

## -86°C Freezer



### Technical Parameters

Model	BDF-86H60	BDF-86H128
Capacity	60L	128L
Temp. Range	-40~-86°C	
Temp. Accuracy	0.1°C	
Temp. Uniformity	≤5°C	
Temp. Stability	≤6°C	
Recovery Time (Recover to -75°C in an ambient temp. of 25°C)	≤10min	
Cooling Time (Cool down to -80°C in an ambient temp. of 25°C)	≤4h	
Control System	Microprocessor control	
Display	LED display	
Alarm	High and low temperature alarm, thermostat fault alarm, power failure alarm	High and low temperature alarm, thermostat fault alarm, power failure alarm, door switch alarm
Refrigeration Type	Direct-cooling	
Refrigerant	R600a/R1150/R14, 145g	R600a/R1150/R14, 170g
Compressor	International famous brand compressor/1	
Condenser & Evaporator	Copper tube finned type; built-in coil type copper tube evaporator	
Defrost	Manual defrost	
Construction	High density polyurethane foam, CFC free	
Material	Internal Material	304 stainless steel
	External Material	Sprayed steel plate
Door	Outer door: cyclopentane monomer foam door*1 Inner door: /	
Consumption	550W	528W
Power Supply	AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)	
Casters	Yes	
Adjustable Shelves/ Drawer	/	
Standard Accessory	Test port	
Optional Accessory	USB interface, RS485 interface, liquid nitrogen backup system, temperature recorder	
Internal Size (W*D*H)	430*400*350mm	540*400*580mm
External Size (W*D*H)	695*740*985mm	1140*730*930mm
Package Size (W*D*H)	810*830*1180mm	1220*780*1070mm
Net Weight	82kg	98kg
Gross Weight	103kg	135kg

## -150°C Freezer



### Technical Parameters

Model	BDF-150H138	BDF-150H226
Capacity	138L	226L
Temp. Range	-125~-150°C	
Temp. Accuracy	0.1°C	
Temp. Uniformity	≤6°C	
Temp. Stability	≤7°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 /2	
Condenser & Evaporator	Copper tube aluminum fin type condenser; built-in copper coil evaporator	
Defrost	Manual defrost	
Construction	Cyclopentane polyurethane foam layer +VIP board	
Material	Internal Material	Stainless steel
	External Material	Galvanized steel powder spraying
Door	Outer door*1, inner door*2	
Consumption	1500W	2000W
Power Supply	AC 220V, 50Hz(Standard); 220V, 60Hz, 110V, 60Hz(Optional)	
Casters	Yes	
Shelf	/	
Standard Accessory	Test hole, USB	
Optional Accessory	chart temperature recorder, freezer rack and freezer box, liquid nitrogen backup system	
Internal Size (W*D*H)	630*440*500mm	780*580*500mm
External Size (W*D*H)	1360*800*1000mm	1510*940*1000mm
Package Size (W*D*H)	1420*840*1150mm	1570*980*1150mm
Net Weight	190kg	230kg
Gross Weight	230kg	280kg