

## -86°C Freezer(Undercounter Type)



### Technical Parameters

Model	BDF-86V100
Capacity	90L
Temp. Range	-40~-86°C
Temp. Accuracy	0.1°C
Temp. Uniformity	≤5°C
Temp. Stability	≤6°C
Control System	Microprocessor control
Display	LCD touch screen
Alarm	High and low temperature alarm, condenser overheating alarm, power failure alarm, sensor fault alarm, ambient temperature alarm
Refrigeration Type	Direct-cooling
Refrigerant	Hydrocarbon mixture refrigerant
Compressor	International famous brand compressor /1
Condenser & Evaporator	Copper tube aluminum fin type condenser; copper coil type evaporator
Defrost	Manual defrost
Construction	Polyurethane foam layer + vacuum insulation board
Material	Internal Material: Galvanized steel powder spraying External Material: Galvanized steel powder spraying
Door	Outer door*1, inner door*2
Consumption	460W
Power Supply	AC 220V, 50Hz(Standard); 220V, 60Hz, 110V, 60Hz(Optional)
Casters	No
Shelf	1
Standard Accessory	Test hole, shelf, air pressure balance hole, USB
Optional Accessory	Chart temperature recorder, freezer rack and freezer box, liquid nitrogen backup system
Internal Size (W*D*H)	320*450*610mm
External Size (W*D*H)	795*680*815mm
Package Size (W*D*H)	850*740*953mm
Net Weight	92kg
Gross Weight	107kg

## -86°C Freezer



### Technical Parameters

Model	BDF-86V168	BDF-86V348
Capacity	168L	348L
Temp. Range	-40~-86°C	
Temp. Accuracy	0.1°C	
Temp. Uniformity	±4°C	
Temp. Stability	≤6°C	
Recovery Time (Recover to -75°C in an ambient temp. of 25°C)	≤15min	
Cooling Time (Cool down to -80°C in an ambient temp. of 25°C)	≤4h	
Control System	Microprocessor control	
Display	LED	
Alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(72h)	
Refrigeration Type	Direct-cooling	
Refrigerant	R600a/R1150/R14, 175g	R600a/R1150/R14, 293g
Compressor	International famous brand compressor/1	
Condenser & Evaporator	Micro channel condenser; built-in coil type, copper pipe	Built-in coil type copper pipe; copper tube and aluminum fin
Defrost	Manual defrost	
Construction	Polyurethane cyclopentane foam	
Material	Internal Material: SUS304 stainless steel External Material: Sprayed steel plate	
Door	Outer door: cyclopentane monomer foam door*1 Inner door: cyclopentane monolithic foaming, stainless steel door*3	Outer door: cyclopentane monomer foam door*1 Inner door: cyclopentane monolithic foaming, stainless steel door*2
Consumption	650W	Apparent power: 858VA
Power Supply	AC220V, 50Hz (Standard); 220V, 60Hz, 110V, 60Hz (Optional)	
Casters	Yes	
Shelf	2	3
Standard Accessory	Test port*2	
Optional Accessory	RS485 interface, USB interface, liquid nitrogen backup system, temperature recorder	
Internal Size(W*D*H)	465*455*820mm	490*612*1150mm
External Size(W*D*H)	844*807*1594mm	869*989*1924mm
Package Size(W*D*H)	1000*970*1790mm	1020*1180*2130mm
Net Weight	168kg	232kg
Gross Weight	221kg	300kg