BioLAB

PRODUCT CATALOG

-86°C ULT FREEZER BFUR-86-307

CE ISO9001 CERTIFIED

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-86°C ULT FREEZER BFUR-86-307

-86°C ULT FREEZER TWINCOOL

Two separate cooling systems in one freezer, if one of them fails, the backup cooling system will start to work automatically.
Security and Reliable, advanced technology, standard backup system, one system can keep the freezer inside temperature at -70°C.
Accurate temperature controller, setting temperature range of -40 to -86°C
7-inch touch screen display, accuracy of 0.1 °C.
Suggested ambient temperature: +10 to 32°C.
Stainless steel inner chamber for friendly use and easy cleaning.
Brand compressor to ensure excellent stability of the cooling system.
Eco-friendly and energy-saving series with R170 & R290 green HC refrigerant and cascade cooling system.
Security

SPECIFICATIONS

Model	BFUR-86-307
Temperature Range	-40 ~ -86°C
Ambient Temperature	10~32°C
Capacity (L/Cu. Ft.)	408 / 14.41
Noise	50 dB
Cold Rack Max. Loading Capacity (pcs)	254D Rack / 8, 244D Rack / 8
2" Cold Box Max. Loading Capacity (pcs)	288
0.5~2ml Vials Max. Loading Capacity (pcs)	28,800
Controller / Display	Microprocessor / 7" Touch Screen
Sensor	PTC
Voltage and Frequency	220V±10%, 50/60Hz
Power	1350 W
Electric Current	11 A
Power Consumption (kWh/24h)	13.8
High / Low Temp. Alarm	Yes
Power Failure Alarm	Yes, 72h
Sensor Error Alarm	Yes
Controller Error Alarm	Yes
Door Ajar Alarm	Yes
Abnormal Voltage Alarm	Yes
Abnormal Ambient Temp. Alarm	Yes
Battery Error Alarm	Yes
Condenser Error / Filter Net Clean Alarm	Yes
Refrigeration Type / Defrost Type	Direct Cooling / Manual
Compressor (Brand/pcs)	SECOP / 2
Refrigerant / Weight (kgs)	R4001 / 300g
External / Internal Door (pcs)	Foamed Solid Door x 1 / Foamed Solid Door x 2
Adjustable Shelf (pcs)	3
Exterior / Interior Cabinet Material	Coated Steel / Stainless Steel
Insulation Material	PURF (≥100mm) and Vacuum Insulation Panel (VIP)
Door Lock	Yes

Test Hole (pcs)	2
Castors (pcs)	4
USB Data Download Port	Yes
Remote Alarm Port	Yes
RS485 Port	Yes
Temperature Datalogger	Optional
Temperature Printer	Optional
Temperature Chart Recorder	Optional
Protective Gloves	Optional
LN2/CO2 Backup System	Optional
Interior Dimensions (WxDxH) mm	606x575x1180
Exterior Dimensions (WxDxH) mm	891x992x1945
Packing Dimensions (WxDxH) mm	960x1030x2120
Net / Gross Weight	236 / 278 kgs
Package	Plywood box with pallet
Alt Name	-86°C ULT Freezer TwinCool

FEATURES

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Security
Safety door lock to prevent unauthorized access.
72h built-in backup battery to power the controller and save temp. data when power failure or system error.
Visual and audible alarm system: High/low temperature, sensor failure, controller error, etc.
Power failure protection: turn-on delay of the cooling system after power failure.
Controller error protection: the cooling system will remember the normal working cycle and keep working depending on this memory when the controller or two sensors failed.

Humanized design
Adjustable shelves for easy storage.
Casters with stoppers for easy moving and fixation.
Special-designed service-free drainage system.

APPLICATIONS

The -86°C ultra-low temperature freezers are designed for the long-term preservation of viruses, germs, vaccines, biological tissues and organs, special food, medicines, reagents, etc.

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