

## -86°C Freezer



### Technical Parameters

Model	BDF-86V408D	BDF-86V588D	BDF-86V838D
Capacity	408L	588L	838L
Temp. Range	-40~-86°C		
Temp. Accuracy	0.1°C		
Temp. Uniformity	≤4°C		
Temp. Stability	≤6°C		≤7°C
Recovery Time (Recover to -75°C in an ambient temp. of 25°C)	21min	16min	35min
Cooling Time (Cool down to -80°C in an ambient temp. of 25°C)	173min	117min	229min
Control System	Microprocessor control		
Display	7-inch LCD touch screen		
Alarm	Audible and visual alarm, high and low temperature alarm, sensor fault alarm, condenser dirty blocked alarm, abnormal ring temperature alarm, abnormal voltage alarm, power off alarm, door opening alarm, low battery alarm, remote alarm interface, all alarm information and history can be queried on the LCD screen		
Refrigeration Type	Direct-cooling		
Refrigerant	R4001, 300g	R4001, 320g	R4001, 400g
Compressor	Imported brand SECOP compressor/2		
Condenser & Evaporator	Copper tube, copper tube plate		
Defrost	Manual defrost		
Construction	High density polyurethane foam, CFC free		
Material	Internal Material	304 stainless steel	
	External Material	Sprayed steel plate	
Door	Outer door: sprayed steel plate door*1 Inner door: 304 stainless steel door*2		
Consumption	1350W	1500W	1700W
Power Supply	AC 220V, 50/60Hz (Standard); 110V, 50/60Hz (Optional, external transformer)		
Casters	Yes		
Shelf	3		
Standard Accessory	Remote alarm interface, USB interface, test port, handwriting drawing board function, A4 paper slot function, automatic air pressure balance hole		
Optional Accessory	Temperature recorder, liquid nitrogen backup system		
Internal Size(W*D*H)	606*575*1180mm	606*738*1310mm	894*718*1310mm
External Size(W*D*H)	891*992*1945.5mm	891*1155*1994.5mm	1179*1135*1994.5mm
Package Size(W*D*H)	965*1035*2120mm	975*1190*2200mm	1275*1170*2200mm
Net Weight	235.5kg	283kg	310kg
Gross Weight	278kg	345.5kg	333.5kg

## -86°C Freezer



### Technical Parameters

Model	BDF-86V588	BDF-86V728	BDF-86V838
Capacity	588L	728L	838L
Temp. Range	-40~-86°C		
Temp. Accuracy	0.1°C		
Temp. Uniformity	≤4°C		
Temp. Stability	≤6°C		≤7°C
Recovery Time (Recover to -75°C in an ambient temp. of 25°C)	48min	57min	40min
Cooling Time (Cool down to -80°C in an ambient temp. of 25°C)	302min	410min	245min
Control System	Microprocessor control		
Display	LCD touch screen		LCD screen
Alarm	Audible and visual alarm, high and low temperature alarm, sensor fault alarm, condenser dirty blocked alarm, abnormal ring temperature alarm, abnormal voltage alarm, power off alarm, door opening alarm, low battery alarm, remote alarm interface, all alarm information and history can be queried on the LCD screen		
Refrigeration Type	Direct-cooling		
Refrigerant	R290, 130g; R170, 68g	R290,140g; R170, 78g	
Compressor	Imported brand SECOP compressor/2		
Condenser & Evaporator	Copper tube finned type, copper coil type		
Defrost	Manual defrost		
Construction	High density polyurethane foam, CFC free		
Material	Internal Material	304 stainless steel	
	External Material	Sprayed steel plate	
Door	Outer door: sprayed steel plate door*1 Inner door: 304 stainless steel door*2		
Consumption	690W	710W	1700W
Power Supply	AC 220V, 50/60Hz (Standard); 110V, 60Hz (Optional, external transformer)		
Casters	Yes		
Shelf	3		
Standard Accessory	Remote alarm interface, USB interface, test port, handwriting drawing board function, A4 paper slot function, automatic air pressure balance hole		
Optional Accessory	Temperature recorder, disc recorder, liquid nitrogen backup system		Liquid nitrogen backup system, temperature recorder
Internal Size(W*D*H)	606*738*1310mm	963*571*1350mm	894*718*1310mm
External Size(W*D*H)	891*1155*1994.5mm	1248*975*1994.5mm	1160*1172*1994.5mm
Package Size(W*D*H)	1330*1010*2200mm	1330*1010*2200mm	
Net Weight	335kg	380kg	391kg
Gross Weight	400kg	400kg	424kg