-86℃ 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 and low temperature alarm, sensor failure alarm	High and low temperature alarm, sensor fault alarm, power off alarm, door opening alarm, ring temperature alarm, condenser fault alarm, filter check alarm, abnormal voltage alarm, low battery power alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm (72h)	High and low temperature alarm, sensor failure alarm
Refrigeration Type	Direct-cooling			
Refrigerant	R404A/R23, 140g	R600a/R290/R14/ R728, 155g	R600a/R1150/R14, 150g	R404A/R23, 190g
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			
Material — 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
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