050 W	2380 W
Rated current	9. 31 A	10.86 A
Power consumption	15 KWh/24h	16.5 KWh/24h
Power supply	230 \pm 10% V /50 Hz	230 \pm 10% V /50 Hz

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Internal dimension	865 × 696 × 1286 mm	877 × 696 × 1378 mm
External dimension	1205 × 1025 × 1955 mm	1217 × 1025 × 2005 mm
Package size	1203 × 1155 × 2171 mm	1330 × 1155 × 2176 mm
Net weight	365 kg	390 kg
Gross weight	408 kg	431 kg

Optional Accessories:

Accessories no.	Name
1	Chart recorder
2	CO ₂ backup system
3	Printer
4	Remote alarm contact