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BIOBASE®

Specialist in Lab Freezers and Refrigerators



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Version 2026-2027

INTRODUCTION

BIOBASE Group is a professional manufacturer of laboratory equipments since 1999. We are certified by CE, ISO13485, ISO9001, etc.

Our main cold chain system products are Blood bank refrigerator, Laboratory refrigerator, -25°C Freezer, -40°C Freezer, -60°C Freezer, -86°C Ultra-low temperature Freezer, Freezer racks and boxes, Car refrigerator, Portable refrigerator, Freeze Dryer, Portable refrigerator, Ice maker, etc.

We have 25 factories, our customers are located in more than 190 countries around the world. Pursuing the highest quality is the tenet of BIOBASE.

CERTIFICATES



ISO9001



ISO13485



CE



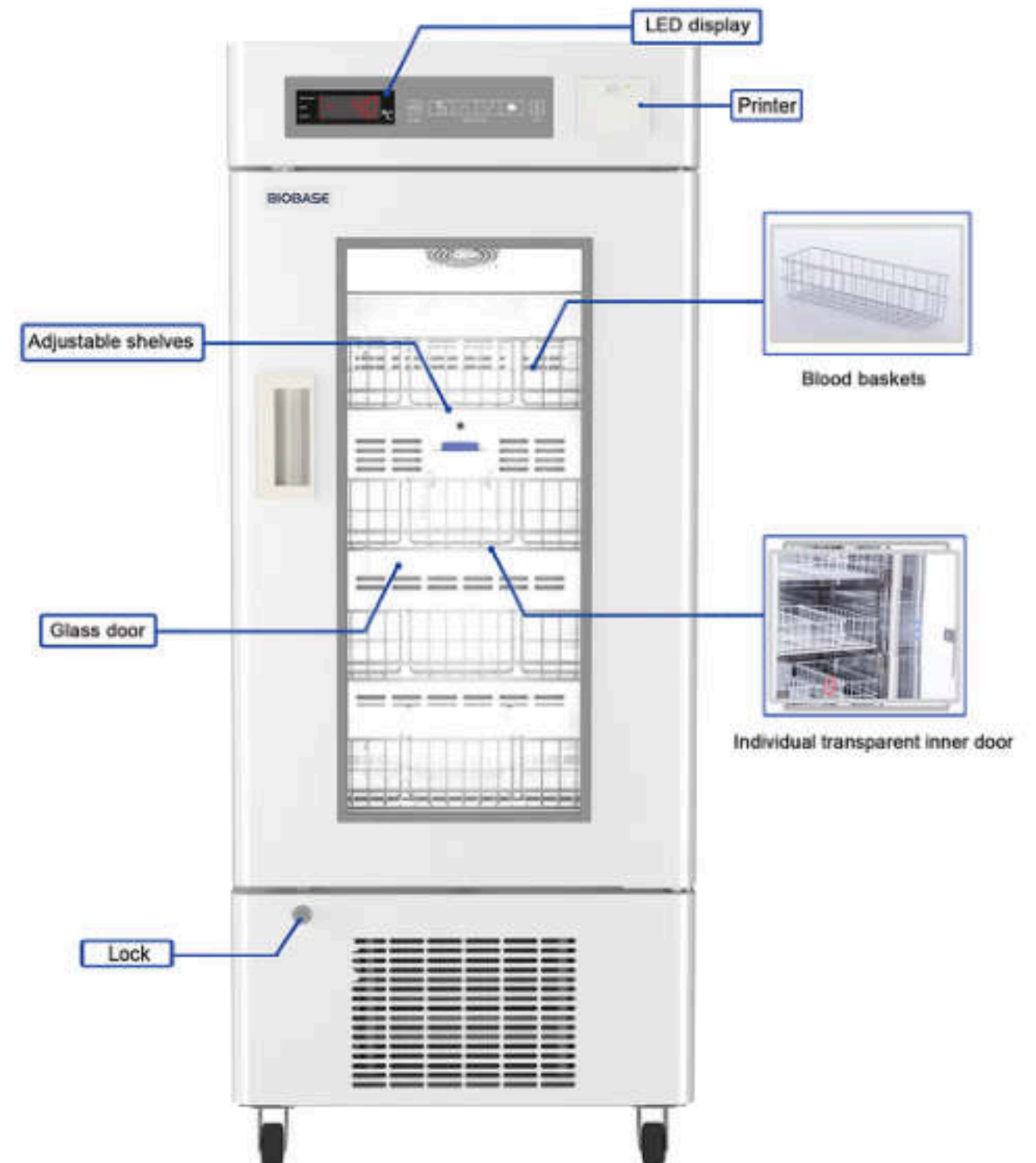
Screenshot of FDA Query Link

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Blood Bank Refrigerator(4±2°C)



Blood Bank Refrigerator

Advantage

- * Multiple sensors design: make sure the precise monitoring and programming.
- * Unibody Design, Mono-assembly foaming (Rigid polyurethane insulation material)
- * Forced air refrigeration system, ensure inner temperature constant and uniform.
- * Adjustable shelves, improve space utilization; blood storage baskets can be classified.
- * Individual transparent inner door, effectively reduce cool air loss when opening the door.



Technical Parameters

Model	BBR-4V86	BBR-4V136	BBR-4V296	BBR-4V356	BBR-4V466
Capacity	86L	136L	296L	356L	466L
Temp. Range	2~6℃				
Temp. Accuracy	0.1℃				
Temp. Uniformity	≤1.5℃				
Temp. Stability	≤2℃				
Recovery Time (Recover to 6℃ in an ambient temp. of 32℃)	≤15min				

Technical Parameters

Model	BBR-4V86	BBR-4V136	BBR-4V296	BBR-4V356	BBR-4V466
Cooling Time (Cool down to 5℃ in an ambient temp. of 32℃)	≤55min			≤60min	≤70min
Control System	Microprocessor control				
Display	LED display				
Alarm	High and low temperature, sensor & system failure alarm, door ajar alarm, power failure alarm, battery switch alarm				
Refrigeration Type	Air-cooling				
Refrigerant	R134a/115g	R134a/120g	R134a/175g	R134a/190g	R134a/200g
Compressor	International famous compressor/1				
Condenser & Evaporator	Copper tube aluminum fin type				
Defrost	Automatic defrost				
Construction	Polyurethane cyclopentane foam				
Material	Internal Material	Stainless steel			
	External Material	Sprayed steel plate			
Door	Outer door: electrically heated glass semi-foam door*1 Inner door: acrylic door*2	Outer door: electrically heated glass semi-foam door*1 Inner door: acrylic door*3	Outer door: electrically heated glass door*1 Inner door: acrylic door*3		Outer door: electrically heated glass semi-foam door*1 Inner door: acrylic door*3
Consumption	245W	252W	267W	352W	506W
Power Supply	AC220V, 50Hz(Standard); AC220V,60Hz, 110V,60Hz (Optional, external transformer)		AC220V, 50Hz(Standard); AC110/220V,60Hz(Optional)		AC220V, 50Hz (Standard); AC220V,60Hz, 110V,60Hz (Optional, external transformer)
Casters	Yes				
Shelf	2pcs	4pcs	4pcs	5pcs	5pcs
Basket	6pcs	12pcs	12pcs	15pcs	20pcs
Blood Bag(450ml)	66pcs	132pcs	156pcs	195pcs	300pcs
Standard Accessory	Thermal printer, test hole				
Optional Accessory	Temperature recorder, USB interface, RS485 interface				
Internal Size(W*D*H)	430*459*495mm	430*459*745mm	530*520*1096mm	530*520*1325mm	580*613*1325mm
External Size(W*D*H)	530*660*1037mm	530*660*1287mm	630*720*1658mm	630*720*1886mm	680*747*1886mm
Package Size(W*D*H)	680*740*1330mm	685*750*1560mm	780*840*1910mm	770*830*2070mm	820*910*2080mm
Net Weight	74kg	90kg	121kg	136kg	152kg
Gross Weight	103kg	120kg	160kg	175kg	186kg

Blood Bank Refrigerator (Double Door)



Introduction:

Blood bank refrigerator series products are applied to places needing storage at constant temperature, such as hospitals, epidemic prevention stations, blood banks, scientific research institutions, colleges and universities, biological pharmacies, genetic engineering, etc. The storing temperature in the body can be regulated by the temperature button on the control panel. The application is convenient and the performance is reliable.

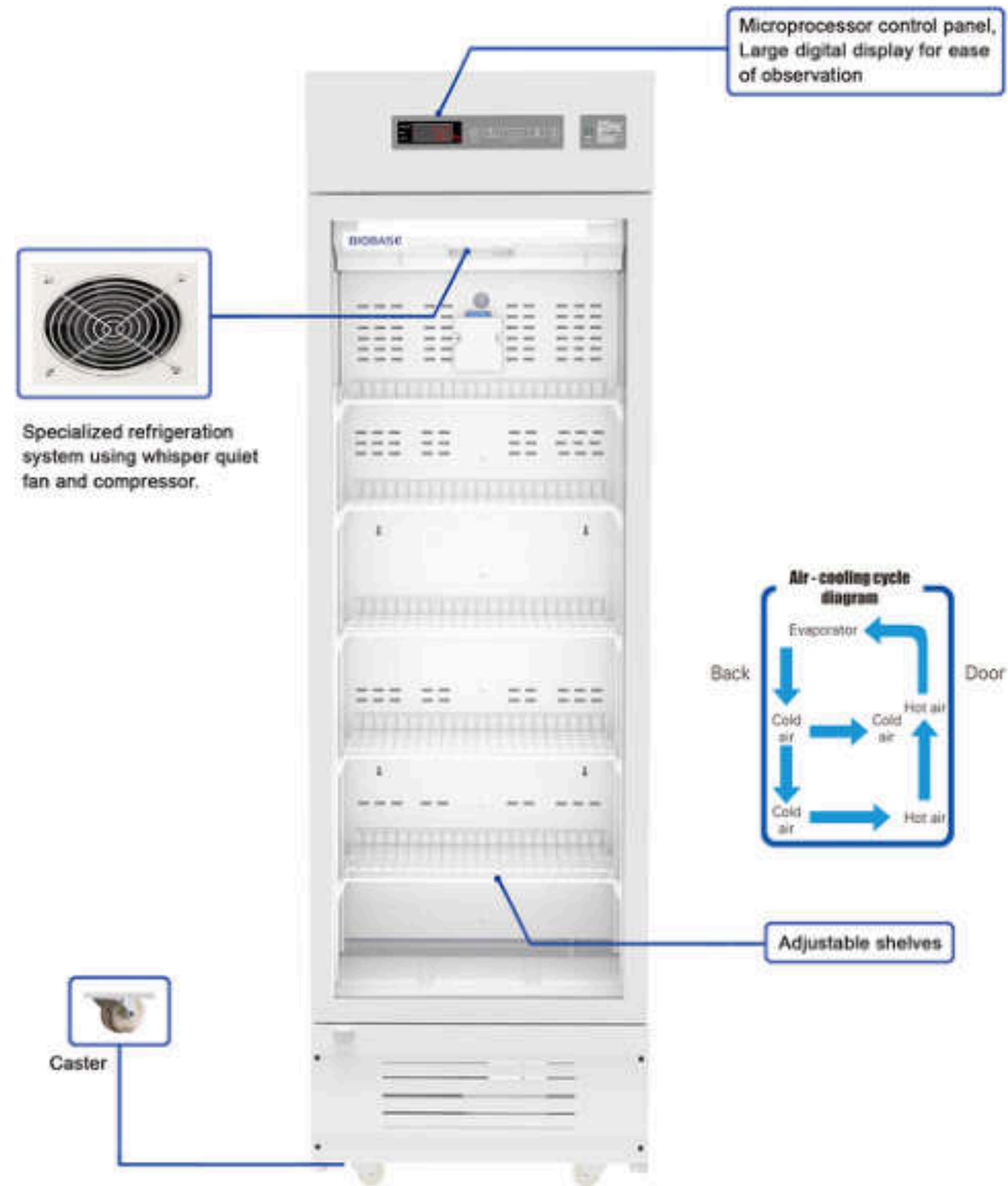
Advantage:

- * Multiple sensors design; make sure the precise monitoring and programming.
- * Electric heated glass semi-foamed door, easy to observe, also keep a better cooling temperature.
- * Forced air refrigeration system, ensure inner temperature constant and uniform.
- * Adjustable shelves, improve space utilization; blood storage baskets can be classified.
- * Individual transparent inner door, effectively reduce cool air loss when opening the door.

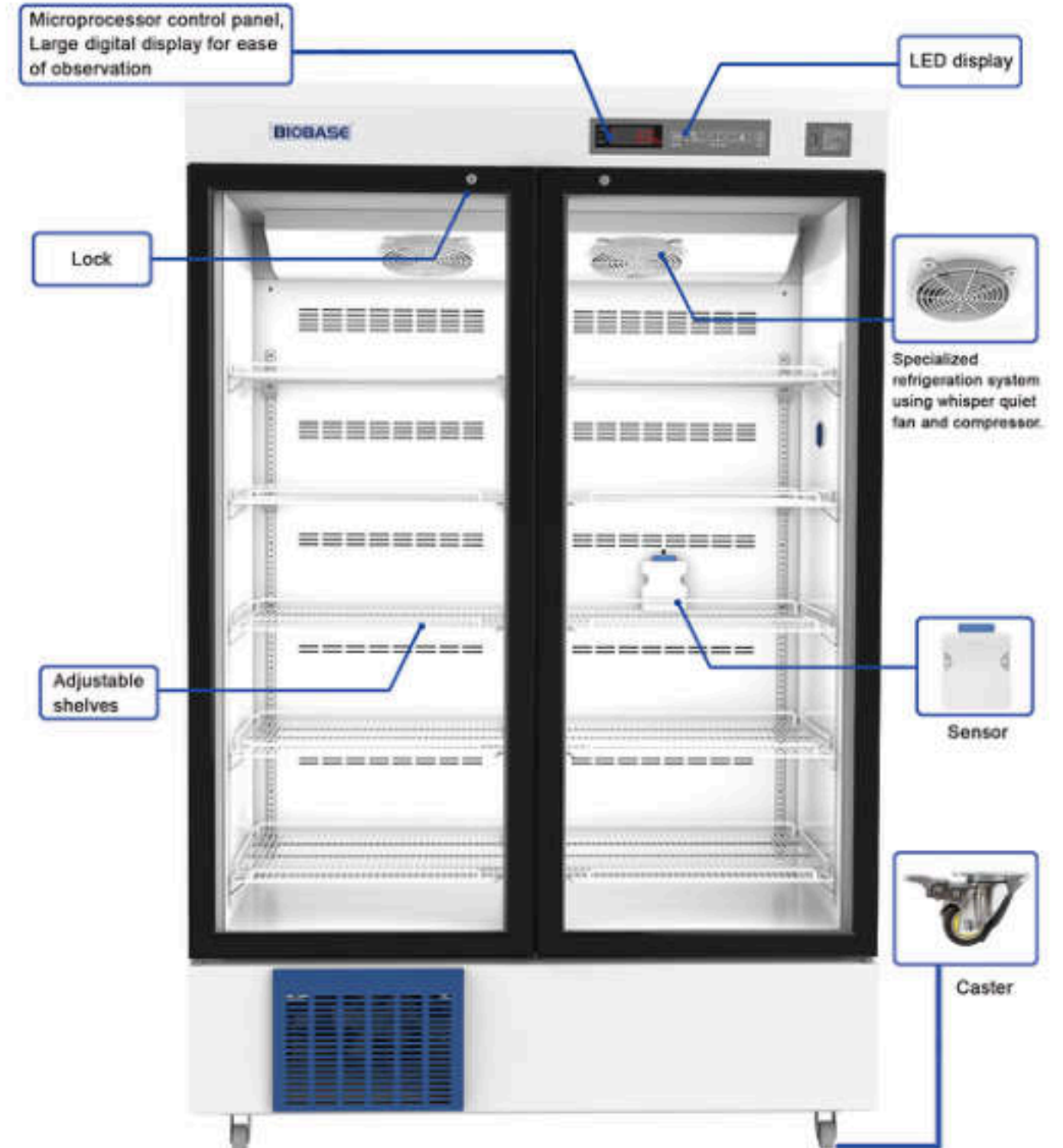
Technical Parameters

Model	BBR-4V626	BBR-4V966
Capacity	626L	966L
Temp. Range	2~8℃	
Temp. Accuracy	0.1℃	
Temp. Uniformity	≤1.5℃	
Temp. Stability	≤2℃	
Recovery Time (Recover to 6℃ in an ambient temp. of 32℃)	≤15min	
Cooling Time (Cool down to 5℃ in an ambient temp. of 32℃)	≤100min	
Control System	Microprocessor control	
Display	LED display	
Alarm	High or low temperature, sensor & system failure alarm, door ajar alarm, power failure alarm, battery switch alarm	
Refrigeration Type	Air-cooling	
Refrigerant	R134a/240g	
Compressor	International famous compressor/1	
Condenser & Evaporator	Copper tube aluminum fin type	
Defrost	Automatic defrost	
Construction	Polyurethane cyclopentane foam	
Material	Internal Material	Stainless steel
	External Material	Sprayed steel plate
Door	Outer door: electrically heated glass semi-foam door*2 Inner door: acrylic door*6	
Casters	Yes	
Consumption	550W	560W
Power Supply	AC220V, 50Hz(Standard); 110/220V,60Hz(Optional)	
Shelf	12pcs	
Baskets	36pcs	
Blood Bags(450ml)	360pcs	576pcs
Standard Accessory	Thermal printer, test hole	
Optional Accessory	Temperature recorder, USB interface, RS485 interface	
Internal Size(W*D*H)	1100*420*1325mm	1100*650*1325mm
External Size(W*D*H)	1220*665*1885mm	1220*895*1885mm
Package Size(W*D*H)	1360*770*2100mm	1360*1000*2100mm
Net Weight	220kg	246kg
Gross Weight	285kg	320kg

Laboratory Refrigerator(2-8°C)



Laboratory Refrigerator(2-8°C)



Laboratory Refrigerator(Economic Type)



BPR-5V46F



BPR-5V150F



BPR-5V320F



BPR-5V400F

Technical Parameters

Model	BPR-5V46F	BPR-5V150F	BPR-5V320F	BPR-5V400F
Capacity	46L	150L	320L	400L
Temp. Range	2~8℃			
Temp. Accuracy	1℃			
Temp. Uniformity	≤2℃			
Temp. Stability	≤3℃			
Control System	Microprocessor control			
Display	LED			
Alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm			
Refrigeration Type	Air-cooling			
Refrigerant	R600a/25g	R600a/31g	R600a/34g	R600a/38g
Compressor	International famous brand compressor /1			
Condenser & Evaporator	Bundy tube, side plate type; aluminum plate, roll-bond evaporator	Bundy tube, side plate type; aluminum tube, plate and tube evaporator		Bundy tube, inside style, aluminum plate, plate and tube evaporator
Defrost	Automatic defrost			
Construction	Polyurethane cyclopentane foam			
Material	Internal Material	HIPS		
	External Material	Precoated steel plate		
Door	1/Cyclopentane monolithic foam door			
Consumption	85W	130W	180W	180W
Power Supply	AC 220V, 50Hz(Standard); 220V, 60Hz, 110V, 60Hz(Optional, external transformer)			
Casters	No			
Adjustable Shelf	1	2	5	6
Standard Accessory	Test hole, shelf			
Internal Size (W*D*H)	400*295*426mm	490*480*712mm	490*480*1408mm	490*480*1778mm
External Size (W*D*H)	480*460*585mm	600*607*870mm	600*607*1560mm	600*607*1930mm
Package Size (W*D*H)	520*520*710mm	640*660*1040mm	640*660*1770mm	640*660*2140mm
Net Weight	18kg	32kg	52kg	63kg
Gross Weight	26kg	44.5kg	66.5kg	81kg

Laboratory Refrigerator(Economic Type)



BPR-5V46



BPR-5V150



BPR-5V320



BPR-5V400

Technical Parameters

Model	BPR-5V46	BPR-5V150	BPR-5V320	BPR-5V400
Capacity	46L	150L	320L	400L
Temp. Range	2~8℃			
Temp. Accuracy	1℃			
Temp. Uniformity	≤2℃			
Temp. Stability	≤3℃			
Control System	Microprocessor control			
Display	LED			
Alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm			
Refrigeration Type	Air-cooling			
Refrigerant	R600a/25g	R600a/31g	R600a/34g	R600a/38g
Compressor	International famous brand compressor /1			
Condenser & Evaporator	Bundy tube, side plate type; aluminum plate, roll-bond evaporator	Bundy tube, side plate type; aluminum tube, plate and tube evaporator		Bundy tube, inside style, aluminum plate, plate and tube evaporator
Defrost	Automatic defrost			
Construction	Polyurethane cyclopentane foam			
Material	Internal Material	HIPS		
	External Material	Precoated steel plate		
Door	1/Electrically heated glass exterior door			
Consumption	85W	130W	180W	180W
Power Supply	AC 220V, 50Hz(Standard); 220V, 60Hz, 110V, 60Hz(Optional, external transformer)			
Casters	No			
Adjustable Shelf	1	2	5	6
Standard Accessory	Test hole, shelf			
Internal Size (W*D*H)	400*295*426mm	490*480*712mm	490*480*1408mm	490*480*1778mm
External Size (W*D*H)	480*460*585mm	600*607*870mm	600*607*1560mm	600*607*1930mm
Package Size (W*D*H)	520*520*710mm	640*660*1040mm	640*660*1770mm	640*660*2140mm
Net Weight	21kg	38.5kg	59.5kg	71kg
Gross Weight	29kg	51kg	74kg	89kg

Laboratory Refrigerator



BPR-5V68F/108F



BPR-5V288F/358F/468F

Technical Parameters

Model	BPR-5V68F	BPR-5V108F	BPR-5V288F	BPR-5V358F	BPR-5V468F
Capacity	68L	108L	288L	358L	468L
Temp. Range	2~8℃				
Temp. Accuracy	0.1℃				
Temp. Uniformity	≤2℃				
Temp. Stability	≤3℃				
Recovery Time (Recover to 8℃ in an ambient temp. of 32℃)	≤15min				
Cooling Time (Cool down to 6℃ in an ambient temp. of 32℃)	≤55min	≤110min	≤80min		≤70min
Control System	Microprocessor control				
Display	LED				
Alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(8h)				
Refrigeration Type	Air-cooling				
Refrigerant	R600a/21g	R600a/27g	R290/55g	R290/75g	R290/97g
Compressor	International famous brand compressor/1				
Condenser & Evaporator	Bundy tube; aluminum tube aluminum plate		Copper tube aluminum fin type		
Defrost	Automatic defrost				
Construction	Polyurethane cyclopentane insulation material				
Material	Internal Material	Spraying steel plate			
	External Material	Spraying steel plate			
Door	Cyclopentane integral foam door*1				
Consumption	95W		220W		
Power Supply	AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)				
Casters	No		Yes		
Shelf	2	3	4	5	
Standard Accessory	Test hole, USB interface				
Optional Accessory	RS485, printer, temperature recorder				
Internal Size(W*D*H)	415*405*455mm	415*405*706mm	530*520*1096mm	530*520*1325mm	580*613*1325mm
External Size(W*D*H)	495*572*683mm	495*572*934mm	630*660*1658mm	630*660*1886mm	680*747*1886mm
Package Size(W*D*H)	620*700*860mm	630*700*1110mm	770*800*1830mm	770*800*2060mm	830*880*2050mm
Net Weight	41kg	49kg	101kg	111kg	123kg
Gross Weight	52kg	61kg	118kg	131kg	146kg

Laboratory Refrigerator



Technical Parameters

Model	BPR-5V628F	BPR-5V1008F
Capacity	628L	1008L
Temp. Range	2~8℃	
Temp. Accuracy	0.1℃	
Temp. Uniformity	≤2℃	
Temp. Stability	≤3℃	
Recovery Time (Recover to 8℃ in an ambient temp. of 32℃)	≤15min	
Cooling Time (Cool down to 6℃ in an ambient temp. of 32℃)	≤80min	
Control System	Microprocessor control	
Display	LED	
Alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(8h)	
Refrigeration Type	Air-cooling	
Refrigerant	R290/150g	
Compressor	International famous brand compressor/1	
Condenser & Evaporator	Copper tube aluminum fin type	
Defrost	Automatic defrost	
Construction	Polyurethane cyclopentane insulation material	
Material	Internal Material	Spraying steel plate
	External Material	Spraying steel plate
Door	Cyclopentane integral foam door*2	
Consumption	296W	
Power Supply	AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)	
Castors	Yes	
Shelf	10	
Standard Accessory	Test hole, USB interface	
Optional Accessory	RS485, printer, temperature recorder	
Internal Size(W*D*H)	1100*454*1305mm	1100*710*1305mm
External Size(W*D*H)	1220*598*1886mm	1220*828*1886mm
Package Size(W*D*H)	1340*750*2100mm	1340*980*2100mm
Net Weight	181kg	204kg
Gross Weight	215kg	248kg

Laboratory Refrigerator



BPR-5V68



BPR-5V108



BPR-5V118



BPR-5V238

Technical Parameters

Model	BPR-5V68	BPR-5V108	BPR-5V118	BPR-5V238
Capacity	68L	108L	118L	238L
Temp. Range	2~8℃			
Temp. Accuracy	0.1℃			
Temp. Uniformity	≤2℃			
Temp. Stability	≤3℃			
Recovery Time (Recover to 8℃ in an ambient temp. of 32℃)	≤15min			
Cooling Time (Cool down to 6℃ in an ambient temp. of 32℃)	≤55min	≤110min	≤70min	≤120min
Control System	Microprocessor control			
Display	LED			
Alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(8h)			
Refrigeration Type	Air-cooling			
Refrigerant	R600a/21g	R600a/27g	R600a/22g	R600a/31g
Compressor	International famous brand compressor/1			
Condenser & Evaporator	Bundy tube; aluminum tube aluminum plate			Bundy tube; aluminum tube and aluminum fin
Defrost	Automatic defrost			
Construction	Polyurethane cyclopentane insulation material			
Material	Internal Material	Spraying steel plate		Embossed aluminum plate
	External Material	Spraying steel plate		
Door	Electrically heated glass door*1			
Consumption	85W	95W	162W	
Power Supply	AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)		AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)	AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)
Casters	No			Yes
Shelf	2	3	4	
Standard Accessory	Test hole, USB interface			Test hole, USB interface, caster
Optional Accessory	RS485, printer, temperature recorder			
Internal Size(W*D*H)	415*405*455mm	415*405*706mm	420*385*770mm	495*410*1200mm
External Size(W*D*H)	495*548*683mm	495*548*934mm	500*550*1300mm	580*575*1810mm
Package Size(W*D*H)	620*700*860mm	630*700*1110mm	610*620*1510mm	670*650*2000mm
Net Weight	38kg	49kg	44kg	60kg
Gross Weight	49kg	60kg	57kg	80kg

Laboratory Refrigerator



BPR-5V288S



BPR-5V358S



BPR-5V298



BPR-5V368



BPR-5V468

Technical Parameters

Model	BPR-5V288S	BPR-5V298	BPR-5V358S	BPR-5V368	BPR-5V468
Capacity	288L	298L	358L	368L	468L
Temp. Range	2~8℃				
Temp. Accuracy	0.1℃				
Temp. Uniformity	≤2℃				
Temp. Stability	≤3℃				
Recovery Time (Recover to 8℃ in an ambient temp. of 32℃)	≤15min				
Cooling Time (Cool down to 6℃ in an ambient temp. of 32℃)	≤55min	≤120min	≤60min	≤70min	
Control System	Microprocessor control				
Display	LED				
Alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(8h)				
Refrigeration Type	Air-cooling				
Refrigerant	R290/80g	R600a/33g	R290/90g	R600a/45g	R290/97g
Compressor	International famous brand compressor/1				
Condenser & Evaporator	Bundy tube; copper tube aluminum fin type	Bundy tube; aluminum tube aluminum fin type	Bundy tube; copper tube aluminum fin type	Bundy tube; aluminum tube aluminum fin type	Copper tube aluminum fin type
Defrost	Automatic defrost				
Construction	Polyurethane cyclopentane insulation material				
Material	Internal Material	Spraying steel plate	Embossed aluminum plate	Spraying steel plate	
	External Material	Spraying steel plate			
Door	Electrically heated glass door*1				
Consumption	260W	189W	260W	230W	220W
Power Supply	AC 220V, 50Hz (Standard); 110V, 60Hz(Optional, external transformer), 220V, 60Hz(Optional)	AC 220V, 50Hz (Standard); 110/220V, 60Hz(Optional)	AC 220V, 50Hz (Standard); 110V, 60Hz(Optional, external transformer), 220V, 60Hz(Optional)	AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)	
Casters	Yes				
Shelf	4	5			
Standard Accessory	Test hole, USB interface				
Optional Accessory	RS485, printer, temperature recorder				
Internal Size(W*D*H)	530*520*1096mm	530*410*1375mm	530*520*1325mm	566*475*1290mm	580*613*1325mm
External Size(W*D*H)	640*665*1658mm	620*575*1980mm	640*665*1886mm	650*600*2010mm	680*747*1885mm
Package Size(W*D*H)	770*800*1830mm	720*660*2160mm	770*800*2060mm	740*695*2230mm	830*880*2050mm
Net Weight	110kg	78kg	120kg	90kg	135kg
Gross Weight	127kg	88kg	140kg	105kg	158kg

Laboratory Refrigerator



BPR-5V628



BPR-5V650



BPR-5V968

Technical Parameters

Model	BPR-5V628		BPR-5V650	BPR-5V968
Capacity	628L		650L	968L
Temp. Range	2~8℃			
Temp. Accuracy	0.1℃			
Temp. Uniformity	≤2℃			
Temp. Stability	≤3℃			
Recovery Time (Recover to 8℃ in an ambient temp. of 32℃)	≤15min			
Cooling Time (Cool down to 6℃ in an ambient temp. of 32℃)	≤100min		≤75min	≤100min
Control System	Microprocessor control			
Display	LED			
Alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(8h)			
Refrigeration Type	Air-cooling			
Refrigerant	R290/150g		R290a/150g	R290/150g
Compressor	International famous brand compressor/1			
Condenser & Evaporator	Copper tube aluminum fin type			
Defrost	Automatic defrost			
Construction	Polyurethane cyclopentane insulation material			
Material	Internal Material	Spraying steel plate		
	External Material	Spraying steel plate		
Door	Electrically heated glass door*2			
Consumption	537W		300W	537W
Power Supply	AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)			
Casters	Yes			
Shelf	10			
Standard Accessory	Test hole, USB interface			
Optional Accessory	RS485, printer, temperature recorder			
Internal Size(W*D*H)	1100*454*1325mm		1100*479*1325mm	1100*684*1325mm
External Size(W*D*H)	1220*630*1885mm		1220*630*1885mm	1220*860*1885mm
Package Size(W*D*H)	1340*750*2100mm		1340*750*2100mm	1340*980*2100mm
Net Weight	189kg			212kg
Gross Weight	223kg			256kg

Laboratory Refrigerator



Technical Parameters

Model	BPR-5V1500
Capacity	1500L
Temp. Range	2~8℃
Temp. Accuracy	0.1℃
Temp. Uniformity	≤3℃
Temp. Stability	±3℃
Recovery Time (Recover to 8℃ in an ambient temp. of 32℃)	8min
Cooling Time (Cool down to 6℃ in an ambient temp. of 32℃)	30min
Control System	Microprocessor control
Display	LED
Alarm	High and low temperature alarm, sensor failure alarm, power failure alarm, opening and closing abnormal alarm
Refrigeration Type	Air-cooling
Refrigerant	R134a/620g
Compressor	International famous brand compressor/1
Condenser & Evaporator	Copper tube aluminum plate
Defrost	Automatic defrost
Construction	Polyurethane cyclopentane insulation material
Material	Internal Material: Stainless steel External Material: Stainless steel
Door	Electrically heated glass door*3
Consumption	537W
Power Supply	AC 220V, 50/60Hz(Standard); 110V, 50/60Hz(Optional)
Casters	Yes
Shelf	12
Standard Accessory	/
Optional Accessory	Test hole, USB interface, RS485, printer, temperature recorder
Internal Size(W*D*H)	1680*640*1420mm
External Size(W*D*H)	1800*775*1985mm
Package Size(W*D*H)	1940*880*2035mm
Net Weight	245kg
Gross Weight	280kg

-20/25℃ Freezer(Economic Type)



BDF-20V40



BDF-25V230



BDF-25V300

Technical Parameters

Model	BDF-20V40	BDF-25V230	BDF-25V300
Capacity	40L	230L	300L
Temp. Range	-10~-20℃	-10—25℃	
Temp. Accuracy	1℃		
Temp. Uniformity	≤3℃		
Temp. Stability	≤3℃		
Control System	Microprocessor control		
Display	LED		
Alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm		
Refrigeration Type	Direct-cooling		
Refrigerant	R600a/40g	R600a/64g	R600a/80g
Compressor	International famous brand compressor /1		
Condenser & Evaporator	Bundy tube, side plate type; aluminum tube, wound tube type	Bundy tube, side plate type; wire, tube type	
Defrost	Manual defrost		
Construction	Polyurethane cyclopentane foam		
Material	Internal Material	HIPS	
	External Material	Precoated steel plate	
Door	1/Cyclopentane monolithic foam door		
Consumption	90W	110W	120W
Power Supply	AC 220V, 50Hz(Standard); 220V, 60Hz, 110V, 60Hz(Optional, external transformer)		
Casters	No		
Adjustable Shelves/ Drawer	1	6(Drawer)	8(Drawer)
Standard Accessory	Test hole, shelf		
Internal Size (W*D*H)	400*295*426mm	410*440*1330mm	410*440*1700mm
External Size (W*D*H)	480*460*585mm	595*600*1585mm	595*600*1965mm
Package Size (W*D*H)	520*520*710mm	640*660*1770mm	640*660*2140mm
Net Weight	18kg	60kg	77kg
Gross Weight	26kg	75kg	93kg

-25°C Freezer(Combined Refrigerator and Freezer)



BRF-25V300



BRF-25V318



BRF-25V368



BRF-25V450

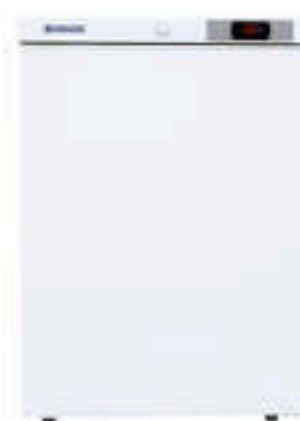
Technical Parameters

Model	BRF-25V300	BRF-25V318	BRF-25V368	BRF-25V450
Capacity	Refrigerator 174L	208L	183L	295L
	Freezer 126L	110L	185L	155L
Temp. Range	Refrigerator 2~8℃			
	Freezer -10~-25℃			
Temp. Accuracy	0.1℃			
Temp. Uniformity	Refrigerator ≤2℃			
	Freezer ≤3℃			
Temp. Stability	≤3℃			
Recovery Time	Refrigerator ≤15min(Recover to 8℃ in an ambient temp. of 32℃)			
	Freezer ≤15min(Recover to -22℃ in an ambient temp. of 25℃)			
Cooling Time	Refrigerator ≤80min(Cool down to 6℃ in an ambient temp. of 32℃)			
	Freezer ≤1.5h(Recover to -25℃ in an ambient temp. of 25℃)			
Control System	Microprocessor control			
Display	LED			

Technical Parameters

Model		BRF-25V300	BRF-25V318	BRF-25V368	BRF-25V450
Alarm		High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(24h)	High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(72h)		
Refrigeration Type	Refrigerator	Air-cooling			
	Freezer	Direct-cooling			
Refrigerant	Refrigerator	R600a/28g	R290/39g	R290/25g	R290/50g
	Freezer	R600a/48g	R290/55g	R290/40g	R290/57g
Compressor		International famous brand compressor /2			
Condenser & Evaporator	Refrigerator	Side-panel type Bundy tube condenser; wall-mounted/	Wire-on-tube Bundy tube condenser; copper tube aluminum fin evaporator	Wire-on-tube Bundy tube condenser; Bundy tube evaporator	Wire-on-tube Bundy tube condenser; copper tube aluminum fin evaporator
	Freezer	wire-on-tube Bundy tube evaporator	Wire-on-tube Bundy tube condenser; built-in coil type copper tube evaporator	Wire-on-tube Bundy tube condenser; built-in coil type copper tube evaporator	
Defrost	Refrigerator	Automatic defrost			
	Freezer	Manual defrost			
Construction		Polyurethane cyclopentane foam			
Material	Internal Material	HIPS	304 stainless steel		
	External Material	Precoated steel plate	Sprayed steel plate		
Door		Outer door: cyclopentane monolithic foam door*2 Interior door: /	Outer door: cyclopentane monolithic foam door*2 Interior door: freezer door optional	Outer door: cyclopentane monolithic foam door*2 Interior door: /	Outer door: cyclopentane monolithic foam door*2 Interior door: freezer door optional
Consumption		160W	390W	594W	410W
Power Supply		AC 220V, 50Hz (Standard); 110/220V, 60Hz(Optional)	AC 220V, 50Hz(Standard); 220V, 60Hz, 110V, 60Hz(Optional, external transformer)		AC 220V, 50Hz (Standard); 110/220V, 60Hz(Optional)
Casters		No	Yes		
Shelf	Refrigerator	3			
	Freezer	3(PS drawer)	1		
Standard Accessory		Test hole*2, USB interface			
Optional Accessory		Temperature recorder, RS485 interface			
Internal Size (W*D*H)	Refrigerator	510*480*720mm	590*495*746mm	580*575*563mm	590*675*746mm
	Freezer	420*450*670mm	520*467*460mm		520*647*460mm
External Size (W*D*H)		595*600*1700mm	741*631*1889mm	750*736*1884mm	741*811*1889mm
Package Size (W*D*H)		630*645*1740mm	880*770*2090mm	890*880*2100mm	880*950*2090mm
Net Weight		69kg	129kg	153kg	144kg
Gross Weight		75kg	175kg	168kg	197kg

-25°C Freezer



BDF-25V100



BDF-25V270



BDF-25V350



BDF-25V936

Technical Parameters

Model	BDF-25V100	BDF-25V270	BDF-25V350	BDF-25V936
Capacity	100L	270L	350L	936L
Temp. Range	-10~-25℃			
Temp. Accuracy	0.1℃			
Temp. Uniformity	≤3℃			5℃
Temp. Stability	≤3℃			5℃
Recovery Time (Recover to -22℃ in an ambient temp. of 25℃)	≤15min			
Cooling Time (Cool down to -25℃ in an ambient temp. of 25℃)	≤1.5h			150min
Control System	Microprocessor control			
Display	LED			

Technical Parameters

Model	BDF-25V100	BDF-25V270	BDF-25V350	BDF-25V936
Alarm	High and low temperature alarm, power failure alarm, thermostat fault alarm, door switch alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(8h)		High and low temperature alarm, sensor fault alarm, thermostat fault alarm, power off alarm, door opening alarm, ambient temperature alarm, condenser fault alarm, filter check alarm, abnormal voltage alarm, low battery power alarm
Refrigeration Type	Direct-cooling			
Refrigerant	R600a/32g	R290/85g	R290/85g	R404A/320g
Compressor	International famous brand compressor /1			Imported brand SECOP compressor/2
Condenser & Evaporator	Side-panel type Bundy tube condenser; wire-on-tube Bundy tube evaporator	Wire-on-tube Bundy tube condenser; Built-in coil type copper tube evaporator		Finned copper tube condenser; built-in coil type copper tube evaporator
Defrost	Manual defrost			
Construction	Polyurethane cyclopentane foam			
Material	Internal Material	HIPS	304 stainless steel	
	External Material	Precoated steel plate	Sprayed steel plate	
Door	Outer door: cyclopentane integral foam outer door*1 Interior door: /	Outer door: cyclopentane integral foam outer door*1 Interior door: optional		Outer door: sprayed steel plate outer door*1 Interior door: 304 stainless steel door*4
Consumption	100W	332W	312W	1000W
Power Supply	AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)			AC 220V, 50Hz (Standard); 220V, 60Hz; 110V, 50/60Hz(Optional)
Casters	No(Optional)	Yes		
Shelf	3(Drawer)	3	4	3
Standard Accessory	Test hole	Test hole, USB interface		Test hole
Optional Accessory	Temperature recorder, RS485, printer, USB interface, caster, power failure alarm	Temperature recorder, RS485, printer, inner door		Temperature recorder, liquid nitrogen backup system, remote alarm function interface, USB interface
Internal Size (W*D*H)	410*440*630mm	520*567*1013mm	520*567*1266mm	1000*700*1335mm
External Size (W*D*H)	600*620*870mm	690*744*1631mm	690*744*1885mm	1304*1000*2017mm
Package Size (W*D*H)	630*645*905mm	810*860*1820mm	840*860*2050mm	1355*1000*1980mm
Net Weight	37.5kg	115kg	123kg	378kg
Gross Weight	39.5kg	132kg	145kg	413kg

-25°C Freezer



BDF-25V368D



BDF-25V528D

Technical Parameters

Model	BDF-25V368D	BDF-25V528D
Capacity	368L	528L
Temp. Range	-10~25°C	
Temp. Accuracy	0.1°C	
Temp. Uniformity	≤3°C	
Temp. Stability	≤3°C	
Recovery Time (Recover to -22°C in an ambient temp. of 25°C)	≤15min	
Cooling Time (Cool down to -25°C in an ambient temp. of 25°C)	≤1.5h	
Control System	Microprocessor control	
Display	LED display	
Alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(72h)	
Refrigeration Type	Direct-cooling	
Refrigerant	Upper chamber: R290, 50g; Lower chamber: R290, 50g	Upper chamber: R290, 62g; Lower chamber: R290, 62g
Compressor	International famous brand compressor/2	
Condenser & Evaporator	Wire-on-tube Bundy tube condenser; built-in coil type copper tube evaporator	
Defrost	Manual defrost	
Construction	Polyurethane cyclopentane foam	
Material	Internal Material: 304 stainless steel External Material: Sprayed steel plate	
Door	Outer door: cyclopentane integral foam outer door*2 Inner door: optional	
Consumption	718W	821W
Power Supply	AC 220V, 50Hz(Standard); 220V, 60Hz, 110V, 60Hz(Optional, external transformer)	
Casters	Yes	
Shelf	4	
Standard Accessory	Test hole*2, USB interface, shelf	
Optional Accessory	RS485 interface, inner door, temperature recorder	
Internal Size (W*D*H)	Upper Chamber: 580*575*563mm Lower Chamber: 750*736*1884mm	720*649*563mm 890*810*1884mm
External Size(W*D*H)	750*736*1884mm	890*810*1884mm
Package Size(W*D*H)	890*880*2100mm	1030*950*2100mm
Net Weight	153kg	177kg
Gross Weight	168kg	200kg

-25°C Freezer



BDF-25H110



BDF-25H210



BDF-25H310

Technical Parameters

Model	BDF-25H110	BDF-25H210	BDF-25H310
Capacity	110L	210L	310L
Temp. Range	-10~25°C		
Temp. Accuracy	0.1°C		
Temp. Uniformity	≤3°C		
Temp. Stability	≤3°C		
Recovery Time (Recover to -22°C in an ambient temp. of 25°C)	≤5min		
Cooling Time (Cool down to -25°C in an ambient temp. of 25°C)	≤2h		
Control System	Microprocessor control		
Display	LED display		
Alarm	High and low temperature alarm, thermostat fault alarm, power failure alarm(48h)		
Refrigeration Type	Direct-cooling		
Refrigerant	R290/50g	R290/45g	R290/65g
Compressor	International famous brand compressor/1		
Condenser & Evaporator	Wire-on-tube Bundy tube condenser; built-in coil type copper tube evaporator		
Defrost	Manual defrost		
Construction	Polyurethane cyclopentane foam		
Material	Internal Material: 304 stainless steel External Material: Sprayed steel plate		
Door	Outer door: cyclopentane integral foam outer door*1 Inner door: /		
Consumption	270W	260W	345W
Power Supply	AC 220V, 50Hz(Standard); 220V, 60Hz, 110V, 60Hz(Optional, external transformer)		
Casters	Yes		
Shelf	/		
Standard Accessory	Test hole*1		
Optional Accessory	USB interface, RS485 interface, temperature recorder		
Internal Size (W*D*H)	520*460*600mm	760*540*600mm	1038*540*600mm
External Size (W*D*H)	705*705*885mm	945*785*885mm	1225*790*885mm
Package Size (W*D*H)	805*800*1015mm	1045*880*1015mm	1325*885*1015mm
Net Weight	58kg	68kg	76kg
Gross Weight	73kg	88kg	101kg

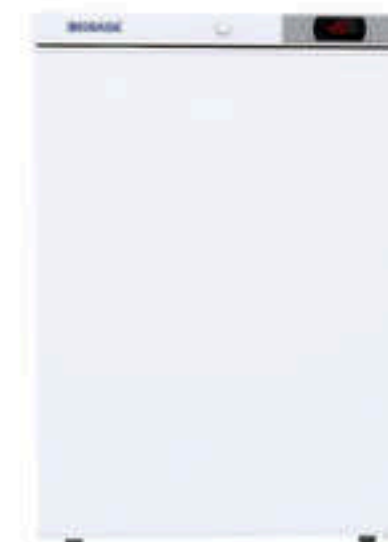
-30°C Freezer



Technical Parameters

Model	BDF-30V368D	BDF-30V528D
Capacity	368L	528L
Temp. Range	-10~-30°C	
Temp. Accuracy	0.1°C	
Temp. Uniformity	≤3°C	
Temp. Stability	≤3°C	
Recovery Time (Recover to -22°C in an ambient temp. of 25°C)	≤15min	
Cooling Time (Cool down to -25°C in an ambient temp. of 25°C)	≤1.5h	
Control System	Microprocessor control	
Display	LED display	
Alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(72h)	
Refrigeration Type	Direct-cooling	
Refrigerant	Upper chamber: R290, 50g; Lower chamber: R290, 50g Upper chamber: R290, 62g; Lower chamber: R290, 62g	
Compressor	International famous brand compressor/2	
Condenser & Evaporator	Wire-on-tube Bundy tube condenser; built-in coil type copper tube evaporator	
Defrost	Manual defrost	
Construction	Polyurethane cyclopentane foam	
Material	Internal Material	304 stainless steel
	External Material	Sprayed steel plate
Door	Outer door: cyclopentane integral foam outer door*2 Inner door: optional	
Consumption	718W	821W
Power Supply	AC 220V, 50Hz(Standard); 220V, 60Hz, 110V, 60Hz(Optional, external transformer)	
Casters	Yes	
Shelf	4	
Standard Accessory	Test hole*2, USB interface	
Optional Accessory	RS485 interface, inner door, temperature recorder	
Internal Size (W*D*H)	Upper Chamber: 580*575*563mm Lower Chamber:	720*649*563mm
External Size (W*D*H)	750*736*1884mm	890*810*1884mm
Package Size (W*D*H)	890*880*2100mm	1030*950*2100mm
Net Weight	153kg	177kg
Gross Weight	168kg	200kg

-40°C Freezer(Economic Type)



Technical Parameters

Model	BDF-40V100
Capacity	100L
Temp. Range	-20~-40°C
Temp. Accuracy	1°C
Temp. Uniformity	≤2°C
Temp. Stability	≤3°C
Control System	Microprocessor control
Display	LED
Alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm
Refrigeration Type	Direct-cooling
Refrigerant	R290/48g
Compressor	International famous brand compressor /1
Condenser & Evaporator	Bundy tube, side plate type; wire, tube type
Defrost	Manual defrost
Construction	Polyurethane cyclopentane foam
Material	Internal Material
	External Material
Door	1/Cyclopentane monolithic foam door
Consumption	110W
Power Supply	AC 220V, 50Hz(Standard); 220V, 60Hz, 110V, 60Hz(Optional, external transformer)
Casters	Roller*2+leveling foot*2
Adjustable Drawer	3
Standard Accessory	Test hole, shelf
Internal Size (W*D*H)	410*440*630mm
External Size (W*D*H)	600*620*870mm
Package Size (W*D*H)	640*660*1040mm
Net Weight	38kg
Gross Weight	49kg

-40℃ Freezer(Combined Refrigerator and Freezer)



BRF-40V368



BRF-40V318/450

Technical Parameters

Model	BRF-40V318	BRF-40V368	BRF-40V450
Capacity	Refrigerator 208L	183L	295L
	Freezer 110L	185L	155L
Temp. Range	Refrigerator 2~8℃		
	Freezer -10~-40℃		
Temp. Accuracy	0.1℃		
Temp. Uniformity	Refrigerator ≤2℃		
	Freezer ≤4℃		
Temp. Stability	Refrigerator ≤3℃		
	Freezer ≤4℃		
Recovery Time	≤15min(Recover to 8℃ in an ambient temp. of 32℃)		
Freezer	≤30min(Recover to -37℃ in an ambient temp. of 25℃)		
Cooling Time	≤80min(Cool down to 6℃ in an ambient temp. of 32℃)		
Freezer	≤3h(Recover to -40℃ in an ambient temp. of 25℃)		
Control System	Microprocessor control		

Model		BRF-40V318	BRF-40V368	BRF-40V450
Alarm		High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(72h)		
Refrigeration	Refrigerator	Air-cooling		
Type	Freezer	Direct-cooling		
Refrigerant	Refrigerator	R290/39g	R290/25g	R290/50g
	Freezer	R290/46g	R290/60g	R290/54g
Compressor		International famous brand compressor /2		
Condenser & Evaporator	Refrigerator	Wire-on-tube Bundy tube condenser; copper tube and aluminum fin evaporator	Wire-on-tube Bundy tube condenser; Bundy tube evaporator	Wire-on-tube Bundy tube condenser; copper tube aluminum fin evaporator
	Freezer	Wire-on-tube Bundy tube condenser; built-in coil type copper tube evaporator		
Defrost	Refrigerator	Automatic defrost		
	Freezer	Manual defrost		
Construction		Polyurethane cyclopentane foam		
Material	Refrigerator	304 stainless steel		
	Freezer	Sprayed steel plate		
Door	Outer door:	Outer door:	Outer door:	Outer door:
	Interior door:	Interior door:	Interior door:	Interior door:
Consumption		460W	627W	570W
Power Supply		AC 220V, 50Hz(Standard); 220V, 60Hz, 110V, 60Hz (Optional, external transformer)		AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)
Casters		Yes		
Shelf	Refrigerator	3		
	Freezer	1		
Standard Accessory		Test hole*2, USB interface		
Optional Accessory		Temperature recorder, RS485 interface		
Internal Size (W*D*H)	Refrigerator	590*495*746mm	580*575*563mm	590*675*746mm
	Freezer	520*467*460mm		520*647*460mm
External Size (W*D*H)		741*631*1889mm	750*736*1884mm	741*811*1889mm
Package Size (W*D*H)		880*770*2090mm	890*880*2100mm	880*950*2090mm
Net Weight		132kg	153kg	147kg
Gross Weight		178kg	169kg	200kg

-40°C Freezer



BDF-40V58



BDF-40V90



BDF-40V208



BDF-40V268

Technical Parameters

Model	BDF-40V58	BDF-40V90	BDF-40V208	BDF-40V268
Capacity	58L	90L	208L	268L
Temp. Range	-15~-40℃			
Temp. Accuracy	0.1℃			
Temp. Uniformity	≤4℃			
Temp. Stability	≤4℃			
Recovery Time (Recover to -37℃ in an ambient temp. of 25℃)	40min	≤15min	≤30min	
Cooling Time (Cool down to -40℃ in an ambient temp. of 25℃)	50min	≤1.5h	≤4h	
Control System	Microprocessor control			
Display	LED			
Alarm	High and low temperature alarm, thermostat fault alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(8h)		
Refrigeration Type	Direct-cooling			
Refrigerant	R404A/R23/150g	R290/43g	R290/75g	R290/75g
Compressor	International famous brand compressor /1			
Condenser & Evaporator	Finned copper tube condenser; built-in coil type copper tube evaporator	Wire-on-tube Bundy tube condenser; built-in coil type copper tube evaporator		
Defrost	Manual defrost			
Construction	Polyurethane cyclopentane foam			
Material	Internal Material	304 stainless steel		
	External Material	Sprayed steel plate		
Door	Outer door: sprayed steel plate outer door*1 Interior door: 304 stainless steel door*1	Outer door: sprayed steel plate outer door*1 Interior door: cold plate spray door*3	Outer door: sprayed steel plate outer door*1 Interior door: cold plate spray door*4	
Consumption	290W	252W	284W	286W
Power Supply	AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)	AC 220V, 50Hz(Standard); 220V, 60Hz, 110V, 60Hz (Optional, external transformer)	AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional, external transformer)	AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)
Casters	Yes			
Shelf	1	2	3	
Standard Accessory	Test hole, USB interface			
Optional Accessory	Temperature recorder, RS485	Temperature recorder, RS485, printer		
Internal Size(W*D*H)	364*405*410mm	440*447*640mm	520*453*1013mm	520*567*1013mm
External Size(W*D*H)	540*620*1115mm	600*610*945mm	690*630*1631mm	690*744*1631mm
Package Size(W*D*H)	Plywood case: 670*760*1290mm Honeycomb cardboard box: 590*785*1320mm	730*730*1140mm	840*750*1810mm	810*860*1820mm
Net Weight	58kg	63kg	112kg	115kg
Gross Weight	73kg	82kg	133kg	140kg

-40°C Freezer



BDF-40V362



BDF-40V398



BDF-40V450

Technical Parameters

Model	BDF-40V362	BDF-40V398	BDF-40V450
Capacity	362L	408L	450L
Temp. Range	-15~-40°C		
Temp. Accuracy	0.1°C		
Temp. Uniformity	≤4°C		
Temp. Stability	≤4°C		
Recovery Time (Recover to -37°C in an ambient temp. of 25°C)	≤30min	40min	≤30min
Cooling Time (Cool down to -40°C in an ambient temp. of 25°C)	≤4h	50min	≤4h
Control System	Microprocessor control		
Display	LED display		
Alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(8h)	High and low temperature alarm, thermostat fault alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(8h)
Refrigeration Type	Direct-cooling		
Refrigerant	R290/86g	R404A/R23/390g	R290/115g
Compressor	International famous brand compressor/1		
Condenser & Evaporator	Wire-on-tube Bundy tube condenser; built-in coil type copper tube evaporator	Finned copper tube condenser; built-in coil type copper tube evaporator	Wire-on-tube Bundy tube condenser; built-in coil type copper tube evaporator
Defrost	Manual defrost		
Construction	Polyurethane cyclopentane foam		
Material	Internal Material	304 stainless steel	
	External Material	Sprayed steel plate	
Door	Outer door: cyclopentane integral foam outer door*1 Inner door: cold plate spray door*5	Outer door: cyclopentane integral foam outer door*1 Inner door: 304 stainless steel door*4	Outer door: cyclopentane integral foam outer door*1 Inner door: cold plate spray door*5
Consumption	278W	700W	510W
Power Supply	AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)		AC 220V, 50Hz(Standard); 220V, 60Hz, 110V, 60Hz (Optional, external transformer)
Castors	Yes		
Shelf	4	3	4
Standard Accessory	Test hole, USB interface		
Optional Accessory	RS485 interface, printer	RS485 interface	RS485 interface, printer
Internal Size(W*D*H)	520*567*1266mm	610*615*1120mm	522*683*1266mm
External Size(W*D*H)	690*744*1885mm	850*900*1780mm	750*905*1885mm
Package Size(W*D*H)	840*860*2050mm	980*980*1930mm	855*1000*2080mm
Net Weight	130kg	188kg	147kg
Gross Weight	155kg	238kg	180kg

-40°C Freezer



BDF-40V608



BDF-40V708



BDF-40V808



BDF-40V936

Technical Parameters

Model	BDF-40V608	BDF-40V708	BDF-40V808	BDF-40V936
Capacity	608L	708L	808L	936L
Temp. Range	-15~-40°C			-25~-40°C
Temp. Accuracy	0.1°C			
Temp. Uniformity	≤4°C			≤5°C
Temp. Stability	≤4°C			≤5°C
Control System	Microprocessor control			
Display	LED display			
Alarm	High and low temperature alarm, sensor fault alarm			High and low temperature alarm, sensor fault alarm, thermostat fault alarm, power off alarm, door opening alarm, ambient temperature alarm, condenser fault alarm, filter check alarm, abnormal voltage alarm, low battery power alarm
Refrigeration Type	Direct-cooling			
Refrigerant	R404A/R23 480g	R404A/R23 490g	R404A/R23 520g	R404A/320g
Compressor	International famous brand compressor/2 (Dual independent refrigeration system)			
Condenser & Evaporator	Finned copper tube condenser; coiled copper tube evaporator			Finned copper tube condenser; direct expansion coil evaporator
Defrost	Manual defrost			
Construction	Polyurethane cyclopentane foam			
Material	Internal Material	304 stainless steel		
	External Material	Sprayed steel plate		
Door	Outer door: cyclopentane integral foam outer door*1 Inner door: 304 stainless steel door*4			Outer door: sprayed steel exterior door*1 Inner door: 304 stainless steel door*4
Consumption	800W	1000W	1050W	1000W
Power Supply	AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)			AC 220V, 50/60Hz (Standard); 110V, 50/60Hz(Optional)
Casters	Yes			
Shelf	3			
Standard Accessory	Test hole			
Optional Accessory	Temperature recorder			Remote alarm function interface, temperature recorder, liquid nitrogen backup system, USB interface
Internal Size (W*D*H)	750*715*1200mm	890*715*1200mm	850*725*1335mm	1000*700*1335mm
External Size (W*D*H)	990*1000*1880mm	1130*1030*1860mm	1090*1010*2000mm	1304*1000*2017mm
Package Size (W*D*H)	1120*1080*2010mm	1280*1080*2150mm	1280*1080*2150mm	1355*1000*1980mm
Net Weight	245kg	285kg	300kg	378kg
Gross Weight	288kg	345kg	370kg	413kg

-40°C Freezer



BDF-40V368D



BDF-40V528D

Technical Parameters

Model	BDF-40V368D	BDF-40V528D
Capacity	368L	528L
Temp. Range	-15~-40°C	
Temp. Accuracy	0.1°C	
Temp. Uniformity	≤4°C	
Temp. Stability	≤4°C	
Recovery Time (Recover to -37°C in an ambient temp. of 25°C)	≤30min	
Cooling Time (Cool down to -40°C in an ambient temp. of 25°C)	≤3h	
Control System	Microprocessor control	
Display	LED display	
Alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(72h)	
Refrigeration Type	Direct-cooling	
Refrigerant	Upper chamber: R290, 48g; Lower chamber: R290, 48g Upper chamber: R290, 63g; Lower chamber: R290, 63g	
Compressor	International famous brand compressor /2	
Condenser & Evaporator	Wire-on-tube Bundy tube condenser; built-in coil type copper tube evaporator	
Defrost	Manual defrost	
Construction	Polyurethane cyclopentane foam	
Material	Internal Material	304 stainless steel
	External Material	Sprayed steel plate
Door	Outer door: cyclopentane integral foam outer door*2 Inner door: sprayed steel plate door*4	
Consumption	861W	909W
Power Supply	AC 220V, 50Hz(Standard); 220V, 60Hz, 110V, 60Hz(Optional, external transformer)	AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)
Casters	Yes	
Shelf	4	
Standard Accessory	Test hole*2, USB interface	
Optional Accessory	Temperature recorder, RS485 interface, outer door lock	
Internal Size (W*D*H)	Upper Chamber: 580*575*563mm Lower Chamber:	720*649*563mm
External Size(W*D*H)	750*736*1884mm	890*810*1884mm
Package Size(W*D*H)	890*880*2100mm	1030*950*2100mm
Net Weight	153kg	177kg
Gross Weight	168kg	200kg

-40°C Freezer



BDF-40H110



BDF-40H210



BDF-40H310



BDF-40H485

Technical Parameters

Model	BDF-40H110	BDF-40H210	BDF-40H310	BDF-40H485
Capacity	110L	210L	308L	485L
Temp. Range	-15~-40℃			-20~-40℃
Temp. Accuracy	0.1℃			
Temp. Uniformity	≤3℃			
Temp. Stability	≤3℃			
Recovery Time (Recover to -37℃ in an ambient temp. of 25℃)	≤5min			
Cooling Time (Cool down to -40℃ in an ambient temp. of 25℃)	≤150min			≤195min
Control System	Microprocessor control			
Display	LED display			
Alarm	High and low temperature alarm, thermostat fault alarm, power failure alarm(48h)			High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(48h)
Refrigeration Type	Direct-cooling			
Refrigerant	R290/50g	R290/55g	R290/60g	
Compressor	International famous brand compressor /1			
Condenser & Evaporator	Wire-on-tube Bundy tube condenser; built-in coil type copper tube evaporator			
Defrost	Manual defrost			
Construction	Polyurethane cyclopentane foam			
Material	Internal Material	304 stainless steel		
	External Material	Sprayed steel plate		
Door	Outer door: cyclopentane integral foam outer door*1 Inner door: /			
Consumption	270W	280W	290W	300W
Power Supply	AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional, external transformer)			AC 220V, 50/60Hz(Standard); 110V, 50/60Hz(Optional, external transformer)
Casters	Yes			
Shelf	/			
Standard Accessory	Test hole			
Optional Accessory	Temperature recorder, RS485 interface, USB interface			Temperature recorder
Internal Size(W*D*H)	520*460*600mm	760*540*600mm	1038*540*600mm	1455*525*665mm
External Size(W*D*H)	705*705*885mm	945*785*885mm	1225*790*885mm	1667*863*949mm
Package Size(W*D*H)	805*800*1015mm	1045*880*1015mm	1325*885*1015mm	1775*900*1050mm
Net Weight	58kg	68kg	76kg	124kg
Gross Weight	73kg	88kg	101kg	138kg

-60°C Freezer



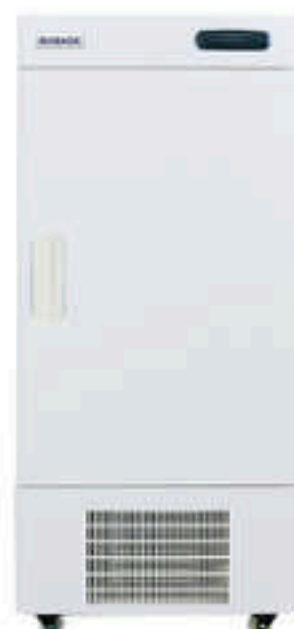
BDF-60V30



BDF-60V58



BDF-60V108



BDF-60V158



BDF-60V398

Technical Parameters

Model	BDF-60V30	BDF-60V58	BDF-60V108	BDF-60V158	BDF-60V398
Capacity	28L	58L	108L	158L	408L
Temp. Range	-25~-60℃				
Temp. Accuracy	0.1℃				
Temp. Uniformity	±2℃				
Temp. Stability	±2℃				
Control System	Microprocessor control				
Display	LED display				
Alarm	High and low temperature alarm, thermostat fault alarm				
Refrigeration Type	Direct-cooling				
Refrigerant	R404A/R23 110g	R404A/R23 130g	R404A/R23 220g	R404A/R23 240g	R404A/R23 380g
Compressor	International famous brand compressor /1				
Condenser & Evaporator	Copper tube aluminum fin condenser; cabinet-wrapped copper tube evaporator				
Defrost	Manual defrost				
Construction	Polyurethane cyclopentane foam				
Material	Internal Material	304 stainless steel			
	External Material	Sprayed steel plate			
Door	Outer door: sprayed steel plate outer door*1 Interior door: 304 stainless steel door*1		Outer door: sprayed steel plate outer door*1 Interior door: 304 stainless steel door*2	Outer door: sprayed steel plate outer door*1 Interior door: 304 stainless steel door*3	Outer door: sprayed steel plate outer door*1 Interior door: 304 stainless steel door*4
Consumption	370W	380W	400W	450W	800W
Power Supply	AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)				
Casters	Yes				
Shelf	1			2	3
Standard Accessory	Test hole				
Optional Accessory	Temperature recorder				
Internal Size (W*D*H)	270*265*400mm	364*405*410mm	460*460*510mm	460*455*800mm	610*615*1120mm
External Size (W*D*H)	505*520*1165mm	540*620*1115mm	700*730*1260mm	700*700*1580mm	850*900*1780mm
Package Size (W*D*H)	Plywood: 535*575*1290mm	Plywood: 670*760*1290mm	Plywood: 765*815*1395mm	Plywood: 760*790*1720mm	980*980*1930mm
	Honeycomb cardboard box: 595*640*1335mm	Honeycomb cardboard box: 590*785*1320mm	Honeycomb cardboard box: 790*850*1430mm	Honeycomb cardboard box: 790*820*1750mm	
Net Weight	71kg	78kg	107kg	123kg	188kg
Gross Weight	90kg	98kg	133kg	150kg	238kg

-60°C Freezer



Technical Parameters

Model	BDF-60V608	BDF-60V708	BDF-60V808	BDF-60V938
Capacity	608L	708L	808L	938L
Temp. Range	-25~-60°C			
Temp. Accuracy	0.1°C			
Temp. Uniformity	±4°C			
Temp. Stability	±4°C			
Control System	Microprocessor control			
Display	LED display			
Alarm	High and low temperature alarm, thermostat fault alarm			
Refrigeration Type	Direct-cooling			
Refrigerant	R404A/R23 480g	R404A/R23 520g	R404A/R23 580g	R404A/R23 610g
Compressor	International famous brand compressor /2(Dual independent refrigeration system)			
Condenser & Evaporator	Copper tube aluminum fin condenser; cabinet-wrapped copper tube evaporator			
Defrost	Manual defrost			
Construction	Polyurethane cyclopentane foam			
Material	Internal Material	304 stainless steel		
	External Material	Sprayed steel plate		
Door	Outer door: sprayed steel plate outer door*1 Interior door: 304 stainless steel door*4			
Consumption	900W	1050W	1100W	1100W
Power Supply	AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)			
Casters	Yes			
Shelf	3			
Standard Accessory	Test hole			
Optional Accessory	Temperature recorder			
Internal Size (W*D*H)	750*715*1200mm	890*715*1200mm	850*725*1335mm	1040*715*1320mm
External Size (W*D*H)	990*1030*1860mm	1130*1030*1860mm	1090*1010*2000mm	1280*1030*1980mm
Package Size (W*D*H)	1120*1080*2010mm	1280*1080*2150mm	1280*1080*2150mm	1410*1080*2130mm
Net Weight	245kg	285kg	300kg	320kg
Gross Weight	288kg	345kg	370kg	405kg

-60°C Freezer



Technical Parameters

Model	BDF-60H58	BDF-60H118A	BDF-60H218	BDF-60H318	BDF-60H458
Capacity	58L	120L	220L	320L	458L
Temp. Range	-10~60°C				
Temp. Accuracy	0.1°C				
Temp. Uniformity	±2°C			±4°C	
Temp. Stability	±2°C			±4°C	
Control System	Microprocessor control				
Display	LED display				
Alarm	High and low temperature alarm, thermostat fault alarm				
Refrigeration Type	Direct-cooling				
Refrigerant	R404A/R23 160g	R404A/R23 220g	R404A/R23 260g	R404A/R23 410g	R404A/R23 380g
Compressor	International famous brand compressor /1				
Condenser & Evaporator	Copper tube aluminum fin condenser; cabinet-wrapped copper tube evaporator				
Defrost	Manual defrost				
Construction	Polyurethane cyclopentane foam				
Material	Internal Material	304 stainless steel			
	External Material	Sprayed steel plate			
Door	Outer door: sprayed steel plate outer door*1				
	Interior door: /				
Consumption	350W	340W	400W	480W	520W
Power Supply	AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)				
Casters	Yes				
Shelf	/				
Standard Accessory	Test hole				
Optional Accessory	Temperature recorder				
Internal Size (W*D*H)	410*410*385mm	695*470*385mm	960*470*595mm	1330*470*595mm	1380*500*690mm
External Size (W*D*H)	670*765*1025mm	900*765*945mm	1160*765*885mm	1530*765*885mm	2115*895*1095mm
Package Size (W*D*H)	740*835*1195mm	1020*830*1075mm	1230*835*1055mm	1600*835*1055mm	2185*965*1260mm
Net Weight	83kg	88kg	106kg	126kg	207kg
Gross Weight	110kg	126kg	143kg	170kg	255kg

-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 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, 147g	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 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	380*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)	Plywood: 535*575*1290mm Honeycomb carton: 595*640*1335mm	730*860*1420mm	765*825*1350mm	Plywood: 765*815*1395mm Honeycomb carton: 790*850*1430mm
Net Weight	71kg	112kg	92kg	107kg
Gross Weight	90kg	146kg	134kg	133kg

-86°C Freezer(Undercounter Type)



Technical Parameters

Model	BDF-86V100
Capacity	90L
Temp. Range	-40~-86℃
Temp. Accuracy	0.1℃
Temp. Uniformity	±5℃
Temp. Stability	±6℃
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 /1
Condenser & Evaporator	Copper tube aluminum fin type condenser; copper coil type evaporator
Defrost	Manual defrost
Construction	Polyurethane foam layer + vacuum insulation board
Material	Internal Material: Galvanized steel powder spraying External Material: Galvanized steel powder spraying
Door	Outer door*1, inner door*2
Consumption	460W
Power Supply	AC 220V, 50Hz(Standard); 220V, 60Hz, 110V, 60Hz(Optional)
Casters	No
Shelf	1
Standard Accessory	Test hole, shelf, air pressure balance hole, USB
Optional Accessory	Chart temperature recorder, freezer rack and freezer box, liquid nitrogen backup system
Internal Size (W*D*H)	320*450*610mm
External Size (W*D*H)	795*680*815mm
Package Size (W*D*H)	850*740*953mm
Net Weight	92kg
Gross Weight	107kg

-86°C Freezer



Technical Parameters

Model	BDF-86V168	BDF-86V348
Capacity	168L	348L
Temp. Range	-40~-86℃	
Temp. Accuracy	0.1℃	
Temp. Uniformity	±4℃	
Temp. Stability	±6℃	
Recovery Time (Recover to -75℃ in an ambient temp. of 25℃)	≤15min	
Cooling Time (Cool down to -80℃ in an ambient temp. of 25℃)	≤4h	
Control System	Microprocessor control	
Display	LED	
Alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(72h)	
Refrigeration Type	Direct-cooling	
Refrigerant	R600a/R1150/R14, 137g	R600a/R1150/R14, 193g
Compressor	International famous brand compressor/1	
Condenser & Evaporator	Micro channel condenser; built-in coil type, copper pipe	Built-in coil type copper pipe; copper tube and aluminum fin
Defrost	Manual defrost	
Construction	Polyurethane cyclopentane foam	
Material	Internal Material: SUS304 stainless steel External Material: Sprayed steel plate	
Door	Outer door: cyclopentane monomer foam door*1 Inner door: cyclopentane monolithic foaming, stainless steel door*3	Outer door: cyclopentane monomer foam door*1 Inner door: cyclopentane monolithic foaming, stainless steel door*2
Consumption	650W Apparent power: 858VA	
Power Supply	AC220V, 50Hz (Standard); 220V, 60Hz, 110V, 60Hz (Optional, external transformer)	
Casters	Yes	
Shelf	2	3
Standard Accessory	Test port*2	
Optional Accessory	RS485 interface, USB interface, liquid nitrogen backup system, temperature recorder	
Internal Size(W*D*H)	465*455*820mm	490*612*1150mm
External Size(W*D*H)	844*807*1594mm	869*989*1924mm
Package Size(W*D*H)	1000*970*1790mm	1020*1180*2130mm
Net Weight	168kg	232kg
Gross Weight	221kg	300kg

-86°C Freezer



BDF-86V168T



BDF-86V348T

Technical Parameters

Model	BDF-86V168T	BDF-86V348T
Capacity	168L	348L
Temp. Range	-40~-86°C	
Temp. Accuracy	0.1°C	
Temp. Uniformity	±4°C	
Temp. Stability	±6°C	
Recovery Time (Recover to -75°C in an ambient temp. of 25°C)	≤30min	
Cooling Time (Cool down to -80°C in an ambient temp. of 25°C)	≤7h	
Control System	Microprocessor control	
Display	LCD	
Alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(72h)	
Refrigeration Type	Direct-cooling	
Refrigerant	R290/R170, 265g	R290/R170, 308g
Compressor	International famous brand compressor/2	
Condenser & Evaporator	Built-in coil type, copper pipe, copper tube and aluminum fin	
Defrost	Manual defrost	
Construction	Polyurethane cyclopentane foam	
Material	Internal Material: SUS304 stainless steel External Material: Sprayed steel plate	
Door	Outer door: cyclopentane monomer foam door*1 Inner door: cyclopentane monolithic foaming, stainless steel door*3	Outer door: cyclopentane monomer foam door*1 Inner door: cyclopentane monolithic foaming, stainless steel door*2
Consumption	830W Apparent power: 1386VA	915W Apparent power: 1386VA
Power Supply	AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)	
Casters	Yes	
Shelf	2	3
Standard Accessory	Test port*2, USB interface, RS485 interface	
Optional Accessory	Liquid nitrogen backup system, temperature recorder	
Internal Size(W*D*H)	465*455*820mm	490*612*1150mm
External Size(W*D*H)	844*807*1594mm	869*889*1924mm
Package Size(W*D*H)	1000*970*1790mm	1020*1180*2130mm
Net Weight	196kg	264kg
Gross Weight	253kg	332kg

-86°C Freezer



BDF-86V418T



BDF-86V608T

Technical Parameters

Model	BDF-86V418T	BDF-86V608T
Capacity	418L	608L
Temp. Range	-40~-86°C	
Temp. Accuracy	0.1°C	
Temp. Uniformity	±4°C	
Temp. Stability	±6°C	
Recovery Time (Recover to -75°C in an ambient temp. of 25°C)	≤45min	
Cooling Time (Cool down to -80°C in an ambient temp. of 25°C)	≤7h	
Control System	Microprocessor control	
Display	LCD	
Alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(72h)	
Refrigeration Type	Direct-cooling	
Refrigerant	R290/R170, 340g	R290/R170, 358g
Compressor	International famous brand compressor/2	
Condenser & Evaporator	Built-in coil type, copper pipe, copper tube and aluminum fin	
Defrost	Manual defrost	
Construction	Polyurethane cyclopentane foam	
Material	Internal Material: SUS304 stainless steel External Material: Sprayed steel plate	
Door	Outer door: cyclopentane monomer foam door*1 Inner door: cyclopentane monolithic foaming, stainless steel door*2	
Consumption	1070W Apparent power: 1870VA	1110W Apparent power: 1870VA
Power Supply	AC 220V, 50Hz(Standard); 110/220V, 60Hz(Optional)	
Casters	Yes	
Shelf	3	
Standard Accessory	Test port*2, USB interface, RS485 interface	
Optional Accessory	Liquid nitrogen backup system, temperature recorder	
Internal Size(W*D*H)	600*612*1150mm	620*755*1280mm
External Size(W*D*H)	980*988*1945mm	1000*1147*1996mm
Package Size(W*D*H)	1130*1170*2150mm	1150*1280*2210mm
Net Weight	315kg	360kg
Gross Weight	390kg	438kg

-86°C Freezer



Introduction:

The -86°C Freezer is specifically designed for the long-term preservation of highly temperature-sensitive samples. It maintains sample viability and stability at extremely low temperatures, widely used in biobanking, pharmaceutical research, clinical medicine, and food safety.

Features

- * The exterior is made of spray-coated cold-rolled steel plates, the interior is constructed with SUS304 stainless steel.
- * The 10.1-inch smart full-touch Android screen displays precision at 0.1°C.
- * Dual independent cooling systems ensure uninterrupted operation, if one system fails, the other continues to function normally. A single system can maintain long-term stable temperatures below -80°C.
- * Five-layer door seal design ensures more uniform temperature distribution and enhanced energy efficiency.
- * Featuring an integrated dual-lock design, it also includes electromagnetic locks, fingerprint locks, NFC, and other functions to ensure the security of stored items.
- * Equipped with smart IoT capabilities, it allows users to monitor the freezer's status anytime via a computer-based platform.

Technical Parameters

Model	BDF-86V6088D
Capacity	608L
Environment Temp.	10~32°C
Temp. Range	-40~-86°C
Temp. Accuracy	0.1°C
Temp. Uniformity	≤5°C
Temp. Stability	≤6°C
Control System	Electronic temperature control
Display	10.1-inch full-touch Android screen
Sensor Type	PT100
Alarm	High/low temperature alarm, power failure alarm(72-hour duration), door open alarm, internal sensor fault alarm, condenser sensor fault alarm, ambient temperature sensor fault alarm, condenser clogging alarm, high ambient temperature alarm, power board fault alarm, power supply overpressure alarm, low battery alarm, battery disconnection alarm, reverse battery connection alarm
Refrigeration Type	Direct-cooling
Refrigerant	R600a/R1150/R14 , 255g
Defrosting Method	Manual
Condenser & Evaporator	Condenser: finned; copper tube Evaporator: internal coil; copper tube
Shelf	3/Stainless steel
Noise	≤60dB(A)
Outer Door	1/Cyclopentane integral foaming
Inner Door	4/Cyclopentane integral foaming
Consumption	740W
Power Supply	Standard: 220V, 50Hz Optional: 220V, 60Hz; 110V, 60Hz
Caster	Universal casters*4 + leveling feet*2
Standard Accessory	RS485, USB port, test port*2(φ30mm), remote alarm
Inner Size(W*D*H)	620*755*1280mm
External Size(W*D*H)	1000*1147*1996mm
Package Size(W*D*H)	1150*1280*2210mm
Net Weight	308kg
Gross Weight	380kg

-86°C Freezer



Technical Parameters

Model	BDF-86V408D		BDF-86V588D		BDF-86V838D	
Capacity	408L		588L		838L	
Temp. Range	-40~86℃					
Temp. Accuracy	0.1℃					
Temp. Uniformity	≤4℃					
Temp. Stability	≤6℃				≤7℃	
Recovery Time (Recover to -75℃ in an ambient temp. of 25℃)	21min		16min		35min	
Cooling Time (Cool down to -80℃ in an ambient temp. of 25℃)	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



BDF-86V588



BDF-86V728



BDF-86V838

Technical Parameters

Model	BDF-86V588		BDF-86V728	BDF-86V838
Capacity	588L		728L	838L
Temp. Range	-40—86℃			
Temp. Accuracy	0.1℃			
Temp. Uniformity	≤4℃			
Temp. Stability	≤6℃			≤7℃
Recovery Time (Recover to -75℃ in an ambient temp. of 25℃)	48min		57min	40min
Cooling Time (Cool down to -80℃ in an ambient temp. of 25℃)	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, 65g		R290, 140g; R170, 76g	
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	1275*1170*2200mm
Net Weight	335kg		380kg	391kg
Gross Weight	400kg		400kg	424kg

-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, 162g	R600a/R1150/R14, 192g
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	540W	510W
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

-150°C Freezer

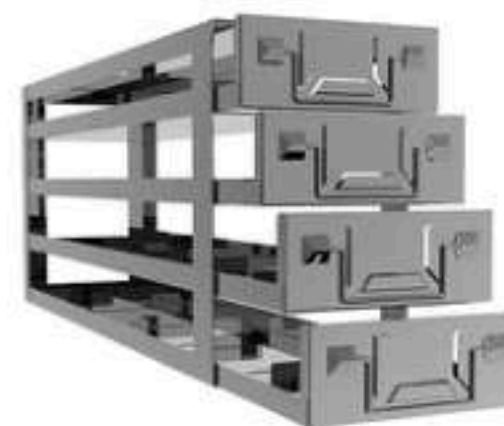


BDF-150H128

Technical Parameters

Model	BDF-150H128
Capacity	128L
Temperature Range	-40~150°C
Temp. Accuracy	0.1°C
Temp. Uniformity	≤5°C
Temp. Stability	≤0.1°C
Control System	Microprocessor control
Display	7-inch LCD touch screen
Alarm	High temperature alarm, low temperature alarm, abnormal power supply alarm, sensor fault alarm, filter check alarm, ring temperature alarm, condenser fault alarm
Refrigeration Type	Direct-cooling
Refrigerant	R4001
Compressor	Compressor of French origin/1
Condenser & Evaporator	copper tube finned condenser; copper tube coil 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: sprayed steel plate door*1 Inner door: XPS extruded polystyrene foam board door*2
Consumption	3125W
Power Supply	AC 220V,50/60Hz(Standard); 110V,50/60Hz(Optional)
Castors	Yes
Shelf	/
Standard Accessory	USB interface, remote alarm terminal, manometer, test port
Optional Accessory	Temperature recorder, liquid nitrogen backup system
Internal Size(W*D*H)	500*450*578mm
External Size(W*D*H)	1560*957*1178mm
Package Size(W*D*H)	1637*970*1383mm
Net Weight	245kg
Gross Weight	340kg

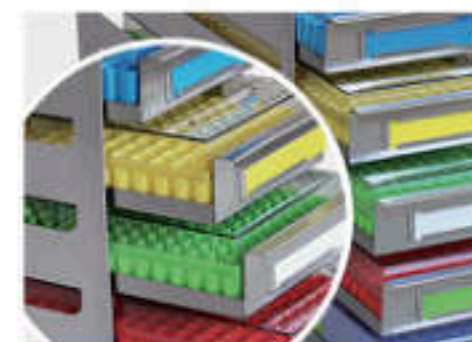
Freezer Racks



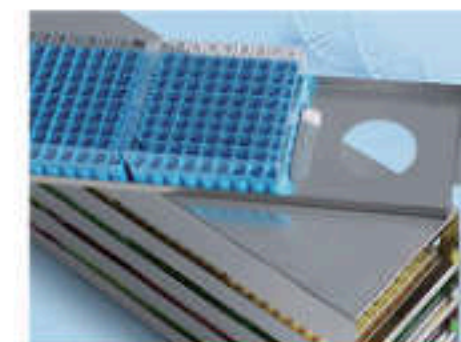
BK-LD4×4



Vertical Freezer Rack



Equipped with slots for easy sample labeling



Pull-out design for easy removal



Ergonomic round handle prevents hand strain during use



Equipped with insertion rods to prevent box falling

Freezer Racks

Features

- * Made of corrosion-resistant 304 stainless steel for repeated freeze-thaw and long-term storage of samples.
- * It can be used for sample storage in ultra-low temperatures.
- * It can withstand temperature range of -196°C to 800°C.
- * It is suitable for 1-inch and 2-inch freezer boxes.
- * It is suitable for most standard refrigerators and liquid nitrogen containers.
- * It can be customized.

Technical Parameters

Model	Specification	Material	Size W*D*H(mm)	Freezer Box Size(mm)	Freezer Tube
BK-LD6	6 layers	304 stainless steel	142*140*344	≤133*133*52	1.5~2ml
BK-LD8	8 layers	304 stainless steel	142*140*455	≤133*133*52	1.5~2ml
BK-LD10	10 layers	304 stainless steel	142*140*568	≤133*133*52	1.5~2ml
BK-LD4X3	4 layers and 3 columns	304 stainless steel	420*140*242	≤133*133*52	1.5~2ml
BK-LD4X4	4 layers and 4 columns	304 stainless steel	560*140*242	≤133*133*52	1.5~2ml
BK-LD5X3	5 layers and 3 columns	304 stainless steel	420*140*290	≤133*133*52	1.5~2ml
BK-LD5X4	5 layers and 4 columns	304 stainless steel	560*140*295	≤133*133*52	1.5~2ml
BK-LD5X5	5 layers and 5 columns	304 stainless steel	685*140*295	≤133*133*52	1.5~2ml
BK-LD6X2	6 layers and 2 columns	304 stainless steel	290*140*348	≤133*133*52	1.5~2ml
BK-LD6X3	6 layers and 3 columns	304 stainless steel	420*140*348	≤133*133*52	1.5~2ml
BK-LD7X5	7 layers and 5 columns	304 stainless steel	685*140*406	≤133*133*52	1.5~2ml

Compatible Freezer Models

Matching Model	Layer Count	Quantity Per Layer	Freezer Rack	Total Capacity
BDF-86H60	1	4	BK-LD6	4
BDF-86H128	1	6	BK-LD10	6
BDF-150H128	1	9	BK-LD10	9
BDF-150H138	1	12	BK-LD6	12
BDF-150H226	1	20	BK-LD6	20
BDF-86V58	1	2	BK-LD6X2	2
BDF-86V65	1	2	BK-LD5X3	2
BDF-86V65	1	2	BK-LD6X3	2
BDF-86V100	2	2	BK-LD5X3	4
BDF-86V108	2	3	BK-LD4X3	6
BDF-86V168/168T	3	3	BK-LD4X3	9
BDF-86V348/348T	4	3	BK-LD4X4	12
BDF-86V408D/418T	4	4	BK-LD4X4	16
BDF-86V588/588D /608T/608BD	4	4	BK-LD5X5	16
BDF-86V728	4	6	BK-LD5X4	24
BDF-86V838/838D	4	6	BK-LD5X5	24

Matching Model	Freezer Box Specification	Matching Freezer Box Size(mm)	Quantity of Freezer Boxes	Quantity of Samples (100-well freezer box)
BDF-86H60	2 inches	≤133*133*52	24	2400
BDF-86H128	2 inches	≤133*133*52	60	6000
BDF-150H128	2 inches	≤133*133*52	90	9000
BDF-150H138	2 inches	≤133*133*52	96	9600
BDF-150H226	2 inches	≤133*133*52	160	16000
BDF-86V58	2 inches	≤133*133*52	24	2400
BDF-86V65	2 inches	≤133*133*52	30	3000
BDF-86V65	2 inches	≤133*133*52	36	3600
BDF-86V100	2 inches	≤133*133*52	60	6000
BDF-86V108	2 inches	≤133*133*52	72	7200
BDF-86V168/168T	2 inches	≤133*133*52	108	10800
BDF-86V348/348T	2 inches	≤133*133*52	192	19200
BDF-86V408D/418T	2 inches	≤133*133*52	256	25600
BDF-86V588/588D /608T/608BD	2 inches	≤133*133*52	400	40000
BDF-86V728	2 inches	≤133*133*52	480	48000
BDF-86V838/838D	2 inches	≤133*133*52	600	60000

Platelet Incubator



BJPX-SP05



BJPX-SP08/SP18



BJPX-SP10



BJPX-SP38

Application:

Platelet incubator is widely used in blood transfusion departments, blood centers, blood stations and scientific research laboratories in hospitals, and is an important equipment to ensure the safety of blood for clinical use and the smooth conduct of scientific research experiments.

Features:

- * High quality cold plate hot spray shell, flat surface, inner liner mirror 304 stainless steel laser welding, easy to clean.
- * The tray adopts mould injection molding, which solves the storage safety of platelets.
- * Three-dimensional air duct design with circulating fan, so that the equipment inside the forced air cooling temperature circulation, to ensure the uniformity of internal temperature.
- * High quality AC servo motor, smooth work, low noise, long service life.
- * Double-layer electric heating tempered glass door, good temperature insulation effect, effectively avoid the observation window fog, keep the box temperature constant for a long time.
- * The bottom is equipped with casters and support foot, easy to move, can adjust the level. (Not applicable to BJPX-SP05)
- * Using real-time digital signal monitoring, micro-processing PID control, information processing is fast.

Technical Parameters:

Model	BJPX-SP05	BJPX-SP08	BJPX-SP10	BJPX-SP18	BJPX-SP36
Display	7-inch LCD touch screen				
Temperature Control Range	22.0±2.0℃				
Temperature Display Resolution	0.1℃				
Temperature Fluctuation	±1.0℃				
Temperature Uniformity	±2.0℃				
Mode of Oscillation	Continuous left and right reciprocation, horizontal oscillation				
Refrigerant	R134a, CFC free				
Defrost	Automatic defrost				
Alarm	Ultra-high and ultra-low temperature alarm, Oscillation device(motor) failure, Long-term door open alarm				
Oscillation Frequency	60±5 times/min				
Oscillation Amplitude	50±5mm				
Ambient Temperature	5~35℃				
Bags(200ml)	1~10	1~16	1~20	1~36	1~72
Material	External Material: Cold plate thermal spraying Internal Material: 304 stainless steel				
Consumption	1200W	950W	1300W	950W	1500W
Power Supply	AC220V, 50/60Hz (Standard); 110V, 50/60Hz (Optional, external transformer)	AC220V, 50/60Hz(Standard); 110V, 50/60Hz(Optional)			AC220V, 50/60Hz (Standard); 110V, 50/60Hz (Optional, external transformer)
Standard Accessory	USB interface, LED lamp, UV lamp				
Optional Accessory	Printer				
Internal Size(W*D*H)	500*310*460mm	485*310*569mm	498*450*576mm	500*337*970mm	1018*343*895mm
External Size(W*D*H)	832*610*660mm	632*600*1225mm	645*730*1225mm	632*620*1600mm	1140*612*1600mm
Package Size(W*D*H)	930*710*810mm	740*853*1360mm	740*853*1375mm	726*706*1755mm	1235*706*1755mm
Net Weight	80kg	110kg	138kg	135kg	215kg
Gross Weight	95kg	132kg	160kg	160kg	255kg

Freeze Dryer



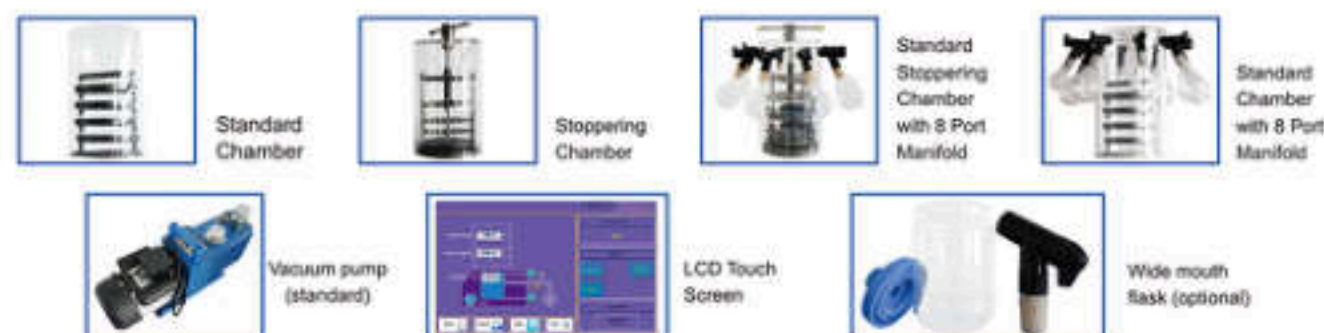
Introduction

Vacuum freeze-drying technology is also known as sublimation drying. The principle is to freeze a sample containing water in advance, and then sublimate its moisture under vacuum. The original biological, chemical and physical properties of the freeze-dried samples remain basically the same, and they are easy to be stored for a long time. After adding water, the samples can be restored to the state before freeze-drying, and their original biochemical characteristics can be maintained. Therefore, freeze-drying technology is widely used in medicine, food, chemical, biological products and other fields.

Features

- * Compressor, energy saving and high efficiency, low noise, long life.
- * Vacuum pump, small volume, pumping speed, low noise, can achieve higher vacuum.
- * Integrated design, compact structure, easy to use.
- * Environmentally friendly refrigerant, ODP=0.
- * With defrosting function, safe and reliable.
- * The cold trap and operating table are made of stainless steel, corrosion resistant and easy to clean.
- * The transparent cover of the drying chamber is made of aviation acrylic material, with high strength and no bonding.
- * Large cold trap opening size, with pre-freezing function, no need for low temperature refrigerator.
- * Professional gas diversion technology, high freeze-drying efficiency, and uniform ice capture.

Accessories



Technical Parameters

Model	BK-FD10S	BK-FD10P	BK-FD10T	BK-FD10PT
Type	Standard chamber	Standard chamber with 8 port manifold	Stoppering chamber	Stoppering chamber with 8 port manifold
Freeze Drying Area	0.12m ²		0.08m ²	
Tray	4 pcs		3 pcs	
Height Between Trays	50mm		/	
Cold Trap Temperature	≤-60℃(No load)(-80℃ optional)			
Cold Trap Capacity	6L			
Cold Trap Size (Diameter*H)	Φ219*140mm			
Vacuum Degree	≤5 Pa			
Water Capture Capacity	3-4L/24h			
Tray Size (D*H)	Φ200*20mm		Φ180*20mm	
Freeze Drying Time	24~36h			
Loading Capacity/Shelf (Liquid)	1.2L		0.8L	
Total Loading Capacity (Liquid)	2.4L		1.6L	
Drying Chamber Size (Diameter*H)	Φ260*420mm	Φ260*465mm		
Total Qty. Of Vial Φ22	/	/	147	147
Total Qty. Of Vial Φ16	/	/	297	297
Total Qty. Of Vial Φ12	/	/	492	492
Refrigerant	-60℃: R600a, R23 -80℃: R404a, R23			
Cooling System	Standard: Air cooling			
Power Supply	Standard: 220V 50Hz Optional: 220V, 60Hz,110V, 60Hz			
Power Consumption	1300W			
Standard Accessory	Vacuum pump 2L/S, Material tray*4(Material tray*3 for T/PT), Drying rack*1, Cover*1, Acrylic bucket*1(all models) Conical-mouth flask100ml*2pcs, 200ml*2pcs, 250ml*2pcs, 500ml*2pcs, Switch valve*8 pcs (only for model BK-FD10P/PT), USB port			
Optional Function & Accessory	Equipment moving frame, vacuum pump of other specifications, oil mist filter, automatic air intake function, automatic water drainage function, and other customization(for all models) 600ml/1200ml wide-mouth flask(for BK-FD10P/PT) Tray*2(for BK-FD10S/P)			
External Size (W*D*H), mm	640*610*550			
Package Size	Main Body	735*720*760mm		
(W*D*H),mm	Accessory	720*605*560mm		
Gross Weight(kg)	Main Body	-60℃: 80kg -80℃: 98kg		
	Accessory	45kg	49kg	54kg
				56kg

Vertical Freeze Dryer



Technical Parameters

Model	BK-FD12S	BK-FD12P	BK-FD12T	BK-FD12PT
Type	Standard chamber	Standard chamber with 8 port manifold	Stoppering chamber	Stoppering chamber with 8 port manifold
Freeze Drying Area	0.12m ²		0.08m ²	
Tray	4 pcs		3 pcs	
Height Between Trays	50mm		/	
Cold Trap Temperature	≤-60℃(No load)(-80℃ optional)			
Cold Trap Capacity	9L			
Cold Trap Size (Diameter*H)	Φ219*240mm			
Vacuum Degree	≤5 Pa			
Water Capture Capacity	3-4L/24h			
Tray Size (D*H)	Φ200*20mm		Φ180*20mm	
Freeze Drying Time	24~36h			
Loading Capacity/Shelf (Liquid)	1.2L		0.8L	
Total Loading Capacity (Liquid)	2.4L		1.6L	
Drying Chamber Size (Diameter*H)	Φ260*420mm	Φ260*465mm		
Total Qty. Of Vial Φ22	/	/	147	147
Total Qty. Of Vial Φ16	/	/	297	297
Total Qty. Of Vial Φ12	/	/	492	492
Refrigerant	-60℃: R600a, R23 -80℃: R404a, R23			
Cooling System	Standard: Air cooling Optional: Water cooling			
Power Supply	Standard: 220V 50Hz Optional: 220V, 60Hz, 110V, 60Hz			
Power Consumption	1400W			
Standard Accessory	Vacuum pump 2L/S, Material tray*4(Material tray*3 for T/PT), Drying rack*1, Cover*1, Acrylic bucket*1(all models)			
	Conical-mouth flask 100ml*2pcs, 200ml*2pcs, 250ml*2pcs, 500ml*2pcs, Switch valve*8 pcs (only for model BK-FD12P/PT), USB port			
Optional Function & Accessory	Equipment moving frame, vacuum pump of other specifications, oil mist filter, automatic air intake function, automatic water drainage function, and other customization(for all models) 600ml/1200ml wide-mouth flask(for BK-FD12P/PT) Tray*2(for BK-FD10S/P)			
External Size (W*D*H), mm	520*625*865mm			
Package Size (W*D*H),mm	Main Body	665*765*1140mm		
	Accessory	720*805*560mm		
Gross Weight(kg)	-60℃: 95kg			
	-80℃: 114kg			
	45kg	49kg	54kg	56kg



Technical Parameters

Model	BK-FD18S	BK-FD18P	BK-FD18T	BK-FD18PT
Type	Standard chamber	Standard chamber with 8 port manifold	Stoppering chamber	Stoppering chamber with 8 port manifold
Freeze Drying Area	0.18m ²		0.09m ²	
Tray	4 pcs		3 pcs	
Height Between Trays	80mm		/	
Cold Trap Temperature	≤-60℃(No load)(-80℃ -110℃optional)			
Cold Trap Capacity	28L			
Cold Trap Size (Diameter*H)	Φ300*410mm			
Vacuum Degree	≤5 Pa			
Water Capture Capacity	6L/24h			
Tray Size (D*H)	Φ240*20mm		Φ200*20mm	
Freeze Drying Time	24~36h			
Loading Capacity/Shelf (Liquid)	1.8L		0.9L	
Total Loading Capacity (Liquid)	3.6L		1.8L	
Drying Chamber Size (Diameter*H)	Φ300*445mm	Φ300*465mm		
Total Qty. Of Vial Φ22	/	/	183	183
Total Qty. Of Vial Φ16	/	/	345	345
Total Qty. Of Vial Φ12	/	/	615	615
Refrigerant	-60℃: R600a, R23 -80℃: R404a, R23			
Cooling System	Standard: Air cooling Optional: Water cooling			
Power Supply	Standard: 220V 50Hz Optional: 220V, 60Hz, 110V, 60Hz			
Power Consumption	1800W			
Standard Accessory	Vacuum pump 4L/S, Material tray*4(Material tray*3 for T/PT), Drying rack*1, Cover*1, Acrylic bucket*1(all models) Conical-mouth flask 100ml*2pcs, 200ml*2pcs, 250ml*2pcs, 500ml*2pcs, Switch valve*8 pcs (only for model BK-FD18P/PT), USB port			
Optional Function & Accessory	Equipment moving frame, vacuum pump of other specifications, oil mist filter, automatic air intake function, automatic water drainage function, and other customization(for all models) 600ml/1200ml wide-mouth flask(for BK-FD18P/PT) Tray*2(for BK-FD10S/P)			
External Size (W*D*H), mm	545*686*938			
Package Size (W*D*H),mm	Main Body	835*680*1230mm		
	Accessory	725*665*705mm		
Gross Weight(kg)	Main Body	-60℃: 118kg -80℃: 136kg		
	Accessory	52kg	54kg	60kg
				62kg

Pilot Freeze Dryer



BK-FD20S



BK-FD20T



BK-FD30S



BK-FD30T

Technical Parameters

Model	BK-FD20S(Standard)	BK-FD20T(Stoppering)	BK-FD30S(Standard)	BK-FD30T(Stoppering)
Freeze Drying Area	0.3m ²	0.2m ²	0.4m ²	0.3m ²
Shelf Temperature	-55℃~+70℃(no-loading)			
Cold Trap Temperature	<-80℃(no-loading)			
Vacuum Degree	≤1Pa(no-loading)			
Water Capture Capacity	≥6		≥8	
Cold Trap Volume	14L	/		26L
Cold Trap Size (Diameter*H)	Φ200*460mm	/		Φ320*520mm
Drying Chamber Size (W*D*H)	330*325*470mm	340*500*420mm		480*380*540mm
Shelf & Tray Size(W*D*H)	Shelf: 400*270*18mm Tray: 395*265*25mm	Shelf: 300*340*18mm Tray: 295*335*25mm		
Qty. Of Shelf & Tray	Shelf: 3+1, Tray: 3	Shelf: 2+1, Tray: 2	Shelf: 4+1, Tray: 4	Shelf: 3+1, Tray: 3
Sample Loading Capacity (Liquid)	3L	2L	4L	3L
Height Between Trays	70mm	100mm	50mm	70mm
Tray Temperature Difference	±1℃			
Refrigerant	R404A + R23			
Condenser Cooling Mode	Air cooling			
Defrost Mode	Electric defrosting		Natural defrosting (option electric defrosting)	Electric defrosting
Stoppering Mode	/		automatic	automatic
Total Qty. Of Vial	Φ22mm	/	440	/
	Φ16mm	/	868	/
	Φ12mm	/	1554	/
Vacuum Pump	4L/S(14.4m ³ /h)		6L/S(22m ³ /h)	
Electric Defrosting Consumption	800W	800W	/	1000W
Silicone Oil Heating Rods Consumption	800W	800W	1000W	1000W
Hydraulic Pressure Station Consumption	/	500W	/	1000W
Total Consumption	3KW	4KW	4.5KW	5.5KW
Power Supply	AC220V, 50Hz/60Hz (single phase)			
Main Body Weight	300kg		400kg	
External Size(W*D*H) mm	1033*781*1580mm	1033*781*1580mm	928*825*1366mm	1272*853*1679mm
Packing Size(W*D*H)	Main Body	1150*900*1780mm /400kg	1155*900*1905 mm /400kg	1050*945*1570mm /450kg
/Gross Weight	Vacuum Pump	950*420*500mm (37kg)	790*340*460mm (57kg)	790*300*470mm (52kg)

Optional: Import vacuum pump, Vacuum pump anti-return valve, Eutectic point tester, Oil mist filtration system, Vacuum adjustment device
Standard: USB port



BK-FD50S



BK-FD50T



BK-FD100S



BK-FD100T

Technical Parameters

Model	BK-FD50S(Standard)	BK-FD50T(Stoppering)	BK-FD100S(Standard)	BK-FD100T(Stoppering)
Freeze Drying Area	0.7m ²	0.5m ²	1.03m ²	1.15m ²
Shelf Temperature	-55℃~+70℃(no-loading)			
Cold Trap Temperature	<-80℃(no-loading)			
Vacuum Degree	≤1 Pa(no-loading)			
Water Capture Capacity	≥10kg		≥15kg	
Cold Trap Volume	/	70L	/	
Cold Trap Size (Diameter*H)	/	Φ400*560mm	/	
Drying Chamber Size (W*D*H)	410*510*590 mm	620*510*580mm	410*580*520mm	700*590*760mm
Shelf: 480*360*18mm	Shelf: 410*410*18mm	Shelf: 480*360*18mm	Shelf: 480*500*18mm	
Tray: 475*355*25mm	Tray: 405*405*25mm	Tray: 475*355*25mm	Tray: 475*595*25mm	
Shelf: 4+1, Tray: 4	Shelf: 3+1, Tray: 3	Shelf: 6+1, Tray: 6	Shelf: 4+1, Tray: 4	
7L	5L	10L	11L	
50mm/70mm(Optional)	100mm	70mm	100mm	
±1℃				
R404A + R23				
Air cooling				
Natural defrosting (option electric defrosting)	Electric defrosting	Electric defrosting	Electric defrosting	Electric defrosting
/	automatic	/	automatic	
/	1050	/	2460	
/	2058	/	4788	
/	3075	/	8624	
8L/S(29m ³ /h)	15L/S(54m ³ /h)			
/	1000W	1500W		
1000W	1600W			
/	1000W	/	1500W	
5.5KW	6.5KW	6.5KW	7.5KW	
AC380V, 50Hz/60Hz (three phase) BK-FD50S.AC220V, 50Hz/60Hz (single phase)				
600kg	800kg	700kg	1000kg	
1008*823*1420mm	1405*911*1983mm	1190*876*1727mm	1823*1144*2014mm	
1130*950*1620mm /700kg	1530*1030*2190mm /900kg	1310*1000*1930mm /850kg	1940*1270*2220mm /1200kg	
790*330*445mm (73kg)	830*370*600mm (88kg)	785*455*300mm (95kg)	800*500*500mm (70kg)	

Optional: Import vacuum pump, Vacuum pump anti-return valve, Eutectic point tester, Oil mist filtration system, Vacuum adjustment device
Standard: USB port

Blood Transport Box



Applications:

There is a cooling and heating system in the working room of the blood transport box, and the fan drives the hot and cold air in the working room, which is evenly distributed around the working room to keep the temperature in the box constant. Putting the thawed blood flat into the working room solves the problem of safe storage of blood in emergency transportation.

Features

- * The polyurethane foam insulation layer provides excellent thermal retention, effectively blocking heat exchange.
- * Multiple power supply options (AC110/220V for indoor use/DC12V for transport) solve power challenges.
- * The PP+PE injection-molded unibody shell has a smooth, matte-textured, wear-resistant and easy-to-clean surface.
- * Real-time digital signal monitoring and microprocessor PID control enable rapid data processing.
- * Features microprocessor-controlled semiconductor cooling/heating with manual adjustment and automatic temperature regulation.

Technical Parameters

Model	BJPX-PZ8	BJPX-PZ12	BJPX-PZ15	BJPX-PZ19	BJPX-PZ30
Display	LED display				
Capacity	8L	12L	15L	19L	30L
Temp. Control Range	4±2℃				
Temp. Resolution	±1℃				
Temp. Fluctuation	±1℃				
Temp. Uniformity	±1℃				
Ambient Temp.	16~32℃				
Heating Power	50W	60W		80W	
Cooling Power	55W	70W		80W	
Power Supply	AC 110/220V, 50/60Hz or DC12				
External Size(W*D*H)	390*215*275mm	410*290*290 mm	410*290*315mm	465*315*340 mm	610*325*420mm
Package Size(W*D*H)	435*263*325mm	465*330*323mm	470*343*365mm	502*360*390mm	675*380*474mm
Net Weight	3kg	5kg	6kg	7kg	8kg
Gross Weight	4kg	6kg	7kg	8kg	9kg

Note: All data measured under ambient temperature of 20℃ and relative humidity ≤85%.

Portable Refrigerator



Technical Parameters

Model	BJPX-L5	BJPX-L6	BJPX-L8	BJPX-L12	BJPX-L15
Capacity	5L	6L	8L	12L	15L
Internal & External Materials	PP+PE				
Insulation Material	PU				
Temp. Resolution	0.1℃				
Manufacturing Process	Blow molding + injection molding, burr-free surface				
Cooling Source Material	Sodium polyacrylate				
Cooling Retention Time	Maintains an internal temperature of 2~8℃ for over 24 hours at an ambient temperature up to 43℃				
Configuration	Refrigerator*1, phase-change ice box(400ml)*4, digital thermometer*1	Refrigerator*1, phase-change ice box(400ml)*4, digital thermometer*1, shoulder strap*1	Refrigerator*1, phase-change ice box(400ml)*4, digital thermometer*1	Refrigerator*1, phase-change ice box (400ml)*6, digital thermometer*1, shoulder strap*1, tray*1	
Internal Size(W*D*H)	200*142*165mm	240*145*180mm	295*167*168mm	325*170*225mm	363*203*244mm
External Size(W*D*H)	266*215*225mm	330*235*275mm	335*225*205mm	425*262*305mm	
Package Size(W*D*H)	380*270*300mm	380*270*300mm	380*270*300mm	460*355*360mm	
Net Weight	1.2kg	2.25kg	2kg	3.5kg	3.7kg
Gross Weight	1.7kg	2.8kg	2.4kg	4kg	4.3kg

Model	BJPX-L20	BJPX-L33	BJPX-L55	BJPX-L65	BJPX-L85
Capacity	20L	33L	55L	65L	85L
Internal & External Materials	PP+PE				
Insulation Material	PU				
Temp. Resolution	0.1℃				
Manufacturing Process	Blow molding + injection molding, burr-free surface				
Cooling Source Material	Sodium polyacrylate				
Cooling Retention Time	Maintains an internal temperature of 2~8℃ for over 24 hours at an ambient temperature up to 43℃				
Configuration	Refrigerator*1, phase-change ice box(400ml)*9, digital thermometer*1, shoulder strap*1, tray*1, divider panel*1	Refrigerator*1, phase-change ice box (400ml)*12, digital thermometer*1		Refrigerator*1, phase-change ice box (400ml)*15, digital thermometer*1	
Internal Size(W*D*H)	380*245*230mm	480*250*290mm	590*335*320mm	540*425*315mm	580*465*320mm
External Size(W*D*H)	450*330*300mm	570*310*360mm	640*395*395mm	620*485*375mm	640*520*375mm
Package Size(W*D*H)	490*360*340mm	585*325*390mm	670*430*430mm	640*505*395mm	650*540*400mm
Net Weight	3.8kg	4.5kg	6.3kg	7.3kg	8kg
Gross Weight	4.5kg	5.25kg	7.3kg	8kg	9.3kg

Note:

It is suitable for low-temperature refrigeration of vaccines, biological products, low-temperature drugs, blood products, reagents, and specimens. Dimensions apply to the main compartment only. All data measured under ambient temperature of 25℃ and relative humidity ≤85%.

Biosafety Transport Box



BTB-L5



BTB-L6



BTB-L8



BTB-L12/BTB-L15

Technical Parameters:

Model	BTB-L5	BTB-L6	BTB-L8	BTB-L12	BTB-L15
Capacity	5L	6L	8L	12L	15L
Internal & External Materials	PP+PE				
Insulation Material	PU				
Temp. Resolution	0.1℃				
Manufacturing Process	Blow molding + injection molding, burr-free surface				
Cooling Source Material	Sodium polyacrylate				
Cooling Retention Time	Maintains an internal temperature of 2~8℃ for over 24 hours at an ambient temperature up to 43℃				
Sponge Test Tube Holder	Standard: 20 holes, compatible with 10ml test tubes Optional: 11 holes, compatible with 20ml test tubes				
Configuration	Box*1, phase-change ice box(250ml) *2, absorbent cotton*1, digital thermometer*1, sponge test tube holder*1, 95KPa biosafety transport tank*1	Box*1, phase-change ice box(400ml) *4, absorbent cotton*1, shoulder strap *1,digital thermometer*1, sponge test tube holder*1	Box*1, phase-change ice box(400ml)*4, absorbent cotton*2, digital thermometer*1, sponge test tube holder*2, 95KPa biosafety transport tank*2	Box*1, phase-change ice box(400ml) *6, absorbent cotton*2, shoulder strap*1, tray*1, digital thermometer*1, sponge test tube holder*2, 95KPa biosafety transport tank*2	Box*1, phase-change ice box(400ml)*6, absorbent cotton*3, shoulder strap*1, tray*1, digital thermometer*1, sponge test tube holder*3, 95KPa biosafety transport tank*3
Internal Size(W*D*H)	200*142*165mm	240*145*180mm	295*167*168mm	325*170*225mm	363*203*244mm
External Size(W*D*H)	266*215*225mm	330*235*275mm	335*225*205mm	425*262*305mm	
Package Size(W*D*H)	380*270*300mm	380*270*300mm	380*270*300mm	460*355*360mm	460*355*360mm
Net Weight	2kg	2.5kg	2.2kg	4kg	4.3kg
Gross Weight	2.4kg	3.2kg	2.9kg	4.5kg	4.8kg



BTB-L20



BTB-L33



BTB-L55



BTB-L65/BTB-L85

Technical Parameters:

Model	BTB-L20	BTB-L33	BTB-L55	BTB-L65	BTB-L85
Capacity	20L	33L	55L	65L	85L
Internal & External Materials	PP+PE				
Insulation Material	PU				
Temp. Resolution	0.1℃				
Manufacturing Process	Blow molding + injection molding, burr-free surface				
Cooling Source Material	Sodium polyacrylate				
Cooling Retention Time	Maintains an internal temperature of 2~8℃ for over 24 hours at an ambient temperature up to 43℃				
Sponge Test Tube Holder	Standard: 20 holes, compatible with 10ml test tubes Optional: 11 holes, compatible with 20ml test tubes				
Configuration	Box*1, phase-change ice box(400ml)*9, shoulder strap*1, absorbent cotton*4, digital thermometer*1, tray*1, divider panel*1, sponge test tube holder*4, 95KPa biosafety transport tank*4	Box*1, phase-change ice box(400ml) *11, absorbent cotton*5, digital thermometer*1, sponge test tube holder*5, 95KPa biosafety transport tank*5	Box*1, phase-change ice box(400ml) *11, absorbent cotton*8, digital thermometer*1, sponge test tube holder*8, 95KPa biosafety transport tank*8	Box*1, phase-change ice box(400ml) *15, absorbent cotton*12, digital thermometer*1, sponge test tube holder*12, 95KPa biosafety transport tank*12	Box*1, phase-change ice box(400ml) *15, absorbent cotton*20, digital thermometer*1, sponge test tube holder*20, 95KPa biosafety transport tank*20
Internal Size(W*D*H)	380*245*230mm	480*250*290mm	590*335*320mm	540*425*315mm	580*465*320mm
External Size(W*D*H)	450*330*300mm	570*310*360mm	640*395*395mm	620*485*375mm	640*520*375mm
Package Size(W*D*H)	490*360*340mm	585*325*390mm	670*430*430mm	640*505*395mm	650*540*400mm
Net Weight	4.8kg	5.5kg	8.3kg	9.8kg	13kg
Gross Weight	5.5kg	6.5kg	9.3kg	11kg	14.3kg

Chromatography Refrigerator



BSR-5V450



BSR-5V1000

Technical Parameters

Model	BSR-5V450	BSR-5V1000
Capacity	450L	1000L
Temp. Range	2~8℃	
Temp. Accuracy	0.1℃	
Temp. Uniformity	≤2℃	
Temp. Stability	≤3℃	
Recovery Time (Recover to 8℃ in an ambient temp. of 32℃)	≤15min	
Cooling Time (Cool down to 8℃ in an ambient temp. of 32℃)	≤70min	≤100min
Control System	Microprocessor control	
Display	LED display	
Alarm	High and low temperature alarm, thermostat fault alarm, door switch alarm, power failure alarm(8h)	
Refrigeration Type	Air-cooling	
Refrigerant	R290/97g	R290/150g
Compressor	International famous brand compressor/1	
Condenser & Evaporator	Wire-on-tube Bundy tube condenser; copper tube and aluminum fin evaporator	
Defrost	Automatic defrost	
Construction	Polyurethane cyclopentane foam	
Material	Internal Material: Sprayed steel plate	
Door	Electrically heated glass door*1	Electrically heated glass door*2
Consumption	220W	300W
Power Supply	AC 220V, 50Hz(Standard); 220V, 60Hz, 110V, 60Hz(Optional)	
Casters	Yes	
Shelf	1	6
Standard Accessory	Test hole, USB interface	
Optional Accessory	RS485 interface, printer, temperature recorder	
Internal Size (W*D*H)	580*613*1325mm	1100*684*1325mm
External Size (W*D*H)	680*747*1885mm	1220*860*1885mm
Package Size (W*D*H)	830*880*2050mm	1340*980*2100mm
Net Weight	135kg	212kg
Gross Weight	158kg	256kg

Flake Ice Maker



Introduction

Flake ice maker is a device that condenses water into ice and then uses a motor to crush the ice. The produced irregular crushed ice can be applied in the catering industry, medical field, food storage, and other areas.

Features

- * Equipped with a high-quality and efficient compressor. Uses environmentally friendly refrigerant with an Ozone Depletion Potential (ODP) of 0.
- * The insulation layer of the inner tank is made of fluorine-free polyurethane foam, offering excellent thermal insulation.
- * The exterior is made of high-quality 304 stainless steel. It features an integrated design, compact structure, and ease of use.
- * The motor shaft has a spiral cutter design, and the ice knife edge is optimized, resulting in smaller ice particles that are versatile and practical.
- * The water tank is designed with a float valve to prevent excess water consumption, saving water and energy.
- * The ice-making evaporator is made of pure copper, and the ice knife is made of 304 stainless steel.
- * It includes protective shutdown features such as ice full, water shortage, compressor fault alarms, and protection against continuous compressor startups.

Technical Parameters

Model	BK-IMS20	BK-IMS30
Ice Making Capacity	20kg/24h	30kg/24h
Max. Ice Storage Capacity	10kg	
Water Consumption	≤1.2L/h	
Ice Shape	Small particle of irregular snow ice	
Way of Condensation	Air cooling	
Ambient Temperature	10~35℃	
Water Temperature	2~15℃	
Refrigerant	R290	
Standard Accessory	Water inlet pipe*1, drainage pipe*1, ice spoon*1	
Optional Accessory	Filter	
Consumption	300W	
Power Supply	AC 220V, 50/60Hz(Standard); 110V, 50/60Hz(Optional, external transformer)	
External Size(W*D*H)	330*480*605mm	
Package Size(W*D*H)	380*570*650mm	
Net Weight	26kg	
Gross Weight	38kg	

Flake Ice Maker



FIM20/30/40/50



Small particles of irregular snow ice



FIM60/70/85

Technical Parameters

Model	FIM20	FIM30	FIM40	FIM50	FIM60	FIM70	FIM85
Ice Making Capacity(kg/24h)	20	30	40	50	60	70	85
Max. Ice Storage Capacity	10kg		15kg		25kg		
Ice Shape	Small particle of irregular snow ice						
Input Current	280W	300W	360W	380W	420W	460W	480W
Way of Condensation	Air cooling						
Ambient Temperature	10~35℃						
Water Temperature	2~15℃						
Tank Shell	Stainless steel						
Compressor	Donper		Panasonic Wanbao				
Refrigerant	R290, 30g		R290, 35g		R290, 42g		
Standard Accessory	Water inlet pipe*1, drainage pipe*1, ice spoon*1						
Optional Accessory	Filter						
Power Supply	AC 220V,50/60Hz(Standard); 110V, 60Hz(Optional)						
External Size(W*D*H)	330*470*605mm		400*543*700mm		400*510*845mm		
Package Size(W*D*H)	460*595*740mm		520*665*845mm		520*630*995mm		
Net Weight	26kg		36kg		42kg		
Gross Weight	42kg		55kg		62kg		
Applicable Area	Various types of experiments, hospitals, schools, laboratories,medical, chemical applications, supermarkets, hotels and other seafood products stores etc.						

Flake Ice Maker



FIM100/120/150



FIM200/250

Technical Parameters

Model	FIM100	FIM120	FIM150	FIM200	FIM250
Ice Making Capacity(kg/24h)	100	120	150	200	250
Max. Ice Storage Capacity	40kg			60kg	
Ice Shape	Small particle of irregular snow ice				
Input Current	520W	550W	680W	1040W	1100W
Way of Condensation	Air cooling				
Ambient Temperature	10~35℃				
Water Temperature	2~15℃				
Tank Shell	Stainless steel				
Compressor	Panasonic Wanbao	Danper		Panasonic Wanbao	
Refrigerant	R290, 55g	R290, 62g	R290, 65g	R290, 140g	
Standard Accessory	Water inlet pipe*1, drainage pipe*1, ice spoon*1				
Optional Accessory	Filter				
Power Supply	AC 220V,50/60Hz(Standard); 110V, 60Hz(Optional)				
External Size(W*D*H)	500*611*950mm			680*740*1100mm	
Package Size(W*D*H)	630*730*1110mm			730*800*1270mm	
Net Weight	58kg	60kg		80kg	
Gross Weight	82kg			105kg	
Applicable Area	Various types of experiments, hospitals, schools, laboratories,medical, chemical applications, supermarkets, hotels and other seafood products stores etc.				

Split-Type Flake Ice Maker



Applicable Area

Various types of experiments, hospitals, schools, laboratories, medical, chemical applications, supermarkets, hotels and other seafood products stores etc.

Technical Parameters

Model	FIM300	FIM500
Ice Making Capacity(kg/24h)	300	500
Max. Ice Storage Capacity	200kg	300kg
Ice Shape	Small particle of irregular snow ice	
Input Current	1360W	1650W
Way of Condensation	Air cooling	
Ambient Temperature	10~35℃	
Water Temperature	2~15℃	
Tank Shell	Stainless steel	
Compressor	SECOP	Embraco
Refrigerant	R404a, 420g	R404a, 600g
Standard Accessory	Water inlet pipe*1, drainage pipe*1, ice spoon*1	
Optional Accessory	Filter	
Power Supply	AC 220V, 50/60Hz(Standard); 110V, 60Hz(Optional)	
External Size (W*D*H)	Head Size: 565*575*570mm Ice Tank Size: 570*800*1020mm	600*760*740mm 760*840*1120mm
Package Size (W*D*H)	Head Size: 675*680*880mm Ice Tank Size: 600*835*920mm	720*860*995mm 810*900*1050mm
Net Weight	95kg	125kg
Gross Weight	143kg	175kg
Applicable Area	Various types of experiments, hospitals, schools, laboratories, medical, chemical applications, supermarkets, hotels and other seafood products stores etc.	

Cube Ice Machine



Features

- * Eco-friendly & Efficient: fluorine-free high-efficiency compressor with energy-saving refrigeration system.
- * Continuous Ice Production: simple structure with 4 adjustable feet for easy cleaning.
- * Hygienic & Durable: food-grade stainless steel exterior, stylish and easy to maintain.
- * Fully Automated Operation: smart control system for automatic water intake, ice-making, ice release, storage, and shutdown when full.
- * Dual Independent Cooling Systems: energy-saving design allows separate operation of each unit.
- * Ideal for scientific research labs and seafood preservation.

Usage Notes

- * Water Supply: connect to tap water (0.2~0.7 MPa pressure required).
- * Ventilation Space: ≥100 mm clearance on both sides; ≥150 mm clearance at the rear.
- * Maintenance: clean the condenser every 6 months to ensure optimal cooling and longevity.

Technical Parameters

Model	CIM-150	CIM-200	CIM-300	CIM-800
Ice Making Capacity(kg/24h)	150	200	300	800
Max. Ice Storage Capacity	80kg		150kg	300kg
Ice Shape	Cube ice: 22*22*22mm			
Way of Condensation	Air/water-cooling			Water-cooling
Ambient Temperature	5~40℃			
Compressor	Tecumseh			Enhance/ Tecumseh
Refrigerant	R404a, 0.7kg	R404a, 0.8kg	R404a, 0.95kg	R404a, 1.1kg
Standard Accessory	Ice scoop*1, water inlet hose*1, drain hose*1, spare sealing washer*1			
Consumption	750W	1300W	1600W	3200W
Power Supply	AC 220V, 50Hz(Standard); 110V, 50/60Hz, 220V, 60Hz(Optional)			
External Size(W*D*H)	560*830*1520mm	560*830*1620mm	760*830*1850mm	1230*960*1950mm
Package Size (W*D*H)	Main Machine: 770*780*800mm Ice Storage Bin: 800*640*980mm		915*795*980mm 870*790*1020mm	1350*835*1035mm 1270*985*1130mm
Gross Weight	Main Machine: 56kg Ice Storage Bin: 37kg	60kg	70kg	160kg
			47.5kg	78kg

Cube Ice Machine



CIM-65/80/120

CIM-180/210/260

Application

- * Cube ice, large contact area, adjustable ice thickness.
- * Stainless steel and ABS engineering plastic shell, beautiful shape, strong, practical.
- * Nickel-plated copper ice plate, flowing vertical ice making, high ice making efficiency, energy saving.
- * "Intelligent core" control system, automatic ice making, automatic ice falling, ice full detection.
- * One-button cleaning function, convenient daily maintenance.
- * LED screen, clear operation, accurate understanding of the machine's working conditions.
- * The tank, sink, and water distribution pipe all meet the food grade standards, safe and hygienic.
- * Built-in refrigerator.
- * The three basic parts (computer board, fan, condenser) are guaranteed for five years.

Technical Parameters

Model	CIM-65	CIM-80	CIM-120	CIM-180	CIM-210	CIM-260
Ice Making Capacity(kg/24h)	30	40	60	80	100	120
Max. Ice Storage Capacity	15kg			45kg		
Ice Shape	Cube ice: 22*22*22mm, 10g					
Ice Grid	4*9	4*10	5*12	5*16	5*18	6*18
Input Current	280W	300W	360W	580W	600W	650W
Way of Condensation	Air-cooling					
Ambient Temperature	1~40℃					
Water Temperature	5~35℃					
Compressor	Wanbao					
Refrigerant	R290, 60g	R290, 65g	R290, 80g	R290, 96g	R290, 100g	R290, 106g
Standard Accessory	Water inlet pipe*1, drainage pipe*1, ice spoon*1, filter*1					
Optional Accessory	UV lamp					
Power Supply	AC 220V, 50Hz(Standard), 110/220V, 60Hz(Optional)					
External Size(W*D*H)	500*450*800mm			660*680*930mm		
Package Size(W*D*H)	580*510*850mm			740*750*920mm		
Net Weight	34kg		35kg	54kg	55kg	56kg
Gross Weight	38kg		39kg	59kg	60kg	61kg

Morgue Freezer



BK-XG1



BK-XG2



BK-XG3



BK-XG4



BK-XG6

Features

- * Anti-vibration and anti-overturn compressor.
- * Intelligent control system.
- * All stainless steel.
- * Polyurethane overall high pressure and high temperature foaming.
- * The refrigeration system of each chamber can be controlled individually.
- * Corpse tray can move freely with small roller wheels.

Model	BK-XG1	BK-XG2	BK-XG3	BK-XG4	BK-XG6
Interior Size(W*D*H)	2020*640*440mm, 1pc	2060*640*440mm, 2pcs	2060*640*440mm, 3pcs	2050*640*440mm, 4pcs	2050*640*440mm, 6pcs
Lowest Temp.	-30℃				
Accuracy	0.1℃				
Slide	Enlarged 100mm thickness load-bearing frame				
Stretch	Made of all stainless steel (strong corrosion resistance)				
Evaporator	Direct-cooled evaporator with built-in copper coil, no solder joints inside				
Condenser	Air-cooled condenser, silent cooling fan				
Insulation	Polyurethane overall high-pressure and high temperature foaming (thickness about 100mm)				
Power Supply	Standard: 220V, 50/60Hz; Optional: 110V, 60Hz				
Power	850W	850W	1300W	1300W	1500W
Package Size(W*D*H)	2700*800*700mm	2270*950*1630mm	2300*960*2200mm	2270*1700*1550mm	2270*1690*2070mm
Gross Weight	200kg	400kg	500kg	700kg	840kg

Liquid Nitrogen Container

Static Storage Liquid Nitrogen Container



YDS-3S(6)
YDS-3

YDS-10
/YDS-10-80
/YDS-10-125

YDS-10S(6)
/YDS-10-80S(6)
/YDS-10-125S(1)
/YDS-10-125-FS

YDS-20
/YDS-30
/YDS-30-80
/YDS-30-125

YDS-20LS(6)
/YDS-20S(6)
/YDS-30LS(6)
/YDS-30S(6)
/YDS-30-80LS(6)
/YDS-30-80S(6)
/YDS-30-125LS(6)
/YDS-30-125S(6)
/YDS-30-125-FS

Features:

- * High vacuum, multi-layer thermal insulation design
- * Low static evaporation rate, ultra-low evaporation loss
- * Made of high-quality alloy aluminum
- * Vacuum warranty for 5 years
- * Optional liquid level ruler

Technical Parameters:

Model	Unit	YDS-3S(6)	YDS-3	YDS-10	YDS-10-80	YDS-10-125
Capacity	L	3	3	10	10	10
Empty Weight	kg	4.2	3.4	6	6.35	6.9
Caliber	mm	50	50	50	80	125
Outer Diameter	mm	223	223	303	303	303
Height	mm	438	438	530	505	505
Static Evaporation Loss	L/d	0.12	0.12	0.12	0.21	0.42
Static Holding Time	d	26	26	86	48	23
Canister Specification	mm	Round: $\phi 38 \times 120$	—	—	—	—
Canister No.(Standard)	pc	6	—	—	—	—
Canvas Protective Sleeve	pc	1	—	—	—	—
Lockable Lid	set	Yes	—	—	—	—
Packing Size	mm	270*285*510	270*285*510	360*360*670	360*360*670	360*360*670
Gross Weight	kg	4.8	4	7.1	7.5	8

Model	Unit	YDS-10 S(6)	YDS-10 -80S(6)	YDS-10 -125S(1)	YDS-10 -125-FS	YDS-20	YDS-30	YDS-30 -80	YDS-30 -125
Capacity	L	10	10	10	10	20.1	31.5	31.5	31.5
Empty Weight	kg	6.8	7.7	8.12	8.8	12.4	15.5	16.2	16.6
Caliber	mm	50	80	125	125	50	50	80	125
Outer Diameter	mm	303	303	303	303	409	455	455	455
Height	mm	550	555	575	575	675	665	665	665
Static Evaporation Loss	L/d	0.12	0.21	0.42	0.42	0.12	0.12	0.21	0.35
Static Holding Time	d	86	48	23	23	168	254	147	90
Canister Specification	mm	Round: $\phi 38 \times 120$	Round: $\phi 60 \times 120$	Round: $\phi 97 \times 120$	Square: 82*84, 100psc of 2ml vials	—	—	—	—
Canister No.(Standard)	pc	6	6	1	1	—	—	—	—
Canvas Protective Sleeve	pc	√	√	√	√	—	—	—	—
Lockable Lid	set	√	√	√	√	—	—	—	—
Packing Size	mm	360*360 *670	360*360 *670	360*360 *670	360*360 *670	460*460 *750	510*510 *810	510*510 *810	510*510 *810
Gross Weight	kg	7.9	8.8	9.2	9.9	14	17.5	18.2	18.6

Model	Unit	YDS-20 LS(6)	YDS-20 S(6)	YDS-30 LS(6)	YDS-30 S(6)	YDS-30 -80LS(6)	YDS-30 -80S(6)	YDS-30 -125LS(6)	YDS-30 -125S(6)	YDS-30 -125-FS
Capacity	L	20.1	20.1	31.5	31.5	31.5	31.5	31.5	31.5	31.5
Empty Weight	kg	13.77	13.2	17.8	17.2	18.9	17.8	21.1	19.2	22.7
Caliber	mm	50	50	50	50	80	80	125	125	125
Outer Diameter	mm	409	409	455	455	455	455	455	455	455
Height	mm	680	680	670	670	680	680	680	680	680
Static Evaporation Loss	L/d	0.12	0.12	0.12	0.12	0.21	0.21	0.35	0.35	0.35
Static Holding Time	d	168	168	254	254	145	147	90	90	90
Canister Specification	mm	Round: $\phi 38 \times 276$	Round: $\phi 38 \times 120$	Round: $\phi 38 \times 276$	Round: $\phi 38 \times 120$	Round: $\phi 60 \times 276$	Round: $\phi 60 \times 120$	Round: $\phi 97 \times 276$	Round: $\phi 97 \times 120$	Square: 82*84, 600psc of 2ml vials
Canister No.(Standard)	pc	6	6	6	6	6	6	6	6	6
Canvas Protective Sleeve	pc	√	√	√	√	√	√	√	√	√
Lockable Lid	set	√	√	√	√	√	√	√	√	√
Packing Size	mm	460*460 *750	460*460 *750	510*510 *810	510*510 *810	510*510 *810	510*510 *810	510*510 *810	510*510 *810	510*510 *810
Gross Weight	kg	15.37	14.8	18.1	18.2	20.8	19.8	23.1	21.2	24.7

Static Storage Liquid Nitrogen Container



Features:

- * High vacuum, multi-layer thermal insulation design
- * Low static evaporation rate, ultra-low evaporation loss
- * Made of high-quality alloy aluminum
- * Vacuum warranty for 5 years
- * Optional liquid level ruler

YDS-35LS(6)/YDS-35S(6)/YDS-35/YDS-35-80LS(6)
/YDS-35-80S(6)/YDS-35-80/YDS-35-125-FS
/YDS-35-125LS(6)/YDS-35-125S(6)/YDS-35-125



- * High vacuum, multi-layer thermal insulation design
- * Low static evaporation rate, ultra-low evaporation loss
- * Made of high-quality alloy aluminum
- * Vacuum warranty for 5 years
- * Optional liquid level ruler

YDS-47-127-FS/YDS-47-127LS(6)/YDS-47-127
/YDS-65-216-FS/YDS-65-216S/YDS-95-216-FS
/YDS-95-216S /YDS-120-216-FS/YDS-120-216S
/YDS-145-216-FS/YDS-145-216S/YDS-175-216-FS
/YDS-175-216S

Technical Parameters

Model	Unit	YDS-35LS(6)	YDS-35S(6)	YDS-35	YDS-35-80LS(6)	YDS-35-80S(6)	YDS-35-80	YDS-35-125-FS	YDS-35-125LS(6)	YDS-35-125S(6)	YDS-35-125
Capacity	L	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
Empty Weight	kg	18.4	17.8	17	20	19	17.8	25.3	22.5	20.8	18.2
Caliber	mm	50	50	50	80	80	80	125	125	125	125
Outer Diameter	mm	455	455	455	455	475	455	455	455	455	455
Height	mm	735	735	730	735	685	735	730	735	735	730
Static Evaporation Loss	L/d	0.12	0.12	0.12	0.22	0.22	0.22	0.37	0.37	0.37	0.37
Static Holding Time	d	286	286	286	159	155	159	97	97	97	97
Canister Specification	mm	Round: 38*276	Round: 38*120	—	Round: 60*276	Round: 60*120	—	Square: 82*84, 750pcs of 2ml vials	Round: 97*276	Round: 97*120	—
Canister No (Standard)	pc	6	6	—	6	6	—	6	6	6	—
Canvas Protective Sleeve	pc	√	√	—	√	√	—	√	√	√	—
Lockable Lid	set	√	√	—	√	√	—	√	√	√	—
Packing Size	mm	510*510*810	510*510*810	510*510*810	510*510*810	510*510*810	510*510*810	510*510*810	510*510*810	510*510*810	510*510*810
Gross Weight	kg	20.4	19.8	19	22	21	19.8	27.3	24.5	22.6	20.2

Technical Parameters

Model	Unit	YDS-47-127-FS	YDS-47-127LS(6)	YDS-47-127	YDS-65-216-FS	YDS-65-216S	YDS-65-216-FS	YDS-95-216S	YDS-120-216-FS	YDS-120-216S	YDS-145-216-FS	YDS-145-216S	YDS-175-216-FS	YDS-175-216S
Capacity	L	47	47	47	65	65	95	95	125	125	145	145	175	175
Empty Weight	kg	25.7	24.1	20.2	50.8	41.5	58.3	45.7	86	52.5	71.9	53.3	79.1	57.5
Caliber	mm	127	127	127	216	216	216	216	216	216	216	216	216	216
Outer Diameter	mm	508	508	508	684	684	684	684	684	684	684	684	684	684
Height	mm	700	700	675	770	770	760	760	970	970	970	970	1080	1060
Static Evaporation Loss	L/d	0.45	0.45	0.45	0.89	0.89	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95
Static Holding Time	d	105	105	105	73	73	96	98	127	127	151	151	184	184
Canister Specification	mm	Square: 82*84, 750pcs of 2ml vials	Round: 104*276	—	Square: 142*144, 1944 pcs of 2ml vials	—	Square: 142*144, 2430pcs of 2ml vials	—	Square: 142*144, 2916pcs of 2ml vials	—	Square: 142*144, 3888 pcs of 2ml vials	—	Square: 142*144, 4860 pcs of 2ml vials	—
Canister No (Standard)	pc	6	6	—	6	—	6	—	6	—	6	—	6	—
Canvas Protective Sleeve	pc	—	—	—	—	—	—	—	—	—	—	—	—	—
Lockable Lid	set	√	√	—	√	√	√	√	√	√	√	√	√	√
Packing Size	mm	575*575*880	575*575*880	575*575*880	760*760*910	760*760*910	760*760*950	760*760*950	760*760*1105	760*760*1105	760*760*1130	760*760*1130	760*760*1200	760*760*1200
Gross Weight	kg	29.5	27.9	24	63.7	54.4	73.9	58.7	79.9	66.4	85.9	67.5	93.5	71.9

Transportation Liquid Nitrogen Container



YDS-20B/YDS-30B
/YDS-35B-80/YDS-35B-125
/YDS-35B/YDS-50B-125



YDS-20B-LS(6) /YDS-20B-S(6)
/YDS-30B-LS(6) /YDS-30B-S(6)
/YDS-35B-80LS(6) /YDS-35B-80S(6)
/YDS-35B-125-FS /YDS-35B-125S(6)
/YDS-50B-125-FS /YDS-50B-125S(6)

Features:

- * High vacuum, multi-layer insulation design
- * Low static evaporation rate
- * Made of high-quality alloy aluminum
- * Insulation material bracket, lower evaporation, safe and reliable transportation

Technical Parameters:

Model	Unit	YDS-20B	YDS-30B	YDS-35B-80	YDS-35B-125	YDS-35B	YDS-50B-125
Capacity	L	20.1	31.5	35.5	35.5	35.5	50
Empty Weight	kg	12.42	15.6	17.9	18.3	17.1	21
Caliber	mm	50±1	50±1	80±1	125±1	50±1	125±1
Outer Diameter	mm	409±2	455±2	455	455	455	508
Height	mm	660	665	725	720	725	818±4
Static Evaporation Loss	L/d	≤0.20	≤0.20	≤0.30	≤0.41	≤0.20	≤0.45
Static Holding Time	d	≥101	≥159	≥119	≥86	≥179	≥110
Canister Specification	mm	NO	NO	NO	NO	NO	NO
Canister No.(Standard)	pc	NO	NO	NO	NO	NO	NO
Canvas Protective Sleeve	pc	NO	NO	NO	NO	NO	NO
Lockable Lid	set	NO	NO	NO	NO	NO	NO
Packing Size	mm	460*460*750	510*510*810				575*575*860
Gross Weight	kg	14.1	17.6	19.9	20.3	19.1	24.8

Model	Unit	YDS-20B-LS(6)	YDS-20B-S(6)	YDS-30B-LS(6)	YDS-30B-S(6)	YDS-35B-80LS(6)	YDS-35B-80S(6)	YDS-35B-125-FS
Capacity	L	20.1	20.1	31.5	31.5	35.5	35.5	35.5
Empty Weight	kg	13.78	13.22	17.9	17.3	20.3	19.1	25.4
Caliber	mm	50±1	50±1	50±1	50±1	80±1	80±1	125±1
Outer Diameter	mm	409±2	409±2	455±2	455±2	455	455	455
Height	mm	660	660	670±4	670±4	735	735	735
Static Evaporation Loss	L/d	≤0.20	≤0.20	≤0.20	≤0.20	≤0.30	≤0.30	≤0.41
Static Holding Time	d	≥101	≥101	≥159	≥159	≥119	≥119	≥86
Canister Specification	mm	Round: Diameter: 38±1; Height: 276±1	Round: Diameter: 38±1; Height: 120±1	Round: Diameter: 38±1; Height: 276±1	Round: Diameter: 38±1; Height: 120±1	Round: Diameter: 60±1; Height: 276±1	Round: Diameter: 60±1; Height: 120±1	Square: 82*84mm. With 5*5 2ml cryobox, 750pcs cryogenic vials
Canister No.(Standard)	pc	6	6	6	6	6	6	6
Canvas Protective Sleeve	pc	1	1	1	1	1	1	1
Lockable Lid	set	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Packing Size	mm	460*460*750		510*510*810				
Gross Weight	kg	15.5	15	20.1	19.3	22.3	21.8	26.1

Model	Unit	YDS-35B-125LS(6)	YDS-35B-125S(6)	YDS-50B-125LS(6)	YDS-50B-125S(6)	YDS-50B-125-FS	YDS-50B-125LS(6)	YDS-50B-125S(6)
Capacity	L	35.5	35.5	35.5	35.5	50	50	50
Empty Weight	kg	22.52	20.7	18.45	17.85	26.5	23.7	23.5
Caliber	mm	125±1	125±1	50±1	50±1	125±1	125±1	125±1
Outer Diameter	mm	455	455	455	455	508	508	508
Height	mm	735	735	735	735	818±4	818±4	818±4
Static Evaporation Loss	L/d	≤0.41	≤0.41	≤0.20	≤0.20	≤0.45	≤0.45	≤0.45
Static Holding Time	d	≥86	≥86	≥179	≥179	≥110	≥110	≥110
Canister Specification	mm	Round: Diameter: 97±1; Height: 276±1	Round: Diameter: 97±1; Height: 120±1	Round: Diameter: 38; Height: 276	Round: Diameter: 38; Height: 120±1	Square: 82*84mm. With 5*5 2ml cryobox, 900pcs cryogenic vials	Round: Diameter: 97±1; Height: 276±1	Round: Diameter: 97±1; Height: 120±1
Canister No.(Standard)	pc	6	6	6	6	6	6	6
Canvas Protective Sleeve	pc	1	1	1	1	Yes	NO	NO
Lockable Lid	set	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Packing Size	mm	510*510*810				575*575*860		
Gross Weight	kg	24.7	22.7	20.1	19.8	32.3	27.5	25.5

Self-pressurized Liquid Nitrogen Container



Features:

- * High bearing capacity casters, easy to move.
- * Vacuum warranty for 5 years.
- * Double safety automatic control valve, with double safety protection measures, it is safer to use.
- * It has continuous pressurization and continuous liquid discharge, making the liquid supply more efficient.
- * Standard float liquid level meter for YDZ-100/YDZ-200, cannot be optional for YDZ-30/YDZ-50.
- * Made of high-quality 304 stainless steel, the ultra-low temperature globe valve is easier to operate, durable and beautiful.

Technical Parameters:

Model	Unit	YDZ-30	YDZ-50	YDZ-100	YDZ-200
Capacity	L	30	50	100	200
Caliber	mm	50	50	50	50
Empty Weight	kg	56	62.5	85	136.8
Outer Diameter	mm	404	454	556	656
Height	mm	885	998	1120	1330
Static Evaporation Rate	%	2.5	2	1.3	1.2
Standard Working Pressure	MPa	0.05	0.05	0.05	0.05
Maximum Working Pressure	MPa	0.09	0.09	0.09	0.09
Primary Safety Valve Opening Pressure	MPa	0.099	0.099	0.099	0.099
Second Safety Valve Opening Pressure	MPa	0.15	0.15	0.15	0.15
Pressure Gauge Range	MPa	0-0.25	0-0.25	0-0.25	0-0.25
Standard Accessory	pc	1pc of 1.5m liquid nitrogen output hose			
Package Size	mm	465*465*1035	505*505*1135	615*615*1290	700*700*1450
Gross Weight	kg	68	78.5	85	154.8

Liquid Nitrogen Container Accessories

Picture	Item Name	Specifications
	Lockable Lid	SG50 is suitable for 50 caliber series products SG80 is suitable for 80 caliber series products SG125 is suitable for 125 caliber series products SG216 is suitable for 216 caliber series products
	Protective Sleeve	3L is suitable for YDS3L series products 10L suitable for YDS10L series products 20L is suitable for YDS10L series products 30L/35L is suitable for YDS30L/35L series products 50L is suitable for YDS47/50L series products
	Canister (Round Canister)	304 stainless steel
	Frozen Storage Shelf Canister (Square Canister)	304 stainless steel
	Level Ruler	YWC-60 length 600 mm, 304 stainless steel material, thickness 6 mm YWC-100 length 1000 mm, made of 304 stainless steel, thickness 6 mm YWC-100-1 length 1000 mm, 201 stainless steel material, thickness 2.5 mm
	Trolley	ZYC01 is suitable for products with a tank diameter less than $\phi 525$ mm; suitable for 20L-50L series products; equipped with 5 universal wheels ZYC02 is suitable for tanks with a diameter less than $\phi 685$ mm; suitable for 65L-175L series products; equipped with 5 universal wheels