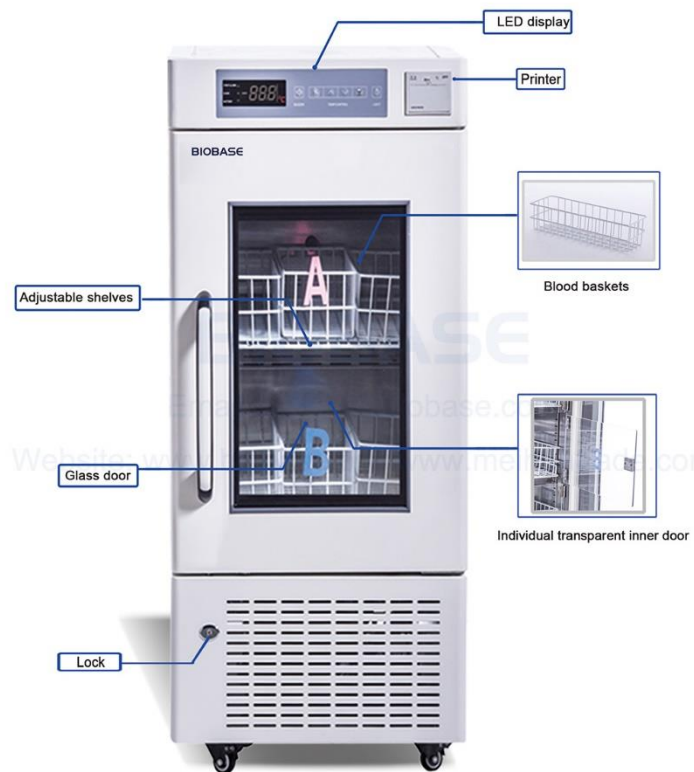


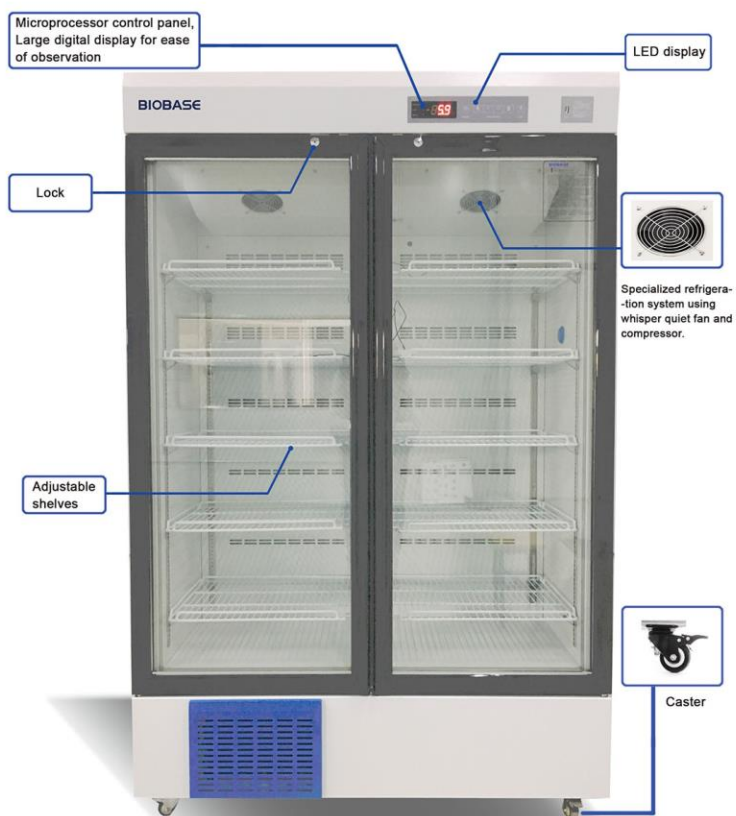
Content

	4°C Blood Bank Refrigerator-----	2
	2~8°C Laboratory Refrigerator-----	5
	-25°C Freezer-----	11
	-40°C Freezer-----	15
	-60°C Freezer-----	19
	-86°C Freezer-----	21
	Freezer Racks and Boxes-----	24
	Freeze Dryer-----	26
	Car Refrigerator-----	32
	Portable Refrigerator-----	33
	Biosafety Transport Box-----	34
	Ice Maker-----	36

Blood Bank Refrigerator(4±1°C)



Laboratory Refrigerator(2-8℃)



06

Laboratory Refrigerator



Technical Parameters

Model	BPR-5V160	BPR-5V250	BPR-5V310	BPR-5V588	BPR-5V1000
External Size(W*D*H) mm	500*550*1300	580*575*1810	620*575*1980	1220*630*1885	1220*860*1885
Capacity	130L	250L	310L	656L	1000L
Temp. Range	2℃~8℃				
Temp. Accuracy	0.1℃				
Control System	Microprocessor Control, Large Screen LED Display				
Alarm	Audible and visual alarm for: High and low temperature, Power failure alarm, Door ajar,Thermostat failure				
Refrigeration Type	Forced air refrigeration system				
Refrigerant	R600a, CFC Free			R134a, CFC Free	
Condenser & Evaporator	Bundy tube condenser				
Defrost	Manual defrost Auto defrost				
Construction	Structure	Unibody Design & Mono-assembly foaming (Rigid polyurethane insulation material)		Unibody Design & Mono-assembly foaming (Polyurethane cyclopentane insulation material)	
	Internal Material	Embossed aluminum sheet		Spraying steel plate	
	External Material	Spraying steel plate			
Shelves	4 pcs	4pcs	5 pcs	5 pcs	
Door	Glass door with electric heating				
Consumption	136W	170W	180W	560W	
Power Supply	AC220V±10%, 50/60Hz(only for BPR-5V160) ,AC110/220V±10%, 50/60Hz				
Standard Accessories	LED Lamp,uSB port, probe access port(BPR-5V588 & BPR-5V1000)				
Optional Accessory	Temperature recorder,Temperature printer(USB port can not be selected at the same time), probe access port				
Package Size(W*D*H) mm	590*595*1380	670*650*1870	700*650*2030	1340*750*2100	1340*980*2100
Gross Weight	51kg	68kg	84kg	248kg	280kg

07

Laboratory Refrigerator



656L



1500L

Technical Parameters

Model	BPR-5V650	BPR-5V1500
External Size(W*D*H) mm	1220*642*1885	1800*775*1965
Capacity	656L	1500L
Temp. Range	2~8℃	
Temp. Accuracy	0.1℃	
Control System	Microprocessor Control & Large Screen LED Display	
Alarm	Audible and visual alarm for: High and low temperature, Thermostat fault, Door Ajar, Power Failure	
Refrigeration Type	Forced air refrigeration system	
Refrigerant	R290	R134a, CFC Free
Condenser&Evaporator	High efficiency air-cooled condenser, made of copper	
Defrost	Frostless design	
Construction	Structure	Unibody design & Mono-assembly foaming (rigid polyurethane insulation material)
	Internal Material	Spraying steel plate
	External Material	Spraying steel plate
Shelves	Adjustable shelves made of high quality steel wire	
	10 pcs	12 pcs
Consumption	385W	1040W
Power Supply	AC110/220V±10%, 50/60Hz	AC110/220V±10%, 50/60Hz
Standard Accessory	LED lamp, Shelves, Door keys, Testing hole, Battery	
Package Size(W*D*H) mm	1335*715*2000	1880*820*2150
Gross Weight	189kg	319kg

-25℃ Freezer



BDF-25H305

Features

1. Digital temperature display.
2. The safety lock can prevent random opening.
3. Baskets made of steel wire are convenient to store articles.
4. Round corner design of doors and the body provides luxury and elegance.
5. Delayed start and safe stop interval between restart and being terminated, ensure reliable running.

Technical Parameters

Model	BDF-25H305	
External Size(W*D*H) mm	1148*740*872	
Capacity	305L	
Temp. Range	-10℃～-25℃	
Temp. Accuracy	0.1℃	
Control System	Microprocessor control&LED display	
Alarm	High or low temperature alarm, sensor failure alarm, thermostat alarm, power failure alarm	
Refrigeration Type	Direct refrigeration	
Refrigerant	R134a	
Condenser&Evaporator	Internal-mounted condenser and finned evaporator	
Construction	Structure	Whole foaming, freon cyclopentane/isopentane high density polyurethane foam
	Internal Material	Spraying steel plate
	External Material	Spraying steel plate
Basket	none	
Consumption	106W	
Power Supply	AC220V±10%,50/60Hz; AC110V±10%,60Hz	
Package Size(W*D*H)mm	1223*777*1005	
Gross Weight	87kg	

Blood Bank Refrigerator

Advantage

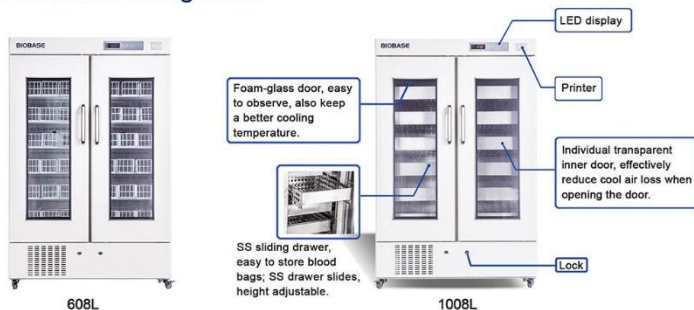
1. Multiple sensors design: make sure the precise monitoring and programming.
2. Double layer transparent glass door, easy to observe, also keep a better cooling temperature.
3. Forced air refrigeration system, ensure inner temperature constant and uniform.
4. Adjustable shelves, improve space utilization; blood storage baskets can be classified.
5. Individual transparent inner door, effectively reduce cool air loss when opening the door.



Technical Parameters

Model	BBR-4V120	BBR-4V160	BBR-4V210	BBR-4V250	BBR-4V310
Capacity	108L	160L	208L	250L	310L
Temp. Range	4±1℃				
Temp. Accuracy	0.1℃				
Control System	Microprocessor control				
Display	LED display				
Alarm	Audio and visual alarm for: High or low temperature,Thermostat failure; Door ajar;Power outage alarm, Low battery alarm (only for BBR-4V120,210),Battery switch alarm(only for BBR-4V160,250,310)				
Refrigeration Type	Forced air refrigeration system				
Refrigerant	R134a, CFC-Free				
Compressor	International famous compressor				
Condenser & Evaporator	High efficiency air-cooled condenser;Made of copper				
Defrost	Frostless design	Auto defrost	Frostless design	Auto defrost	
Construction	Unibody Design, Mono-assembly foaming (Rigid polyurethane insulation material)				
Material	Internal Material	Stainless steel			
	External Material	Sprayed steel plate			
Door	Electric heating glass outer door;				
	Acrylic inner door; Outer door with locking buckle				
Consumption	191W	257W	185W	380W	380W
Power Supply	AC110V/220V±10%, 50/60Hz				
Casters	4 casters				
Adjustable Shelves	2pcs	3pcs	4pcs	4pcs	5pcs
Baskets	6pcs	9pcs	12pcs	12pcs	15pcs
Blood Bags (450ml)	66pcs	99pcs	132pcs	156pcs	195pcs
Standard Accessory	Thermal printer , LED lamp, The temperture test box, probe access port, door key				
Optional Accessory	Temperature recorder				
External Size(W*D*H) mm	522*635*1030	530*593*1287	522*635*1530	630*666*1658	630*666*1886
Package Size(W*D*H)mm	700*585*1200	672*732*1501	590*700*1700	762*812*1866	762*812*2091
Gross Weight	95kg	104kg	120kg	145kg	167kg

Blood Bank Refrigerator



Technical Parameters

Model	BBR-4V608	BBR-4V1000
Capacity	608L	1008L
Temp. Range	4±1°C	
Temp. Accuracy	0.1°C	
Control System	Microprocessor control	
Display	LED display	
Alarm	Audio and visual alarm for: High or low temperature; Door ajar, Power outage failure, Low battery alarm, Thermostat failure	
Refrigeration Type	Forced air refrigeration system	
Refrigerant	R134a, CFC-Free	
Defrost	Frostless design	
Construction	Unibody Design, Mono-assembly foaming (Rigid polyurethane insulation material)	
Material	Internal Material	Stainless steel
	External Material	Sprayed steel plate
Door	Double layer transparent glass door with lock, Heating film preventing frosting, Sealing joint strip with magnetic force, Transparent plastic inner door	
Drawers/Shelves	Adjustable shelves	304 Stainless steel
Casters	4 casters	4 casters
Consumption	383W	510W
Power Supply	AC110V/220V±10%, 50/60Hz	
Blood Bags (450ml)	360 pcs	576 pcs
Standard Accessory	Temperature printer, 12 shelves, 36 baskets, LED lamp, probe access port, door key	Temperature printer, 12 drawers, LED lamp, probe access port, door key
Optional Accessory	Temperature recorder	
External Size(W*D*H) mm	1220*648*1885	1220*878*1885
Package Size(W*D*H) mm	1330*740*2120	1325*970*2130
Gross Weight	257kg	335kg

Laboratory Refrigerator(2-8°C)



Corpse Refrigerator



Features:

- * PID control and calibration system, LED display.
- * The refrigeration system of each chamber can be controlled individually.
- * Keyboard lock and password protection.
- * Corpse tray can move freely with small roller wheels.

Optional:

Germany SECOP compressor 24-hour tracing, recording and printing system

Technical Parameters:

Model	BK-CR1	BK-CR2	BK-CR3	BK-CR4	BK-CR6
Chamber/Compressor No.	1	2	3	4	6
Rated Temp.	1~5℃				
Lowest Temp.	-18℃/-30℃				
Temp. Accuracy	0.1℃				
Refrigeration System	Professional finned condenser; Condenser fan with mesh enclosure; CFC-free refrigeration system, -18℃: Chinese brand compressor, R134a; -30℃: Germany SECOP compressor, R404a				
Visual and Audio Alarm	High temperature, Low temperature, Sensors failure				
Material	Internal / External: 201 or 304 stainless steel Insulating layer: polyurethane foam				
Consumption	350W	700W	1050W	1400W	2100W
Power Supply	AC220V, 50/60Hz				
Single Chamber Size(D*W*H)mm	1900*570*395				
External Size(D*W*H)mm	2480*810*650	2480*810*1190	2480*810*1800	2480*1580*1190	2480*1580*1800
Package Size(D*W*H)mm	2700*990*930	2700*990*1490	2700*990*2000	2700*1795*1490	2700*1795*2000
Gross Weight(kg)	201 SS	260	380	520	650
	304 SS	270	390	530	660

Mouse Cage



Features:

- * Separate the feces and urine, easy to operate.
- * Standard accessories: lids, bottles and stoppers
- * Water bottle rack with a stainless steel tube below, to avoid the mouse when the water leakage to the ground.

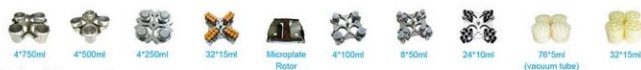
Technical Parameters:

Model	Material	Size
BK-CP3	PP/PC	318*202*136mm
BK-CP5	PP/PC	300*200*130mm
BK-SS4	PP	485*350*200mm
BK-R1	PP	465*300*180mm
BK-R5	PP	465*300*150mm
BK-H1	PP	545*395*200mm
BK-CP4	PP/PC	375*330*190mm
BK-JM1	PP	466*314*200mm
BK-JM2	PP	325*215*170mm
		375*270*170mm

Low Speed Refrigerated Centrifuge

Features:

- * LCD display, microprocessor control, indicating setting parameters and actual parameters at the same time
- * AV motor: high torque and variable frequency, free from contamination caused by carbon dust
- * Safety: Over-temperature and over-speed protection, imbalance detection, special shock absorbers to keep motor running smoothly
- * 20 selectable procedures and freely self-defining modes
- * 10 levels speed-up and speed-down control



Technical Parameters:

Model	BKC-VL5R	BKC-VL6R	BKC-VL8R
Max. Capacity	4*750ml	4*750ml	4*750ml
Max. Speed	5500rpm	6500rpm	8000rpm
Max. RCF	4800xg	4800xg	5940xg
Speed Precision	±50rpm		
Refrigeration System	CFC-free (R404a)		
Temp. Range	-20°C~40°C		
Temp. Precision	±1°C		
Timing Range	0~99h59min		
Noise	<65dB		
Consumption	2.0KW		
Power Supply	AC110/220V, 50/60Hz		
External Size(W*D*H)mm	710*560*770		
Package Size(W*D*H)mm	885*705*1195		
Net/Gross Weight(kg)	160/215		

Rotor:

Rotor	Capacity	BKC-VL5R		BKC-VL6R		BKC-VL8R	
		Speed(rpm)	RCF(xg)	Speed(rpm)	RCF(xg)	Speed(rpm)	RCF(xg)
Angle Rotor	12*10ml	5500	3580	6500	3920	8000	5940
	4*750ml	4000	3500	4000	3500	4000	3500
Swing Rotor	4*500ml(round cup) (Available adaptor: 4*250ml/300ml, 4*100ml, 12*50ml, 32*15ml, 48*10ml, 72*5ml)	4000	3780	4000	3780	4000	3780
	148*5ml/2ml (vacuum tube)	4000	2900	4000	2900	4000	2900
	16*15ml	5000	4500	5000	4500	5000	4500
	76*5ml/2ml (vacuum tube)	4000	3100	4000	3100	4000	3100
	4*100ml	5000	4800	5000	4800	5000	4800
	24*10ml	4000	2810	4000	2810	4000	2810
	8*50ml	4000	2810	4000	2810	4000	2810
	32*15ml	4000	2810	4000	2810	4000	2810
	32*10ml	4000	2810	4000	2810	4000	2810
	48*5ml/2ml (vacuum tube)	4000	2950	4000	2950	4000	2950
	2*2*96well	4000	2360	4000	2360	4000	2360
Microplate							

Low Speed Large Capacity Refrigerated Centrifuge

Features:

- * LCD display, microprocessor control, indicating setting parameters and actual parameters at the same time.
- * AV motor: high torque and variable frequency, free from contamination caused by carbon dust.
- * Imported drive system and automatic control system to ensure steady and reliable operation.
- * Safety: Over-temperature and over-speed protection, electronic locking, imbalance detection.
- * Can set 16 procedures, parameters can be modified during running.
- * 10 levels speed-up and speed-down control.
- * Can indicate rotor speed ascending and declining curves, centrifugal integral curves.



6*1000ml



6*500ml

Technical Parameters:

Model	BKC-VL6RL	BKC-VL8RL
Max. Capacity	6*1000ml	6*1500ml
Max. Speed	6000rpm	8000rpm
Max. RCF	6680xg	11260xg
Speed Precision	±50rpm	
Refrigeration System	CFC-free (R404a)	
Temp. Range	-20°C~40°C	
Temp. Precision	±1°C	
Timing Range	0~99h59min	
Noise	<68dB	
Consumption	4.0KW	
Power Supply	AC110/220V, 50/60Hz	
External Size(W*D*H) mm	840*730*950	
Package Size(W*D*H) mm	1085*825*1195	
Net/Gross Weight(kg)	270/360	

Rotor:

Rotor	Capacity	BKC-VL6RL		BKC-VL8RL	
		Speed(rpm)	RCF(xg)	Speed(rpm)	RCF(xg)
Angle Rotor	6*500ml	6000	6000	8000	11260
Swing Rotor	6*1000ml	4200	4200	4200	5167
	4*1000ml	4000	4000	4000	4050

Table Top Low Speed Refrigerated Centrifuge

Technical Parameters:

Model	BKC-TL5R
Max. Speed	5000rpm
Max. RCF	4390xg
Max. Capacity	4*750ml
Speed Precision	±20r/min
Timing Range	1s~99h59min59s
Temp. Range	-20℃~40℃
Temp. Accuracy	±1℃
Refrigerant	CFC-free refrigerant
Noise	≤65dB
Power Supply	AC110/220V, 50/60Hz
External Size(W*D*H)mm	640*680*380
Package Size(W*D*H)mm	780*800*520
Net Weight(kg)	95
Gross Weight(kg)	100



Features:

- * Maintenance-free brushless DC motor.
- * LED/LCD display.
- * Stainless steel chamber.
- * Automatically electric lid lock, over speed, over temperature, and imbalance protection.

Rotor:

Rotor No.	Rotor	Capacity	Max. Speed(rpm)	Max. RCF(xg)
No.1	Angle Rotor	12*10ml	5000	4390
	Swing Bucket Rotor	4*100ml	5000	4390
No.2	Tube Rack	4*2*100ml	4000	3500
		4*4*10ml		
		4*6*10ml		
		4*8*10ml		
		4*4*15ml		
		4*6*15ml		
		4*8*15ml		
		4*50ml	5000	4390
		4*2*50ml	4000	3500
No.3	Adapter	4*250ml	4000	3500
		4*8*5ml		
		4*8*7ml		
		4*8*10ml		
		4*2*50ml		
		4*100ml		
No.4	Swing Rotor	4*12*7/5ml	4000	2800
No.5		4*18*7/5ml	4000	2800
No.6		4*24*7/5ml	4000	2800
No.7		2*2*48well	4000	2300
No.8	Microplate	2*2*96well	4000	2300

Low Speed Large Capacity Refrigerated Centrifuge

Features:

- * Programmable microprocessor control (AC brushless motor).
- * LCD & LED display: speed, RCF, time and temperature, conversion of RPM/RCF.
- * CFC-free refrigeration, fast cooling, cycle defrost system;
- * External cold-rolled steel with powder coating steel, stainless steel centrifugal chamber and lid.
- * Fan-forced air circulation system for fast recovery of temperature.
- * 10 procedures of adjustable speed from grad 0 to 9 and 40 kinds of self-defining modes.
- * Electronic lock lid and interlock safety system.
- * Alarm: lid open, imbalance, over speed, over temperature, rotor mounting abnormally.
- * Functions: RCF selection, quick run, automatic rotor recognition and backup, electronic imbalance detection, dynamic electric brake system.

Technical Parameters:

Model	BKC-TL5RL	BKC-VL6RLII
Max. Capacity	4*750ml	6*1000ml
Max. Speed	5500rpm	6000rpm
Max. RCF	5310xg	6680xg
Speed Precision	±20rpm	
Temp. Range	-20~40℃	
Temp. Accuracy	±1℃	
Timing Range	0~99h59min59s	0~59h59min59s
Noise	<58dB	
Consumption	2.5KW	4KW
Power Supply	AC110/220V, 50/60Hz	
External Size(W*D*H) mm	800*700*400	830*720*1250
Packing Size(W*D*H) mm	950*850*600	960*849*1420
Net Weight(kg)	110	268
Gross Weight(kg)	135	320



BKC-VL6RLII



BKC-TL5RL

Rotor for BKC-VL6RLII:

No.	Rotor	Speed(rpm)	RCF(xg)	Capacity	No.	Rotor	Speed(rpm)	RCF(xg)	Capacity
No.1	Angle Rotor	6000	5650	6*300ml	No.3	Swing Rotor (round cup)	4200	5100	6*1000ml
No.2	Angle Rotor	6000	6680	6*500ml	No.4	Swing Rotor (square cup)	4200	5100	6*1000ml

Rotor for BKC-TL5RL:

No.	Rotor	Speed(rpm)	RCF(xg)	Capacity	No.	Rotor	Speed(rpm)	RCF(xg)	Capacity
No.1	Swing Rotor	5000	4390	4*100ml	No.2	Adapter	4000	3500	4*2*50ml
				4*2*100ml		Swing Rotor	4000	3580	4*100ml
				4*4*10ml					4*500ml
	4*8*10ml	4*15*5/7ml							
	Tube Rack	4000	3500	4*4*15ml	No.3	Adapter	4000	3580	4*12*10ml
				4*8*15ml					4*8*15ml
				4*8*15ml					4*4*50ml
4*8*15ml				4*2*100ml					
Tube Rack	5000	4390	4*50ml					4*250ml	
Tube Rack	4000	3500	4*2*50ml	No.4	Swing Rotor	4000	3580	4*750ml	
No.2	Swing Rotor	4000	3500	4*2*50ml	No.5	Swing Rotor	4000	2800	4*12*5/7ml
				4*8*5/7ml					No.6
	Adapter	4000	3500	4*8*10ml	No.7	Swing Rotor	4000	2800	4*24*5/7ml

Table Top Low Speed Refrigerated Centrifuge

Features:

- * Microprocessor control, LED display.
- * Quiet, maintenance-free brushless drive.
- * Double Lid and Lock system.
- * RPM setting function, and short-spin function.
- * The shortest Acc/Dec time is less than 30s.
- * Pre-cooling before the rotor start and fast cooling function.
- * Acc/Dec: Choice of 15 acceleration and deceleration rates.
- * 20 programs memory for standard runs, programmability is available.
- * Easily adjust speed, RCF, time and temperature during the running without stop.
- * Automatic rotor recognition and imbalance detection, audible alarm for error and imbalance.
- * Automatic temperature compensation, to ensure that the samples do centrifugal in a safe temperature.



Technical Parameters:

Model	BKC-TL5RII
Max. Speed	5500rpm
Max. RCF	5400xg
Maximum Capacity	4*300ml
Speed Precision	±10rpm
Noise	<60dB
Timing Range	1s~999min / continuous / short spin
Temperature Range	-20~40℃
Temperature Accuracy	±1℃
Power Supply	AC110/220V, 50/60Hz
External Size(W*D*H)mm	450*575*520
Package Size(W*D*H)mm	820*740*685
Net Weight(kg)	110
Gross Weight(kg)	120

Rotor:

With mark (●) is round-bottom tube, with mark (▲) is sharp-bottom tube. Custom adapter according the user's requirements.

No.	Rotor	Capacity	Speed(rpm)	RCF(xg)
No.1	Swing Rotor	4*300ml	4500	3781
Adapter	4*250ml, 4*100ml, 12*50ml, 40*10ml(●), 16*15ml(▲), 56*5ml			
No.2	Angle Rotor	6*50ml	5500	5400
No.3	Microplate Rotor	4*96well	4000	2260

Low Speed Refrigerated Centrifuge

Features:

- * Microprocessor control, LED display.
- * Quiet, maintenance-free brushless drive.
- * Double Lid and Lock system.
- * 20 programs memory for standard runs, programmability is available.
- * Acc/Dec: Choice of 15 acceleration and deceleration rates.
- * RPM setting function, and short-spin function.
- * Automatic rotor recognition and imbalance detection, audible alarm for error and imbalance.
- * Easily adjust speed, RCF, time and temperature during the running without stop.
- * The shortest Acc/Dec time is less than 30s.
- * Pre-cooling before the rotor start and fast cooling function.
- * Automatic temperature compensation, to ensure that the samples do centrifugal in a safe temperature.



Technical Parameters:

Model	BKC-TL5RIII
Max. Speed	5500rpm
Max. RCF	5400xg
Maximum Capacity	4*750ml
Speed Precision	±10rpm
Noise	<60dB
Timing Range	1s~999min / continuous / short spin
Temperature Range	-20~40℃
Temperature Accuracy	±1℃
Power Supply	AC110/220V, 50/60Hz
External Size(W*D*H)mm	600*790*890
Package Size(W*D*H)mm	830*700*1080
Net Weight(kg)	120
Gross Weight(kg)	160

Rotor:

With mark (●) is round-bottom tube, with mark (▲) is sharp-bottom tube. Custom adapter according the user's requirements.

No.	Rotor	Capacity	Speed (rpm)	RCF(xg)
No.1	Swing Rotor	4*750ml	4200	3648
Adapter	4*500ml, 4*250ml, 12*100ml, 20*50ml(▲), 56*15ml/20ml(▲), 76*15ml, 96*5ml(vacuum blood collection tube), 144*5ml(immuno tubes)			
No.2	Angle Rotor	6*50ml	5500	5400
No.3	Microplate Rotor	2*2*96well	4000	2260

Table Top High Speed Refrigerated Centrifuge



Introduction:

BKC - TL16RE high-speed refrigerated centrifuge uses the microcomputer control, frequency conversion brushless motor, is the separation of mixed liquid at high speed, special equipment.

Application:

It is widely used in scientific research, genetic engineering, genetics, life science, biology, chemistry, medical units, such as easy operation, fast refrigeration, less suitable for separation, centrifugal demand is high, low temperature experiment.

Features:

- * The machine adopts all steel body, stainless steel centrifugal chamber, compact structure, low noise.
- * Embedded microprocessor control, precise control of speed, time, temperature and relative centrifugal force.
- * Real-time display of all operating parameters, simple operation.
- * Equipped with door cover protection, overspeed and advanced electronic unbalance detection system, real-time monitoring of centrifuge process to ensure the safe operation of the instrument.
- * High quality rubber door seal, good sealing performance.
- * Equipped with a variety of rotors, to meet different experimental requirements, a multi-purpose machine.
- * Refrigerated centrifuge adopts well-known brand compressor and R290 refrigerant.

Technical Parameters:

Model	BKC - TL16RE
Max. Speed	16000rpm
Max. Capacity	12*10ml
Max. RCF	20878×g
Temp. Range	-20℃~40℃
Speed Precision	±1% or ±30 rpm(Max)
Time Range	(1~999min)
Noise	≤65dB
External Size(L*W*H)mm	560*500*340
Power Supply	AC 220±10%V, 50±1Hz
Consumption	500W
Package Size(L*W*H)mm	660*600*560
Net Weight/Gross Weight(kg)	47/62



Rotor:

No.	Rotor	Capacity	Max.Speed(rpm)	Max.RCF(×g)
No.1	Angle Rotor	40*0.2ml	16000	19040
No.2		24*0.5 ml		18480
No.3		12*1.5/2.0 ml		17940
No.4		10*5 ml		17800
No.5		20*1.5/2 ml	14000	15580
No.6		24*1.5/2.0 ml		17950
No.7		12*10 ml	13000	14190
No.8		40*0.5 ml		17210
No.9		30*0.5 ml		13900
No.10		4*8pcr ml	14000	13720

Table Top High Speed Refrigerated Centrifuge

Features:

- * Maintenance-free brushless motor.
- * Unbalance, over-speed, over-heat protection.
- * LCD display.
- * With motor gate lock mute mechanical & electrical integration.
- * Provide more than 100 kinds of operating models.
- * 10 levels for speed-up and speed-down control.



Technical Parameters:

Model	BKC-TH16RIII	BKC-TH20RIII
Max. Capacity	4*100ml	
Max. Speed	16800rpm	20800rpm
Max. RCF	19600xg	30000xg
Speed Precision	±50rpm	
Temp range	-20~40°C	
Temp accuracy	±1°C	
Timing	0~99h59min	
Noise	≤60dB	
Power supply	AC110/220V, 50/60Hz	
Power consumption	1.5KW	
External size(W*D*H) mm	710*630*350	
Packing size(W*D*H) mm	850*740*570	
Net weight(kg)	75	
Gross weight(kg)	107	

Rotor:

Model	BKC-TH16RIII			BKC-TH20RIII		
	Speed(rpm)	RCF(xg)	Capacity	Speed(rpm)	RCF(xg)	Capacity
Angle Rotor	16800	19600	12*1.5/2.0ml	20800	30000	12*1.5/2.0ml
	14000	18180	24*1.5/2.0ml	14000	18180	24*1.5/2.0ml
	14000	13600	18*1.5ml	16000	17700	18*1.5ml
	11000	12900	30*1.5ml	12000	15300	30*1.5ml
	12000	13800	48*0.5ml	13000	16300	48*0.5ml
	13000	11700	10*5ml	16000	17700	10*5ml
	12000	13400	12*10ml	14000	18800	12*10ml
	12000	14800	8*15ml	12000	14800	8*15ml
	11000	11600	6*50ml	12000	13800	6*50ml
	9000	8500	4*100ml	10000	10500	4*100ml
Microplate	4000	2100	4*50ml	4000	2150	4*50ml
Swing Rotor	3000	1400	2*2*48Well	3000	1400	2*2*48Well

Table Top High Speed Refrigerated Centrifuge



Features:

- * LCD display: indicating setting parameters and actual parameters.
- * Brushless motor: high torque and variable frequency.
- * Safety: over-speed and over-temperature protection, imbalance detection, shock absorber to keep motor running smoothly.
- * Stainless steel chamber.
- * Inching function.
- * Mute mechatronics motor door lock.
- * Over 20 selectable procedures, 9 levels speed-up and speed-down control.

Technical Parameters:

Model	BKC-TH16R	BKC-TH20R
Max. Capacity	12*10ml	6*50ml
Max. Speed	16000rpm	20000rpm
Max. RCF	18180xg	27700xg
Standard Rotor	12*1.5/2.0ml	
Speed Precision	±50rpm	
Refrigeration System	CFC-free (R404a)	
Temp. Range	-20°C~40°C	
Temp. Precision	±1°C	
Timing Range	0~99h59min	
Noise	<60dB	
Consumption	1.5KW	
Power Supply	AC110/220V, 50/60Hz	
External Size(W*D*H) mm	710*630*350	
Package Size(W*D*H) mm	860*780*550	
Net/Gross Weight(kg)	73/95	

Rotor:

Model	Capacity	BKC-TH16R		BKC-TH20R	
		Speed(rpm)	RCF(xg)	Speed(rpm)	RCF(xg)
Angle Rotor	12*1.5/2.0ml	16000	17800	20000	27700
	10*5ml	13000	11700	16000	17700
	24*1.5/2.0ml	14000	18180	14000	18180
	12*10ml	12000	13400	12000	13400
	6*50ml	/	/	12000	13800

Table Top High Speed Refrigerated Centrifuge



Features:

- * LCD display: indicating setting parameters and actual parameters.
- * Brushless motor: controlled by microchip's dsPIC30F series SCM and driven by FAIRCHILD'S FSBB30CH series driver module.
- * Safety: over-speed and over-temperature protection, imbalance detection, shock absorber to keep motor running smoothly, three layers steel structure to secure personnel and machine safety.
- * Mute mechatronics motor door lock.
- * Over 100 selectable procedures and freely self-defining modes.

Technical Parameters:

Model	BKC-TH12R	BKC-TH24RII
Max. Capacity	4*100ml	
Max. Speed	12000rpm	24000rpm
Max. RCF	13400xg	39900xg
Speed Precision	±50rpm	
Refrigeration System	CFC-free (R404a)	
Temp. Range	-20°C~40°C	
Temp. Precision	±1°C	
Timing Range	0~99h59min	
Noise	<60dB	
Identify Rotor	Automatic	
Consumption	1.5KW	
Power Supply	AC110/220V, 50/60Hz	
External Size(W*D*H) mm	710*630*350	
Package Size(W*D*H) mm	960*830*550	
Net/Gross Weight(kg)	75/120	

Rotor:

Model	Capacity	BKC-TH12R		BKC-TH24RII	
		Speed(rpm)	RCF(*g)	Speed(rpm)	RCF(*g)
Angle Rotor	12*1.5/2.0ml	12000	10000	24000	39900
	24*1.5/2.0ml	11500	12300	16000	23800
	18*1.5ml	/	/	16000	17700
	30*1.5ml	/	/	12000	15300
	48*0.5ml	/	/	13500	17500
	10*5ml	12000	10000	20000	27700
	12*5/10ml	12000	13400	15000	21600
	8*15ml	/	/	12000	14800
	6*50ml	10000	9600	12000	13800
	4*100ml	/	/	11000	11720
Swing Rotor	4*50ml	4000	2150	/	/
	4*100ml	4000	2490	/	/
Microplate	2*2*48Well	/	/	3000	1400

High Speed Refrigerated Centrifuge

Features:

- * LCD display, microprocessor control, indicating setting parameters and actual parameters at the same time.
- * AV motor: high torque and variable frequency, free from contamination caused by carbon dust.
- * Imported drive system and automatic control system to ensure steady and reliable operation.
- * Safety: Over-temperature and over-speed protection, electronic locking, imbalance detection.
- * Can set 16 procedures, parameters can be modified during running.
- * 10 levels speed-up and speed-down control.
- * Can indicate rotor speed ascending and declining curves, centrifugal integral curves and temperature curves.



Technical Parameters:

Model	BKC-VH20R	BKC-VH21RII
Max. Capacity	6*500ml	
Max. Speed	20000rpm	21000rpm
Max. RCF	43840×g	48330×g
Speed Precision	±50rpm	
Up and Down Speed Rate	Option set	
Temp. Range	-20~40℃	
Temp. Precision	±1℃	
Timing Range	0~99h59min	
Noise	<65dB	
Consumption	4.0KW	
Power Supply	AC110/220V, 50/60Hz	
External Size(W*D*H) mm	820*710*950	
Package Size(W*D*H) mm	1070*830*1145	
Net/Gross Weight(kg)	240/300	



Rotor:

Model	Capacity	BKC-VH20R		BKC-VH21RII	
		Speed(rpm)	RCF(xg)	Speed(rpm)	RCF(xg)
Angle Rotor	16*10ml	20000	43840	21000	48330
	6*50ml	18000	37580	18000	37580
	8*50ml	16000	29365	16000	29365
	6*70ml	15000	25700	/	/
	8*100ml	12000	19830	12000	19830
	6*250ml	12000	22530	12000	22530
	6*300ml	10000	18550	10000	18550
	6*500ml	8000	11800	8000	11800
	6*500ml (Beckman bottle)	10000	17700	10000	17700
	30*1.5ml	18000	34485	18000	34485
Microplate	2*2*96 Well	4000	2360	4000	2360

High Speed Refrigerated Centrifuge

Features:

- * LCD display, indicating setting parameters and actual parameters at the same time.
- * Brushless motor: Controlled by micro chip's dsPIC30F series SCM and driven by FAIR CHILD'S FSB830CH series driver module.
- * Safety: over-speed and over-temperature protection, imbalance detection shock absorber to keep motor running smoothly.
- * Mute mechatronics motor door lock.
- * Over 20 selectable procedures and freely self-defining modes.
- * 10 levels speed-up and speed-down control.

Rotor:



Technical Parameters:

Model	BKC-VH20RII
Max. Capacity	4*750ml
Max. Speed	20600rpm
Max. RCF	29400×g
Standard Rotor	12*1.5/2.0ml
Speed Precision	±50rpm
Refrigeration System	CFC-free (R404a)
Temp. Range	-20℃~40℃
Temp. Precision	±1℃
Control and Driven System	Frequency motor, micro control, direct driver
Timing Range	0~99h59min
Noise	≤65dB
Identify Rotor	Automatic
Consumption	2.0KW
Power Supply	AC110/220V, 50/60Hz
External Size(W*D*H) mm	710*560*770mm
Package Size(W*D*H) mm	885*705*1195
Net/Gross Weight(kg)	160/218



Rotor:

Rotor	Capacity	Speed(rpm)	RCF(xg)	Rotor	Capacity	Speed(rpm)	RCF(xg)
Angle Rotor	12*1.5/2.0ml	20600	29400	Angle Rotor	8*15ml	12000	14800
	4*750ml	4000	3500		6*50ml	12000	13800
Swing Rotor	4*500ml(Available adaptor: 4*250/300ml, 4*8*15ml, 4*12*10ml, 4*3*50ml, 4*19*5ml (vacuum tube))	4000	3580		8*50ml	10000	10500
					4*100ml	10000	10500
					6*100ml	11000	14520
Angle Rotor	24*1.5/2.0ml	14000	18180	Microplate	6*250ml	8000	9200
	12*5/10ml	14000	18800		2*2*96 well	4000	2360
					4*2*96 well	4000	2910

Large Capacity High Speed Refrigerated Centrifuge



6*1000ml

Features:

- *LCD display, microprocessor control, indicating setting parameters and actual parameters at the same time.
- *AV motor: high torque and variable frequency, free from contamination caused by carbon dust.
- *Imported drive system and automatic control system to ensure steady and reliable operation.
- *Safety: Over-temperature and over-speed protection, electronic locking, imbalance detection.
- *Can set 16 procedures, parameters can be modified during running.
- *10 levels speed-up and speed-down control.
- *Can indicate rotor speed ascending and declining curves, centrifugal integral curves and temperature curves.

Technical Parameters:

Model	BKC-VH10RL
Max. Capacity	6*1000ml
Max. Speed	10000rpm
Max. RCF	18300xg
Speed Precision	±50rpm
Control and Driven System	Frequency motor, micro control, direct driver
Refrigeration System	CFC-free (R404a)
Temp. Range	-20°C~40°C
Temp. Precision	±1°C
Timing Range	0~99h59min
Noise	<65dB
Consumption	5.7KW
Power Supply	AC110/220V, 50/60Hz
External Size(W*D*H) mm	840*730*950
Package Size(W*D*H) mm	1085*835*1165
Net/Gross Weight(kg)	280/370

Rotor:

Model	Capacity	Speed(rpm)	RCF(xg)
Angle Rotor	6*1000ml	7000	11500
	6*250ml	10000	15093
	6*500ml	8000	11800

Large Capacity High Speed Refrigerated Centrifuge

Features:

- * LCD display, Brushless motor
- * Over 100 selectable procedures and freely self-defining modes.
- * Safety: over-speed and over-temperature protection, imbalance detection, shock absorber to keep motor running smoothly, three layers steel structure to secure personnel and machine safety.



Technical Parameters:

Model	BKC-TH20RL
Max. Capacity	6*250ml
Max. Speed	20600rpm
Max. RCF	29280xg
Standard Rotor	12*1.5/2.0ml
Speed Precision	±50rpm
Refrigeration System	CFC-free (R404a)
Temp. Control Range	-20°C ~40°C
Temp. Precision	±1°C
Control and Driver System	Frequency motor, micro control, direct driver
Timing Range	0~99h59min
Noise	<60dB
Identify Rotor	Automatic
Consumption	1.8KW
Power Supply	AC110/220V, 50/60Hz
External Size(W*D*H) mm	630*760*400
Package Size(W*D*H) mm	910*910*605
Net/Gross Weight(kg)	140/162



4*100ml



4*250ml



6*100ml



8*15ml



6*50ml



12*1.5/2.0ml



12*10ml



24*1.5/2.0ml



32*15ml



Microplate rotor

Rotor:

Model	Capacity	Speed(rpm)	RCF(xg)	Model	Capacity	Speed(rpm)	RCF(xg)
Angle Rotor	12*1.5/2.0ml	20600	29400	Swing Bucket Rotor	8*50ml	4000	2810
	24*1.5/2.0ml	14000	18180		32*15ml	4000	2810
	12*5/10ml	14000	18800		32*10ml	4000	2810
	8*15ml	12000	14800		48*5ml/2ml (vacuum tube)	4000	2940
	6*50ml	12000	13800		76*5ml/2ml (vacuum tube)	4000	3100
	8*50ml	10000	10500		4*250ml	4000	3290
	4*100ml	10000	10500		(Available adaptor: 8*50ml, 4*6*15ml, 4*8*10ml, 4*10*5ml)		
Swing Bucket Rotor	4*50ml	5000	4800				
Rotor	4*100ml	5000	4800				
Microplate	2*2*96well	4000	2360				

Table Top High Speed Centrifuge



Features for BKC-TH16II:

- * DC Brushless motor with high start torque and frequency inversion for smooth running, maintenance-free.
- * Microprocessor control, LED display, Memory flashing function, conversion of RPM/RCF.
- * External cold-rolled steel with powder coating steel, stainless steel centrifugal chamber.
- * Procedures of adjustable speed from grad 0 to 9 and 40 kinds of self-defining models.
- * Functions: Electronic lock lid, imbalance detection, over-speed protection, inching function, short-spin function.

Technical Parameters:

Model	BKC-TH16II
Max. Capacity	4*100ml
Max. Speed	16600rpm
Max. RCF	19200×g
Speed Precision	±50rpm
Timing Range	0~99min
Noise	≤65dB
Power Supply	AC110/220V, 50/60Hz
External Size(W*D*H) mm	400*350*340
Package Size(W*D*H) mm	690*440*350
Net Weight(kg)	20
Gross Weight(kg)	30

Rotor:

Rotor	BKC-TH16II Speed(rpm)	RCF(xg)	Capacity
Angle Rotor	16600	19200	18*0.5ml
	16600	19200	12*2.2/1.5ml
	13000	16060	48*0.5ml
	13000	16060	24*2.2/1.5ml
	13000	11500	10*5ml
	12000	14800	12*10ml
	12000	14800	6*50ml
	10000	11220	12*15ml
	10000	11200	4*100ml
	4000	2300	2*2*48 well
Micro Plate			

Table Top High Speed Refrigerated Centrifuge

Features:

- * Programmable microprocessor control(AC brushless motor).
- * LCD display: speed, RCF, time and temperature, conversion of RPM/RCF.
- * CFC-free refrigeration, fast cooling, cycle defrost system.
- * External cold-rolled steel with powder coating steel, stainless steel centrifugal chamber and lid.
- * Fan-forced air circulation system for fast recovery of temperature.
- * 10 procedures of adjustable speed from grad 0 to 9.
- * Electronic lock lid and interlock safety system, auto lock rotor system.
- * Alarm: lid open, imbalance, over speed, over temperature, rotor mounting abnormally.
- * Functions: RCF selection, quick run, automatic rotor recognition and backup, electronic imbalance detection, dynamic electric brake system, memory-based programmed operation, inching function, short-spin function.



Technical Parameters:

Model	BKC-TH16RII	BKC-TH20RII
Max. Capacity	4*100ml	
Max. Speed	16000rpm	20500rpm
Max. RCF	17800×g	29200×g
Speed Precision	±30rpm	
Temp Range	-20~40℃	
Temp Accuracy	±1℃	
Timing	0~99h59min	
Noise	≤65dB	
Power Supply	1.5KW	1.75KW
Power Consumption	AC110/220V, 50/60Hz	
External Size(W*D*H) mm	600*580*370	
Package Size(W*D*H) mm	630*660*440	690*712*615
Net Weight(kg)	90	95
Gross Weight (kg)	92	98

Rotor:

Model	BKC-TH16RII			BKC-TH20RII		
	Speed(rpm)	RCF(xg)	Capacity	Speed(rpm)	RCF(xg)	Capacity
Angle Rotor	16000	17800	18*0.5ml	20500	29200	18*0.5ml
	16000	17800	12*2.2/1.5ml	20500	29200	12*2.2/1.5ml
	13000	16060	48*0.5ml	15000	21000	48*0.5ml
	13000	16060	24*2.2/1.5ml	15000	21000	24*2.2/1.5ml
	13000	11500	10*5ml	15000	14800	10*5ml
	12000	14800	12*10ml	15000	23120	12*10ml
	12000	14800	6*50ml(●)	13000	17400	6*50ml
	10000	11220	12*15ml	12000	13200	12*15ml
	10000	11220	4*100ml	10000	11200	4*100ml
	4000	2300	2*2*48well	4000	2300	2*2*48well
Microplate						

Large Capacity High Speed Refrigerated Centrifuge



Features:

- * Programmable microprocessor control(AC brushless motor)
- * LCD & LED display: speed, RCF, time and temperature, conversion of RPM/RCF
- * CFC-free refrigeration, fast cooling and cycle defrost system
- * External cold-rolled steel with powder coating steel, stainless steel centrifugal chamber and lid
- * Fan-forced air circulation system for fast recovery of temperature
- * 10 procedures of adjustable speed from levels 0 to 9 and 40 kinds of self-defining modes
- * Electronic lock lid and interlock safety system
- * Alarm: lid open, imbalance, over speed, over temperature, rotor mounting abnormally
- * Functions: RCF selection, quick run, automatic rotor recognition and backup, imbalance detection, dynamic electric brake system, inching function, short-spin function

Technical Parameters:

Model	BKC-TH21RL
Max. Capacity	4*750ml
Max. Speed	21000rpm
Max. RCF	30700xg
Speed Precision	±20rpm
Temp. Range	-20~40℃
Temp. Accuracy	±1℃
Timing Range	0~99h59min59s
Noise	≤65dB
Consumption	2.5KW
Power Supply	AC110/220V, 50/60Hz
External Size(W*D*H) mm	800*700*400
Package Size(W*D*H) mm	810*770*500
Net Weight(kg)	110
Gross Weight(kg)	140

Rotor:

No.	Rotor	Speed(rpm)	RCF(xg)	Capacity	No.	Rotor	Speed(rpm)	RCF(xg)	Capacity	
No.1	Angle Rotor	21000	30700	18*0.5ml	No.13	Adapter	4000	3500	4*8*5ml	
No.2				12*2.2/1.5ml					4*8*7ml	
No.3		16000	23550	48*0.5ml					4*8*10ml	
No.4				24*2.2/1.5ml					4*2*50ml	
No.5				17420					10*5ml	4*100ml
No.6		15000	24300	32*2.2/1.5ml	No.14	Swing Rotor	4000	3580	4*500ml	
No.7			23120	12*10ml					4*15*5ml	
No.8			14000	20150					6*50ml	4*15*7ml
No.9				21940					4*100ml	4*12*10ml
No.10		12000	13200	12*15ml	No.15	Adapter	4000	3580	4*8*15ml	
No.12	Swing Rotor	5000	4390	4*100ml					4*4*50ml	
				4*2*100ml					4*2*100ml	
	Adapter	4000	3500	4*4*10ml					4*250ml	
				4*6*10ml					4*750ml	
				4*8*10ml					4*12*5ml	
				4*4*15ml					4*12*7ml	
				4*6*15ml					4*18*5ml	
				4*8*15ml					4*18*7ml	
				4*2*50ml					4*24*5ml	
				/					4*24*7ml	
	5000	4390	4*50ml	No.32	Microplate	4000	2300	2*2*96we		
No.13	Swing Rotor	4000	3500	4*250ml			No.34	2300	2*2*48we	

Table Top High Speed Refrigerated Centrifuge

Features:

- * Microprocessor controls , LED displays .
- * Maintenance-free brushless motor.
- * Double Lid and Lock system, door locks automatically once starting running.
- * 20 standard programs, programmability is available.
- * Automatic rotor recognition and imbalance detection.
- * Adjustable acceleration levels: 15, deceleration levels: 15.
- * The shortest Acc/Dec time is less than 15s.
- * Pre-cooling and fast cooling function, temperature dropped to 40°C within 10 minutes.
- * Automatic temperature compensation.



Technical Parameters:

Model	BKC-TH18R
Max. Speed	18500rpm
Max. RCF	26019xg
Max. Capacity	10ml*12
Speed Precision	±20rpm
Temp. Range	-20°C~40°C
Temp. Accuracy	±1.0°C
Timing Range	1s~999min / continuous / short spin
Noise	< 60dB
Power Supply	110/220V, 50/60Hz
External Size(W*D*H)mm	545*505*410
Package Size(W*D*H)mm	735*630*675
Net Weight(kg)	70
Gross Weight(kg)	88

Rotor:

Angle Rotor	Speed(rpm)	RCF(xg)	Capacity	Angle Rotor	Speed(rpm)	RCF(xg)	Capacity
H0.512	18500	18366	12*0.5ml	H0512	14800	16284	12*5ml
H0212	18500	26019	12*1.5ml/2.2ml	H1012	13200	17726	12*10ml
H0224	15300	22245	24*1.5ml/2.2ml	H0.548	12000	12577	48*0.5ml
H0236	12500	14848	36*1.5ml/2.2ml	H0.232	12500	11355	4*8*0.2ml
H0.136	12000	16241	36*Capillary rotor				PCR tube

with mark (●) is round-bottom tube, with mark (▲) is sharp-bottom tube. We can do custom adapter according the user's requirements.

High Speed Refrigerated Centrifuge

Features:

- * Microcomputer control; Non carbon brush, AC motor.
- * Large LCD display.
- * Double door lock system.
- * 40 programs memory for standard runs, programmability is available.



6*500ml



Technical Parameters:

Model	BKC-VH21RL
Max. Speed	21000rpm
Max. RCF	47580xg
Max. Capacity	4*750ml
Speed Precision	±30rpm
Temp. Range	-20°C~40°C
Temp. Accuracy	±2.0°C
Timing Range	1min~23h59min
Noise	≤65dB
Consumption	3500W
Power Supply	110/220V, 50/60Hz, 10A
External Size(W*D*H)mm	825*625*910
Package Size(W*D*H)mm	930*730*1010
Net Weight(kg)	205
Gross Weight(kg)	250

Rotor:

Rotor No.	Rotor	Capacity	Speed(rpm)	RCF(xg)
No.1	Angle Rotor	16*10ml	21000	47580
No.2	Angle Rotor	6*50ml	20000	43000
No.3	Angle Rotor	8*100ml	13000	19830
No.4	Angle Rotor	6*250ml	12000	21700
No.5	Angle Rotor	6*500ml	8000	11680
No.6	Angle Rotor	4*250ml	13000	23420
No.7	Angle Rotor	8*50ml	15000	27720
No.8	Swing Rotor	4*750	4000	2300

High Speed Refrigerated Centrifuge



Features:

- * Universal centrifuge, optional fixed-angle rotor, swing-bucket rotor, plate rotor.
- * Microprocessor touch-keypad controls, LED displays can be read easily with the rotor model, time, RCF and speed.
- * The Soft Touch Keypad, parameters setting function, special key for RCF.
- * Quiet, maintenance-free brushless drive.
- * Double Lid and Lock system, door locks automatically once starting running.
- * 20 standard programs, programmability is available.
- * Adjustable acceleration levels: 15, deceleration levels: 15.
- * RPM setting function, RCF setting function.
- * Short spin function.
- * Double layers steel structure, anti-corrosion coating.
- * Automatic rotor recognition and imbalance detection for maximum operational safety, when the error and imbalance happen, it will have audible alarm.
- * Easily adjust speed, RCF, time and temperature during the running without stop.
- * The shortest Acc/Dec time is less than 15s.
- * Pre-cooling and fast cooling function, temperature dropped 40°C within 10 minutes.
- * Automatic temperature compensation.
- * Danfoss compressor kit.

Technical Parameters:

Model	BKC-TH23RII	BKC-TH24R	BKC-TH24RL
Max. Speed	23000rpm	24000rpm	24000rpm
Max. RCF	36795xg	40217xg	40217xg
Max. Capacity	6*100ml	4*300ml	4*750ml
Speed Precision	±20rpm		
Timing Range	1s-999min/continuous/short spin		
Temp. Range	-20°C~40°C		
Temp. Accuracy	±1.0°C		
Noise	≤60dB		
Power Supply	110/220V, 50/60Hz		
External Size(W*D*H)mm	570*590*490	570*590*490	600*790*890
Package Size(W*D*H)mm	775*690*660	820*740*685	830*700*1080
Net Weight(kg)	95	95	120
Gross Weight(kg)	110	120	160

Rotor:

with mark (●) is round-bottom tube, with mark (▲) is sharp-bottom tube. We can do custom adapter according to the user's requirements.

Angle Rotor	Capacity	BKC-TH23RII		BKC-TH24R		BKC-TH24RL	
		Speed(rpm)	RCF(xg)	Speed(rpm)	RCF(xg)	Speed(rpm)	RCF(xg)
H0.512	12*0.5ml	23000	28828	24000	32625	24000	32625
H0.524	24*0.5ml	18000	24631	18000	24631	18000	24631
H0212	12*1.5ml/2.2ml	22000	36795	23000	40217	23000	40217
H0224	24*1.5ml/2.2ml	16500	25871	16500	25871	16500	25871
H0236	36*1.5ml/2.2ml	14000	34237	14000	34237	14000	34237
H0512	12*5ml	16500	25871	16500	25871	16500	25871
H1012	12*10ml	15000	22891	15000	22891	15000	22891
H1508	8*15ml(●)	12500	15721	12500	15721	12500	15721
H0524	24*5ml	13000	19838	13000	19838	13000	19838
H1024	24*10ml	12000	19320	12000	19320	12000	19320
H5006	6*50ml	13000	19838	13000	19838	13000	19838
H8504	4*100ml/85ml	12000	16904	12000	16904	12000	16904
H0.548	48*0.5ml	16000	22324	16000	22324	16000	22324
H0.232	4*8*0.2ml PCR	14000	18848	14000	18848	14000	18848
H8506	6*100ml	12000	19320	12000	19320	12000	19320
H0.136	36*Capillary rotor	12000	16241	12000	16241	12000	16241
H3006	6*30ml	15000	21885	15000	21885	15000	21885

Model	BKC-TH23RII	BKC-TH24R	BKC-TH24RL
No.1 swing rotor	4*50ml 5000rpm 3913xg	4*300ml 4500rpm 3781xg	4*750ml 4200rpm 3648xg
No.2 swing rotor	/	4*200ml 4200rpm 3175xg	4*300ml 4500rpm 3781xg
No.3 swing rotor	/	/	4*450ml 4200rpm 3451xg
No.5 Microplate rotor	2*2*48well 5000rpm 2375xg	2*2*96well 4000rpm 2260xg	

Car Refrigerator



CR-19

Features

1. Removable tray for extra storage.
2. Environment-friendly semiconductor cooling, low noise.

Technical Parameters

Model	CR-19
Display	LED
Capacity	19L
Temp. Range	Cooling:22~25℃ lower than the ambient temperature; Heating:60±5℃
Consumption	Cooling:70W; Heating:60W
Power Supply	DC12V/24V, AC220V, 50Hz; 110V, 50Hz
External Size(W*D*H) mm	465*315*340
Internal Size(W*D*H) mm	380*180*250
Package Size(W*D*H) mm	510*360*390
Gross Weight	7.5kg

Portable Refrigerator



Technical Parameters

Model	BJPX-L5	BJPX-L6	BJPX-L8	BJPX-L12
Outer Size(mm)	266*215*225	330*235*275	335*225*205	400*250*300
Inner Capacity	5L	6L	8L	12L
Product Configuration	1pc refrigerator; 4 pcs Crystal storage ice box 400ml; 1pc digital thermometer (no recording function); BJPX-L8 has extra 1 pc tray; BJPX-L12 has extra 1 pc tray; BJPX-L12 has 6 pcs Crystal storage ice box 400ml			
Insulation Material	PU		EPS	PU
Optional	1 set of temperature and humidity recorder + 1 set of printer			
Gross Weight	6kg (4pcs in one box)	7kg (2pcs in one box)	6kg (2pcs in one box)	8kg (1pc in one box)
Packing Size	560*405*395mm	560*405*395mm	560*405*395mm	560*405*395mm

Model	BJPX-L15	BJPX-L33	BJPX-L55	BJPX-L65	BJPX-L85
Outer Size(mm)	405*310*308	530*325*340	640*395*395	620*485*375	640*520*375
Inner Capacity	15L	33L	55L	65L	85L
Product Configuration	1pc refrigerator; Crystal storage ice box 400ml; 1pc digital thermometer (no recording function)				
Qty Of Crystal Storage Ice Box(pc)	6	12	12	15	12
Insulation Material	PU				
Optional	1 set of temperature and humidity recorder + 1 set of printer				
Gross Weight(kg)	8.5(1pc in one box)	6(1pc in one box)	7(1pc in one box)	9(1pc in one box)	9.5(1pc in one box)
Packing Size(mm)	560*405*395	550*340*360	660*405*405	640*505*395	660*540*395

Remark: The outside temperature is below +43℃, and the inside temperature of 2-8℃ can be maintained for about 24 hours

-25°C Freezer (Separate Refrigerator)



265L

368L

Technical Parameters

Model	BDF-25V265	BDF-25V368
External Size(W*D*H) mm	576*641*1687	720*830*1870
Capacity	Upper:160L Lower:105L	Upper:189L Lower:179L
Temp. Range	Upper: 2°C~8°C Lower: -10°C~-25°C	Upper: 2°C~8°C Lower: -10°C~-25°C
Temp. Accuracy	0.1°C	
Control System	Microprocessor control	
Alarm	Sensor failure alarm, high or low temperature alarm, open the door alarm; Thermostat failure (for BDF-25V368)	
Cooling Method	Direct cooling	
Refrigerant	CFC free	
Condenser	Wire tube condenser	
Construction	Structure	Unibody design and thickened environmental protection foam insulation layer
	Internal Material	PS plate Cold-rolled steel coated with
	External Material	Pre-coated galvanized plate anti-bacteria powder
Shelf / Drawer / Basket	Upper: 3 shelves, Lower: 4 drawers	
Consumption	125W	300W
Power Supply	AC220V±10%, 50/60Hz	AC220V±10%, 50/60Hz; AC110V ±10%, 60Hz
Package Size(W*D*H) mm	656*696*1739	775*920*1990
Gross Weight	65kg	166kg

-40°C Freezer (Separate Refrigerator)



58L

90L

368L

Technical Parameters

Model	BDF-40V58	BDF-40V90	BDF-40V368
External Size(W*D*H)	540*620*1115mm	600*610*945mm	720*830*1870mm
Internal Size(W*D*H)	361*405*406mm	440*447*640mm	Upper:580*626*625mm Down:468*638*625mm
Capacity	58L	90L	Upper:189; Down:179L
Type	Vertical		
Temp. Range	-15°C~-40°C		
Temp. Accuracy	0.1°C		
Control System	Microprocessor Control LED Display		
Alarm	BDF-40V58: High or low temperature alarm, sensor failure alarm; BDF-40V90&BDF-40V368: High or low temperature alarm, sensor failure alarm, power failure alarm, door open alarm;		
Refrigeration Type	Direct Refrigeration		
Refrigerant	R404a and R23	R290	R600a and R290
Compressor	Unicompressor, imported famous brand compressor		
Material	Structure	Unibody design	
	Internal	304 stainless steel	Sprayed steel plate
	External	Sprayed steel plate	Sprayed steel plate
Shelf	1 pc shelf	2 pcs shelves	Upper: 3 pcs shelves Down: 2 pcs shelves and 6 drawers
Consumption	340W	252W	402W
Power Supply	AC220V±10%, 50/60Hz; AC110V±10%, 60Hz(except BDF-40V90)		
Package Size	610*690*1275mm	725*735*1160mm	775*920*1990
Gross Weight	98kg	83kg	166kg

Laboratory Refrigerator



BPR-5V50(G)



BPR-5V100(G)

Technical Parameters

Model	BPR-5V50(G)	BPR-5V100(G)
External Size(W*D*H)mm	495*548*683	495*548*934
Internal Size(W*D*H)mm	415*405*455	415*405*706
Capacity	50L	100L
Temperature Range	2~8℃	
Temperature Accuracy	0.1℃	
Control System	Microprocessor Control	
Alarm	Audible and visual alarm for: High and low temperature, Door Ajar, Thermostat failure	
Refrigeration Type	Forced air refrigeration system	
Refrigerant	R600a	
Climate Type	N, SN	
Glass Door	Toughened with electric heating function, no condensation	
Construction	Constructure	Polyurethane cyclopentane foams
	Internal material	Spraying steel plate
	External material	Spraying steel plate
Consumption	85W	95W
Power Supply	AC220V±10%, 50/60Hz; AC110V±10%, 50/60Hz	
Shelves	2pcs, cold drawn steel wire impregnated shelf	3 pcs, cold drawn steel wire impregnated shelf
Door Lock	1 pcs	
Accessory	Standard: USB Port, LED Lamp	
	Optional: temperature recorder, printer(USB port can not be selected at the same time)	
Package Size(W*D*H)mm	560*668*858	560*668*1109
Gross Weight(kg)	49	61

Laboratory Refrigerator



260L



360L

Technical Parameters

Model	BPR-5V260	BPR-5V360
External Size(W*D*H) mm	540*635*1900	660*655*1980
Capacity	260L	360L
Temp. Range	2℃~8℃	
Temp. Accuracy	0.1℃	
Control System	Microprocessor Control, Large Screen LED Display	
Alarm	Audible and visual alarm for: High temperature & sensor failure, door ajar, Power failure alarm, Low battery alarm.	
Refrigeration Type	Forced air refrigeration system	
Refrigerant	R290, CFC Free	
Condenser & Evaporator	Bundy tube condenser	
Defrost	Frostless design	
Construction	Structure	Unibody design & mono-assembly foaming (Rigid polyurethane insulation material)
	Internal material	HIPS engineering plastics, abrasion and acid resistant
	External material	Cold-rolled steel coated with anti-bacteria powder
Shelves	Adjustable shelves made of high quality steel wire	
	4 pcs	5 pcs
Consumption	200W	350W
Power Supply	AC220V±10%, 50/60Hz	
Standard Accessory	LED lamp & shelves, USB, probe access port, door keys	
Package Size(W*D*H) mm	600*670*2150	720*750*2150
Gross Weight (kg)	87	124

Oil Bath



Features:

- * LED display
- * Automatic protection for overheating
- * Material: Main body is issteel plate with baking varnish; Internal is imported stainless steel
- * Advanced recycle pump system ensures good evenness of temperature(OB-2)

Technical Parameters:

Model	OB-1	OB-2
Temperature Range	RT~300°C	
Temperature Fluctuation	≤1°C	
Temperature Control Precision	≤1°C	
Heating Power	2000W	
Power Supply	110V/220V±10%,50/60HZ	
Circulatory System	None	Have
Circuation Pump Flow Rate	None	6L/min
Workroom Cubage	300*300*280mm³	450*300*280mm³
Package Size(W*D*H)	530*460*440mm	780*460*440mm
Gross Weight	15kg	40kg

Refrigerated and Heating Circulator

Refrigerated and Heating Circulator can be widely used in oil, physical, chemical, pharmaceutical, environmental protection and other fields of science, precision temperature control equipment.

Application:

Experiment that need heating and cooling, Fermentation Tank, Polarimeter, Refractometer, Spectrophotometer, Electrophoresis System, Chromatographic Column, Viscometer, Rotation Evaporation Instrument, Rheometer.

Features:

- * LCD display
- * Robust water tank: ultra-slushing and rust-proof
- * Low Noise design: use high quality compressor and mute pump.
- * Convenience function: Parameters memory function, temperature correction.
- * Fuzzy PID temperature control system: control temperature stability accurately and fast.
- * Multi-protection: Over-current protection, high and low temperature warning functions, dry-running protection.
- * ECO-refrigerant R134a and high quality compressor guarantee the cooling system ecofriendly and powerful
- * Compact design, removable venting grid for convenient cleaning to maintain cooling performance and drain off water.



Technical Parameters:

Model	BKL6-05	BKH6-05	BKL6-20	BKH6-20
Working Temp. Range	-5°C ~ 100°C	-5°C ~ 200°C	-20°C ~ 100°C	-20°C ~ 200°C
Temp. Control	PID			
Temp. Stability	±0.03°C			
Temp. Sensor	PT100			
Display Resolution	0.1°C			
Heater Consumption	2000 W			
Cooling Consumption	250W			
Refrigerant	R134a			
Pump Capacity Pressure	0.35bar			
Pump Flow Rate	10L/min			
Ambient Temp.	-20 ~ 70°C			
Filling Volume	6L			
Power Supply	AC220V±10%, 50Hz			
Bath Opening(W*D)	160*160mm			
Bath Dimensions(W*D*H)	320*180*150mm			
External Size(W*D*H)	400*250*650mm			
Package Size(W*D*H)	590*420*900mm			
Gross Weight	42kg			

Freeze Dryer

Laboratory Freeze Dryer

Introduction

The lab series freeze dryer is suitable for freeze drying test of laboratory biomedical samples. Widely used in drugs, biological products, chemical and food industries. On the heat-sensitive substances such as antibiotics, vaccines, blood products, hormones and other biological tissue enzymes, freeze-drying technology is applied.

Features

1. LCD touch screen.
2. With historical data inquiry function.
3. With USB interface to export the data.
4. Large capacity ice condenser trap and without coil inside.
5. With cascade refrigeration technology.
6. Pre-freezing shelf can be used as guide barrel to speed up the drying rate.
7. Ice condenser trap and operation panel are made by stainless steel.
8. Drying chamber is transparent which is visual and safe.
9. Shelves are stainless steel, which can be adjustable per the requirements.

Accessories



Pilot Freeze Dryer

Introduction

Biobase vacuum freeze dryer (square cabinet) is suitable for laboratory samples of freeze drying test, and a small amount of production.

Features

1. Pre-freezing, drying in-situ, easy to operate, good drying effect.
2. Inflatable (discharge) valve adopts safety diaphragm valve, which can be connected to inert gas source, and is filled with inert gas after drying to extend the shelf life of the material.
3. Freeze-drying curve optimization control technology, which can control the cooling rate during the pre-freezing stage, and control the heating rate of the sample and the vacuum value of the current stage in the sublimation and analytical drying stages.
4. 7-inch true color touch screen.
5. Can save hundreds of process recipes, each group contains 50 temperature control sections to improve process optimization rate.
6. Intelligent data recording system, real-time recording and display of cold trap temperature curve, sample temperature curve, vacuum degree curve, export data can be browsed and printed by computer and various operations to facilitate process optimization and drying effect verification.
7. Flexible manual + automatic control mode, manual mode used for groping process, automatic mode used for batch production.
8. Real-time alarm display and historical alarm query function for fault diagnosis and equipment maintenance.
9. User level and password can be set and decentralized for operation management.

Accessories



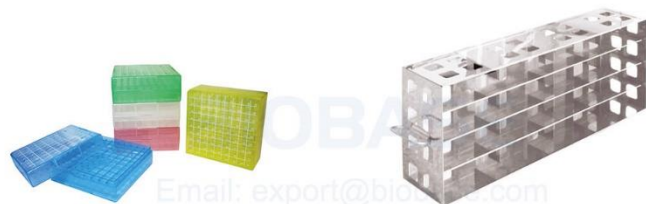
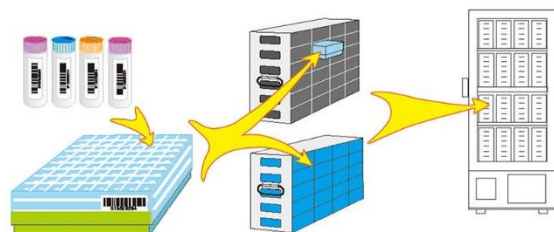
Tabletop Freeze Dryer



Technical Parameters

Model	BK-FD10S	BK-FD10P	BK-FD10T	BK-FD10PT
Type	Standard chamber	Standard chamber with 8 port manifold	Stopping chamber	Stopping chamber with 8 port manifold
Freeze Drying Area	0.12m²		0.09m²	
Tray	4/6(Optional)pcs		3pcs	
Height Between Trays	76/50mm		70mm	
Cold Trap Temperature	-60℃			
Cold Trap Capacity	6.9L			
Cold Trap Size (Diameter*H)	Φ215*190mm			
Vacuum Degree	<10Pa			
Water Capture Capacity	3kg/24h			
Tray Size (D*H)	Φ200*20mm		Φ200*20mm	
Freeze Drying Time	24h			
Loading Capacity/Shelf (Liquid)	0.3L			
Total Loading Capacity (Liquid)	1.2L		0.9L	
Drying Chamber Size (Diameter*H)	Lower circle φ260mm Upper circle φ240mm Height 450mm			
Total Qty. Of Vial Φ22	260		195	
Total Qty. Of Vial Φ16	480		360	
Total Qty. Of Vial Φ12	920		690	
Refrigerant	R600a+R290+R23			
Cooling System	Air cooling			
Power Consumption	0.9KW			
Power Supply	AC220V, 50/60Hz(single phase); 110V, 60Hz(single phase)			
Standard Accessory	Vacuum pump 2L/S, 8m³/h, Material tray, Material rack, PC cover (for all models) Conical-mouth flask 500ml*8 pcs, Switch valve*8 pcs (only for model BK-FD10P/PT)			
Optional Function & Accessory	Electric defrost function, Nitrogen gas filling valve, Oil mist filter (for all models) 800ml Wide-mouth flask (for BK-FD10P/PT)			
External Size (W*D*H)	600*560*374/820mm		600*560*374/880mm	
Package Size	Main Body	670*700*560 (80kg)		
(W*D*H) mm/	Drying Chamber	620*400*400 (15kg)		
Gross Weight	Vacuum Pump	570*360*240 (22kg)		

Freezer Racks and Boxes



Material of Box:ABS
Size: 2"



Material of Box:Paper Characteristics
Size: 3"



Note:

"A" means side type rack; "B" means drawer type rack;

Technical Parameters

Name	Model	Specification	Dimension(W*D*H)mm	Capacity	Material
Racks	R255A	For 2 inch box, side type; 5 layer*5 row	137*692*292	25 units boxes 2"	SS 304
Racks	R255B	For 2 inch box, drawer type; 5 layer*5 row	142*693*290	25 units boxes 2"	SS 304
Racks	R335A	For 3inch box, side type; 3 layer*5 row	137*692*260	15 units boxes 3"	SS 304
Racks	R335B	For 3 inch box, drawer type; 3 layer*5 row	142*693*262	15 units boxes 3"	SS 304
Racks	R254A	For 2 inch box, side type; 5 layer*4row	137*555*292	20 units boxes 2"	SS 304
Racks	R254B	For 2 inch box, drawer type; 5 layer*4 row	142*556*290	20 units boxes 2"	SS 304
Racks	R244A	For 2 inch box, side type; 4 layer*4 row	137*555*234	16 units boxes 2"	SS 304
Racks	R244B	For 2 inch box, drawer type; 4 layer*4 row	142*556*233	16 units boxes 2"	SS 304
Racks	R334A	For 3 inch box, side type; 3 layer*4row	137*555*260	12 units boxes 3"	SS 304
Racks	R334B	For 3 inch box, drawer type; 3 layer*4 row	142*556*262	12 units boxes 3"	SS 304
Racks	R253A	For 2 inch box, side type; 5 layer*3row	137*418*292	15 units boxes 2"	SS 304
Racks	R253B	For 2 inch box, drawer type; 5 layer*3 row	142*419*290	15 units boxes 2"	SS 304
Racks	R11	For 2 inch box, hike type; 11 layer	140*147*630	11 units boxes 2"	SS 304
Racks	R8	For 2 inch box, hike type; 8 layer	140*147*462	8 units boxes 2"	SS 304
Racks	R10	For 2 inch box, hike type; 10 layer	140*147*574	10units boxes 2"	SS 304

Vertical Freeze Dryer



BK-FD12S



BK-FD12P



BK-FD12T



BK-FD12PT

Technical Parameters

Model	BK-FD12S(-60/-80)	BK-FD12P(-60/-80)	BK-FD12T(-60/-80)	BK-FD12PT(-60/-80)
Type	Standard chamber	Standard chamber with 8 port manifold	Stoppering chamber	Stoppering chamber with 8 port manifold
Freeze Drying Area	0.12/0.18m ²		0.09m ²	
Tray	4/6(Optional)pcs		3pcs	
Height Between Trays	76/50mm		70mm	
Cold Trap Temperature	≤-60℃/-80℃(Option)			
Cold Trap Capacity	9.3L			
Cold Trap Size(Dr*H)	Φ217*250mm			
Vacuum Degree	<10Pa			
Water Capture Capacity	4kg/24h			
Tray Size (D*H)	Φ200*20mm			
Freeze Drying Time	24h			
Loading Capacity/Shell(Liquid)	0.3L			
Total Loading Capacity(Liquid)	1.2/1.8L		0.9L	
Drying Chamber Size(D*H)	Lower circle Φ260mm Upper circle Φ240mm Height 450mm			
Can Load Vials Qty	Φ22mm	260	195	
	Φ16mm	480	360	
	Φ12mm	920	690	
Refrigerant	R600a+R290+R23			
Cooling System	Air cooling			
Consumption	-60℃: 0.9KW -80℃: 1.5Kw (Option)			
Power Supply	220V/50Hz,60Hz (single phase);110V/60Hz (single phase, only for -60℃)			
Standard Accessory	-60℃ Cold trap, Vacuum pump 2L/S, 8m3/h, Material tray, Material rack, PC cover (for all models)			
	Conical-mouth flask 500ml*8 pcs, Switch valve*8 pcs (only for model BK-FD12P/PT)			
Optional Function & Accessory	-80℃ Cold trap, Electric defrost function, Nitrogen gas filling valve, Oil mist filter (for all models)			
	800ml Wide-mouth flask (for BK-FD12P/PT)			
External Size(W*D*H)	480*620*920/1370mm			
Package Size	Main Body	730*600*1180mm (80kg)		
(W*D*H)mm /	Drying Chamber	620*400*400mm (15kg)		
Gross Weight	Vacuum Pump	570*360*240 (22kg)		



BK-FD18S



BK-FD18P



BK-FD18T



BK-FD18PT

Technical Parameters

Model	BK-FD18S(-55/-80)	BK-FD18P(-55/-80)	BK-FD18T(-55/-80)	BK-FD18PT(-55/-80)
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	70mm			
Cold Trap Temperature	≤-56℃/-80℃(Option)			
Cold Trap Capacity	23L			
Cold Trap Size(Dr*H)	Φ270*400mm			
Vacuum Degree	<5 Pa			
Water Capture Capacity	6kg/24h			
Tray Size (D*H)	Φ240*18mm		Φ200*18mm	
Freeze Drying Time	18-36h			
Loading Capacity/Shell(Liquid)	0.45L		0.3L	
Total Loading Capacity(Liquid)	1.8L		0.9L	
Drying Chamber Size(D*H)	Φ300*445mm	Φ300*465mm	Φ300*540mm	Φ300*570mm
Can Load Vials Qty	-		183	
	-		345	
	-		615	
Refrigerant	R404+R23			
Cooling System	Air cooling			
Consumption	-56℃: 1.4kW, -80℃: 2.1kW			-56℃: 1.4kW, -80℃: 2.1kW
Power Supply	AC220V, 50/60Hz(single phase), 110V, 60Hz(single phase)			
Standard Accessory	-56℃ Cold trap ,Vacuum pump 4L/S, 14.4m3/h, Material rack, Material tray (for all models)			
	Flasks 100mix2, 250mix2, 500mix2, 1000mix2 (only for model BK-FD18P/PT)			
Optional Function & Accessory	-80℃, -110℃ Cold trap, Anti-reverse oil stop valve, Oil mist filter, Import vacuum pump (for all models)			
	Conical-mouth flask and wide-mouth flask (for BK-FD18P/PT)			
External Size(W*D*H)	630*580*970/1415mm	630*580*970/1435mm	630*580*970/1510mm	630*580*970/1810mm
Package Size	790*690*1200mm (148kg)			
(W*D*H)mm /	420*420*560mm (14kg)			430*430*660mm (26kg)
Gross Weight	620*370*450 (32kg)			

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	0.3m²	0.2m²	0.4m²	0.3m²
Shelf Temperature	-50℃→+70℃(no-loading)			
Cold Trap Temperature	<-75℃(no-loading)			
Vacuum Degree	≤5 Pa(no-loading)			
Water Capture Capacity	≥8		≥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: 4+1, Tray: 4	Shelf: 3+1, Tray: 3
Sample Loading Capacity (Liquid)	3L	2L	4L	3L
Height Between Trays	70mm		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	/	manual	/	automatic
Total Qty. Of Vial	Φ22mm	/	440	654
	Φ16mm	/	868	1200
	Φ12mm	/	1554	2187
Vacuum Pump	4L/S(14.4m³/h)		6L/S(22m³/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	3KW	4.5KW	5.5KW
Power Supply	AC220V, 50Hz/60Hz (single phase)			
Main Body Weight	300kg		400kg	
External Size(W*D*H) mm	840*750*1580mm		920*780*1350mm	1260*850*1420mm
Package Size(W*D*H)mm	Main Body	980*860*1720mm/400kg	980*860*1720mm/470kg	1100*980*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



BK-FD50S



BK-FD50T



BK-FD100S



BK-FD100T

Technical Parameters

Model	BK-FD50S(Standard)	BK-FD50T(Stoppers)	BK-FD100S(Standard)	BK-FD100T(Stoppers)
Freeze Drying Area	0.7m ²	0.5m ²	1.04m ²	1.15m ²
Shelf Temperature	-50°C~+70°C(no-loading)			
Cold Trap Temperature	<-75°C(no-loading)			
Vacuum Degree	≤5 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*590mm	620*510*580mm	410*580*520mm	700*590*760mm
Shelf: 480*360*18mm		Shelf: 410*410*18mm	Shelf: 480*360*18mm	Shelf: 480*600*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
70mm				100mm
±1°C				
R404A + R23				
Air cooling				
Natural defrosting (option 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	
1000*850*1420mm	1490*850*1620mm	1170*830*1665mm	1640*1100*1630mm	
1130*980*1620mm /565kg	1600*1040*2040mm /800kg	1320*990*1855mm /900kg	1800*1250*2100mm /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