

-86°C Freezer



BDF-86V28



BDF-86V58



BDF-86V65



BDF-86V108

Technical Parameters

Model	BDF-86V28	BDF-86V58	BDF-86V65	BDF-86V108
Capacity	28L	58L	65L	108L
Temp. Range	-40~-86℃			
Temp. Accuracy	0.1℃			
Temp. Uniformity	±3℃	±4℃		±3℃
Temp. Stability	≤6℃			
Recovery Time (Recover to -75℃ in an ambient temp. of 25℃)	20min	25min	≤15min	20min
Cooling Time (Cool down to -80℃ in an ambient temp. of 25℃)	120min	160min	≤240min	120min
Control System	Microprocessor control			
Display	LED			

Technical Parameters

Model	BDF-86V28	BDF-86V58	BDF-86V65	BDF-86V108
Alarm	High/low temperature alarm, controller failure alarm	High/low temperature alarm, power failure alarm(48h), controller failure alarm, door ajar alarm, ambient temperature alarm, condenser fault alarm, filter clogging alarm, voltage abnormality alarm	High/low temperature alarm, power failure alarm(72h), controller failure alarm, door ajar alarm	High/low temperature alarm, controller failure alarm
Refrigeration Type	Direct-cooling			
Refrigerant	R290/R170, 100g	R4001, 200g	R600a/R1150/R14, 150g	R290/R170, 115g
Compressor	International famous brand compressor /1			
Condenser & Evaporator	Copper tube finned type; built-in coil type	Copper tube evaporator; finned condenser	Micro channel condenser; built-in coil type	Copper tube finned type; built-in coil type
Defrost	Manual defrost			
Construction	Polyurethane cyclopentane foam			
Material	Internal Material	304 stainless steel		
	External Material	Sprayed steel plate		
Door	Outer door: cyclopentane monomer foam outer door*1 Interior door: stainless steel door*1	Outer door: sprayed steel plate door*1 Interior door: stainless steel door*2	Outer door: cyclopentane monomer foam outer door*1 Interior door: cyclopentane monolithic foaming, stainless steel door*1	Outer door: cyclopentane monomer foam outer door*1 Interior door: stainless steel door*2
Noise	55~60dB(A)	58dB(A)	53dB(A)	55~60dB(A)
Consumption	400W	442W	540W Apparent power: 550VA	480W
Power Supply	AC 220V, 50Hz(Standard); 220V, 60Hz; 110V, 50/60Hz(Optional)		AC 220V, 50Hz (Standard); 110/220V, 60Hz(Optional)	AC 220V, 50Hz (Standard); 220V, 60Hz; 110V, 50/60Hz(Optional)
Casters	Yes			
Shelf	1			
Standard Accessory	Test hole	Remote alarm function interface, test hole, USB interface	Test hole	
Optional Accessory	Temperature recorder	Temperature recorder, RS485, liquid nitrogen backup system	USB interface, RS485, temperature recorder, liquid nitrogen backup system	Temperature recorder
Internal Size (W*D*H)	270*265*400mm	330*453*410mm	360*455*395mm	460*460*510mm
External Size (W*D*H)	505*520*1165mm	635*757*1212mm	660*715*1165mm	700*730*1260mm
Package Size (W*D*H)	535*575*1290mm	730*860*1420mm	765*825*1350mm	765*815*1395mm
Net Weight	71kg	112kg	92kg	107kg
Gross Weight	90kg	146kg	134kg	133kg