

### -40°C Freezer



#### Technical Parameters

Model	BDF-40H100	BDF-40H200	BDF-40H300	BDF-40H485
External Size(L*W*H) mm	680*580*935	1160*765*885	1530*765*885	1655*755*915
Capacity	105L	220L	320L	485L
Temperature Range	-10°C~-40°C	-15°C~-40°C		-20°C~-40°C
Temperature Accuracy	0.1°C			
Control System	Microprocessor Control, LED Display			
Alarm	BDF-40H100&BDF-40H485: High or low temperature alarm, sensor failure alarm, Power failure alarm, Temperature controller failure alarm BDF-40H200&BDF-40H300: High temperature alarm, sensor failure alarm			
Refrigeration Type	Direct Refrigeration			
Refrigerant	R290	R404a and R23		R290
Evaporator	Material of Copper			
Construction	Structure	Unibody Design & Mono-assembly foaming (Rigid polyurethane insulation material)		
	Internal material	304 Stainless Steel		
	External material	Powder coated cold rolled steel plate		
Consumption	160W	380W	460W	295W
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Package Size(L*W*H) mm	750*700*1040	1230*835*1055	1600*835*1055	1775*900*1060
Gross Weight	65kg	143kg	170kg	138kg

### -60°C Freezer



#### Safety system

1. Perfect alarm system with buzzer sound and lamp flashing alarm functions
2. High temperature alarm & Temperature sensor failure alarm
3. Multiple-protection function (Password protection, power-on delay, time between stops, refrigeration system operation protection during sensor failure)

#### Technical Parameters

Model	BDF-60H58	BDF-60H118A	BDF-60H218	BDF-60H318	BDF-60H458
External Size(W*D*H) mm	670*765*905	900*765*945	1160*765*885	1530*765*885	2115*895*1095
Internal Size(W*D*H) mm	470*470*300	696*470*385	960*470*595	1330*470*595	1380*500*660
Capacity	60L	118L	220L	320L	458L
Temp. Range	-25°C~-60°C, adjustable				
Temp. Accuracy	0.1°C				
Control System & Display	Microprocessor control, LED display				
Audio & Visual Alarm	High or low temperature alarm; Sensor failure alarm				
Refrigeration Type	Optimized auto-cascade refrigerating system				
Refrigerant	Unique fluoride-free mixed refrigerant, CFC-Free				
Condenser & Evaporator	Optimized evaporation and condensation system, strong cooling and low energy consumption				
Construction	structure	100mm(150mm only for BDF-60H458) ultra-thick foam layer, dual-sealing design of door, for effective temperature protection			
	Internal Material	304 stainless steel			
	External Material	Sprayed steel plate			
Consumption	330W	340W	400W	480W	520W
Power Supply	AC110V/220V±10%, 50/60Hz				
Package Size(W*D*H) mm	740*835*1075	1020*830*1075	1230*835*1055	1600*835*1055	2215*935*1245
Gross Weight	101kg	128kg	143kg	170kg	255kg

-86°C Freezer



158L



338L



408L

Technical Parameters

Model	BDF-86V158	BDF-86V338	BDF-86V408
External Size(W*D*H) mm	700*700*1580	880*980*1940	891*930*1945
Internal Size(W*D*H) mm	460*455*800	488*607*1140	606*575*1180
Capacity	158L	338L	408L
Type	Vertical		
Temp. Range	-40~-86°C	-40~-86°C	-40~-86°C
Temp. Accuracy	0.1°C	0.1°C	0.1°C
Control System	Microprocessor control, LED Display	Microprocessor control, LCD touch screen	Microprocessor control, LED Display
Audible and Visual Alarm	High and low temperature alarm, sensor fault alarm	High and low temperature, Sensor failure, Door ajar, Power failure, Voltage abnormal, Ambient temperature abnormal, Low voltage, Filter blocking	
Refrigeration type	Optimized auto-cascade refrigerating system		
Refrigerant	R404a and R23	R290 and R170	
Compressor	1 set	2 sets	1 set
Condenser&Evaporator	Made of copper		
Construction	Structure	120mm ultra-thick foam layer	100mm ultra-thick foam layer
	Internal Material	SS 304	
	External Material	Sprayed steel plate	
Door	Lockable door		
Caster	4 casters		
Chamber with Inner Door	3	2	2
Shelf	2 pcs	3 pcs	3 pcs
Temp. Test Port	1, φ18mm	1, φ25mm	1, φ25mm
Consumption	650W	870W	890W
Power Supply	AC110V/220V±10%, 50/60Hz		
Standard Accessory	/	72 hours battery backup for power failure alarm, USB port	
Max. Optional Storage Racks	/	12*R244B	The first and fourth floors: 8*R254B Second and third floor: 8*R244B 288
Max. Optional Boxes	/	192	
Package Size (W*D*H) mm	800*780*1750	940*1070*2130	955*955*2100
Gross Weight	155kg	305kg	291kg



108L



340L



588L

Technical Parameters

Model	BDF-86V108	BDF-86V340	BDF-86V588
External Size (W*D*H)mm	700*730*1260	875*980*1900	880*1080*2000
Internal Size (W*D*H)mm	460*460*510	488*607*1140	606*738*1310
Capacity	108L	340L	588L
Type	Vertical		
Temp. Range	-40°C~-86°C	-40°C~-86°C	-40°C~-86°C
Temp. Accuracy	0.1°C		
Control System	Microprocessor control, LED display	Microprocessor control, LED display	Microprocessor control, LCD touch screen
Audio and Visual Alarm	High and low temperature, Sensor failure	High and low temperature, Sensor failure, Door ajar, Power failure, Voltage abnormal, Ambient temperature abnormal, Low voltage, Filter blocking	
Refrigeration Type	Optimized auto-cascade refrigerating system	Direct refrigeration	
Refrigerant	R404a and R23	R290 and R170	
Compressor	1 set	1 set	2 sets
Condenser&Evaporator	Made of copper		
Construction	Structure	120mm ultra-thick foam layer	150mm ultra-thick foam layer
	Internal Material	SS 304	
	External Material	Sprayed steel plate	
Door	Lockable door		
Caster	4 casters		
Chamber with Inner Door	2	2	2
Shelf	1 pcs	3 pcs	3 pcs
Temp. Test Port	1, φ18mm	1, φ25mm	1, φ25mm
Consumption	520W	810W	815W
Power Supply	AC110V/220V±10%, 50/60Hz		
Standard Accessory	/	72 hours battery backup for power failure alarm, USB port	
Max. Optional Storage Racks	/	12*R244B	16*R255B
Max. Optional Boxes	/	192	400
Package Size (W*D*H)mm	785*800*1430	935*1070*2130	975*1140*2200
Gross Weight	133kg	283.5kg	368kg