

PRODUCT CATALOG



LABORATORY HIGH SPEED REFRIGERATED CENTRIFUGE

LABORATORY HIGH SPEED REFRIGERATED CENTRIFUGE

Engineered to maximize productivity and reliably deliver a wide range of high speed separations. Stainless steel interiors, integrated refrigeration system and advanced temperature controls make it flexible for your evolving applications. Safety features and low noise operation make it an ideal partner for your day to day separations.

100 SERIES BENCHTOP HIGH SPEED REFRIGERATED CENTRIFUGE



- Microcomputer controlled programmable operation with touch panel
- LCD screen displays set and run conditions for easy monitoring
- Brushless DC Motor ensures low maintenance, high efficiency, constant speed of rotation
- Dependable performance that maximizes your productivity
- High quality Stainless Steel chamber
- Durable ABS housing resists chemical spills and limits noise
- Real-time conversion of RPM/RCF

- Automatic storage of working data
- Minimize sample disturbance during bucket loading and unloading
- System is complemented by multiple new accessories, including tube racks, centrifuge adapters and rotors
- Safety features: Self diagnostic, Rotor unbalance detector, Lid protection, Over speed protection, Over temperature protection

SPECIFICATIONS

Model	BCBHR-101	BCBHR-102	BCBHR-103
Maximum Capacity (No of tubes x Vol.)	8x5 ml	4X100 ml, 6x50 ml	
Temperature Range	-20°C to +40°C		
Temperature Accuracy	±1°C		±5°C
Maximum Speed RPM	16000	18000	20000
Speed Increment	±50 rpm		
Maximum RCF	17800xg	23200xg	27800xg
Timer Range	0-99 min		0-99 h 59 min
Overall Dimension	600x470x330 mm		
Program	7 user programs		
Control	Microcomputer		
Display	LCD		
Noise Level	≤60dB(A)		
Weight (Net/Gross)	41 kg	60/70 kg	75 kg
Power	450 W		
Power Supply	AC200v 50Hz 18	AC200v 50Hz 15A	220V 50HZ 30A

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Speed RPM	RCF _{xg}	For Models
BX-103323	Angle rotor	1.5ml/2.2mlx12	16000	17800xg	BCBHR-101
BX-103324	Angle rotor	1.5ml/2.2mlx24	13200	16110xg	BCBHR-101
BX-103325	Angle rotor	5mlx10	13000	11400xg	BCBHR-101
BX-103326	Microplate rotor	2x48 well	3000	1400xg	BCBHR-101
BX-103327	Angle rotor	10mlx12	12000	14300xg	BCBHR-101
BX-103328	Angle rotor	50mlx6	11000	10950xg	BCBHR-101
BX-103329	Swing rotor	10mlx4	6000	3200xg	BCBHR-101
BX-103330	Angle rotor	1.5ml/2.2mlx12	18000	22530xg	BCBHR-102
BX-103331	Angle rotor	1.5ml/2.2mlx24	16000	23755xg	BCBHR-102
BX-103332	Angle rotor	5mlx10	13000	11400xg	BCBHR-102
BX-103333	Microplate rotor	2x48 well	3000	1400xg	BCBHR-102
BX-103334	Angle rotor	10mlx12	13000	16760xg	BCBHR-102
BX-103335	Angle rotor	100mlx4 50mlx6	12000	13000xg	BCBHR-102
BX-103336	Swing rotor	10mlx4	6000	3200xg	BCBHR-102
BX-103337	Angle rotor	1.5ml/2.2mlx12	20000	27800xg	BCBHR-103
BX-103338	Angle rotor	1.5ml/2.2mlx24	16000	23755xg	BCBHR-103
BX-103339	Angle rotor	5mlx10	16000	17280xg	BCBHR-103
BX-103340	Microplate rotor	2x48 well	3000	1400xg	BCBHR-103
BX-103341	Angle rotor	10mlx12	13000	16760xg	BCBHR-103
BX-103342	Angle rotor	100mlx4 50mlx6	12000	13000xg	BCBHR-103
BX-103343	Swing rotor	10mlx4	6000	3200xg	BCBHR-103

100 SERIES FLOOR TYPE HIGH SPEED REFRIGERATED CENTRIFUGE



Microcomputer controlled with programmable operation

LCD/LED screen displays set and run conditions for easy monitoring

Brushless DC Motor ensures low maintenance, high efficiency, constant speed of rotation

Store 10 programs in centrifuge memory which are retained even after powering down the centrifuge

Dependable performance that maximizes your productivity

Stainless Steel interior and exterior made up of anticorrosive ABS material

Real-time conversion of RPM/RCF

Dual temperature control

Automatic storage of working data

Minimize sample disturbance during bucket loading and unloading

Refrigerant: CFC-free R404a

System is complemented by multiple new accessories, including tube racks, centrifuge adapters and rotors

Safety features: Self diagnostic, Rotor unbalance detector, Lid protection, Over speed protection, Over temperature protection

SPECIFICATIONS

Model	BCFHR-101	BCFHR-102	BCFHR-103
Maximum Capacity (No of tubes x Vol.)	4x2000 ml	4x250 ml	4x270 ml
Temperature Range	-20°C to +40°C		
Temperature Accuracy	±1°C		
Maximum Speed RPM	12000	20000	20500
Speed Increment	±50 rpm		
Maximum RCF	19830xg	27800xg	29200xg
Timer Range	0-99 h 59 min		
Overall Dimension	710x840x1200 mm	620x710x1100 mm	
Program	4 user programs	7 user programs	11 user programs
Control	Microcomputer		
Display	LCD	LED	LCD
Noise Level	≤65dB		
Weight (Net/Gross)	260 kg	180 kg	170 kg
Power	3000 W	1500 W	
Power Supply	220V 50HZ 30	220V, 60Hz	220V 50HZ 20A

Model	BCFHR-104	BCFHR-105	BCFHR-106
Maximum Capacity (No of tubes x Vol.)	6x600 ml		4x1000 ml
Temperature Range	-20°C to +40°C		
Temperature Accuracy	±1°C		
Maximum Speed RPM	21000	22000	25000
Speed Increment	±50 rpm		
Maximum RCF	50400xg	52000xg	64983xg
Timer Range	0-99 h 59 min		
Overall Dimension	710x840x1200 mm		
Program	24 user programs		12 user programs
Control	Microcomputer		
Display	LCD		
Noise Level	≤65dB		≤70dB
Weight (Net/Gross)	280/300 kg		
Power	4000 W		
Power Supply	220V 50HZ 30	220V 50HZ 30A	

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Speed RPM	RCF _{xg}	For Models
BX-103390	Angle rotor	100mlx8	12000	19830xg	BCFHR-101
BX-103391	Angle rotor	1000mlx6	7000	11600xg	BCFHR-101
BX-103392	Angle rotor	2000mlx4	6000	8410xg	BCFHR-101
BX-103393	Angle rotor	500mlx6	8000	11620xg	BCFHR-101
BX-103394	Angle rotor	1.5ml/2.2mlx12	20000	27800xg	BCFHR-102
BX-103395	Angle rotor	1.5ml/2.2mlx24 5mlx10	16000	23755xg	BCFHR-102
BX-103396	Angle rotor	5mlx10	16000	17280xg	BCFHR-102

BX-103397	Angle rotor	10mlx12	13000	16760xg	BCFHR-102
BX-103398	Angle rotor	50mlx6 100mlx 4	12000	13000xg	BCFHR-102
BX-103399	Microplate rotor	4x96 well	4000	2236xg	BCFHR-102
BX-103400	Swing rotor	250mlx4	5000	5030xg	BCFHR-102
BX-103401	Swing rotor	50mlx8 15mlx 32	5000	5030xg	BCFHR-102
BX-103402	Angle rotor	1.5ml/2.2mlx12	20500	29200xg	BCFHR-103
BX-103403	Angle rotor	30mlx6	13500	17950xg	BCFHR-103
BX-103404	Angle rotor	10mlx12	15000	23120xg	BCFHR-103
BX-103405	Angle rotor	50mlx6	13000	17940xg	BCFHR-103
BX-103406	Swing rotor	750mlx4	4000	3500xg	BCFHR-103
BX-103407	Swing rotor- Adapter	300mlx4	4000	3500xg	BCFHR-103
BX-103408	Swing rotor- Adapter	15mlx12x4	4000	3500xg	BCFHR-103
BX-103409	Swing rotor- Adapter	10mlx16x4	4000	3500xg	BCFHR-103
BX-103410	Swing rotor- Adapter	50mlx4x4	4000	3500xg	BCFHR-103
BX-103411	Microplate rotor	2x2x96 well	4000	2200xg	BCFHR-103
BX-103412	Swing bucket	4 buckets	4000	3040xg	BCFHR-103
BX-103413	Swing bucket- Adapter	5mlx112	4000	3040xg	BCFHR-103
BX-103414	Swing bucket- Adapter	1.5mlx100	4000	3040xg	BCFHR-103
BX-103415	Swing bucket- Adapter	10mlx80	4000	3040xg	BCFHR-103
BX-103416	Swing bucket- Adapter	15mlx40	4000	3040xg	BCFHR-103
BX-103417	Swing bucket- Adapter	15mlx40	4000	3040xg	BCFHR-103
BX-103418	Swing bucket- Adapter	50mlx16	4000	3040xg	BCFHR-103
BX-103419	Swing bucket- Adapter	50mlx16	4000	3040xg	BCFHR-103
BX-103420	Swing rotor	500mlx4	4000	3040xg	BCFHR-103
BX-103421	Angle rotor	1.5ml/2.2mlx24	16500	24890xg	BCFHR-103
BX-103422	Angle rotor	85mlx6	12000	15805xg	BCFHR-103
BX-103423	Angle rotor	100mlx4	11000	11720xg	BCFHR-103
BX-103424	Angle rotor	1.5ml/2.2mlx36 10ml/5mlx16	22000	52000xg	BCFHR-104, BCFHR-105
BX-103425	Angle rotor	1.5ml/2.2mlx36 10ml/5mlx16	21000	50400xg	BCFHR-104, BCFHR-105
BX-103426	Angle rotor	20mlx12	16500	31100xg	BCFHR-104, BCFHR-105
BX-103427	Angle rotor	10mlx18	21000	50400xg	BCFHR-104, BCFHR-105
BX-103428	Angle rotor	50mlx8	18000	35047xg	BCFHR-104, BCFHR-105
BX-103429	Angle rotor	70mlx6	15000	25700xg	BCFHR-104, BCFHR-105
BX-103430	Swing rotor	750mlx4	5000	5470xg	BCFHR-104, BCFHR-105
BX-103431	Swing rotor	50mlx4	5000	4390xg	BCFHR-104, BCFHR-105
BX-103432	Swing rotor	50mlx8	5000	4360xg	BCFHR-104, BCFHR-105
BX-103433	Swing rotor	15mlx32	5000	4390xg	BCFHR-104, BCFHR-105
BX-103434	Continuous flow rotor	1000ml	14000	21500xg	BCFHR-104, BCFHR-105
BX-103435	Continuous flow rotor	1000ml	14000	21500xg	BCFHR-104, BCFHR-105
BX-103436	Angle rotor	300mlx6	11000	19650xg	BCFHR-104, BCFHR-105
BX-103437	Angle rotor	500mlx6	9000	14400xg	BCFHR-104, BCFHR-105
BX-103438	Angle rotor	50mlx6	20000	43000xg	BCFHR-104, BCFHR-105
BX-103439	Angle rotor	100mlx8	14000	26952xg	BCFHR-104, BCFHR-105
BX-103440	Angle rotor	250mlx6	12000	22470xg	BCFHR-104, BCFHR-105
BX-103441	Angle rotor	15mlx32	16000	30940xg	BCFHR-104, BCFHR-105
BX-103442	Angle rotor	600mlx6	7000	9100xg	BCFHR-104, BCFHR-105

BX-103443	Continuous flow rotor - Aluminium Alloy	3000ml	8000	9500xg	BCFHR-104, BCFHR-105
BX-103444	Continuous flow rotor - Stainless Steel	3000ml	8000	9500xg	BCFHR-104, BCFHR-105
BX-103445	Swing rotor	10mlx96	5000	4390xg	BCFHR-104, BCFHR-105
BX-103446	Swing rotor	15mlx72	5000	4390xg	BCFHR-104, BCFHR-105
BX-103447	Swing rotor	50mlx20	5000	4390xg	BCFHR-104, BCFHR-105
BX-103448	Microplate rotor	8x96 well	4000	2236xg	BCFHR-104, BCFHR-105
BX-103449	Continuous flow rotor- Titanium alloy	1000ml	16000	28100xg	BCFHR-104, BCFHR-105
BX-103450	Continuous flow rotor - Titanium alloy	3000ml	10000	14800xg	BCFHR-104, BCFHR-105
BX-103451	Angle rotor	1.5ml/2.2mlx24, 5mlx10	25000	64983xg	BCFHR-106
BX-103452	Angle rotor	10mlx16	23000	60900xg	BCFHR-106
BX-103453	Angle rotor	50mlx8	18000	40930xg	BCFHR-106
BX-103454	Angle rotor	250mlx6	14000	30200xg	BCFHR-106
BX-103455	Angle rotor	500mlx6	10000	17800xg	BCFHR-106
BX-103456	Angle rotor	1000mlx4	7000	9980xg	BCFHR-106
BX-103457	Microplate rotor	8x96 well	4000	2236xg	BCFHR-106
BX-103458	Swing rotor	750mlx4	5000	5470xg	BCFHR-106
BX-103459	Continuous flow rotor	1000ml	14000	21500xg	BCFHR-106
BX-103460	Continuous flow rotor	3000ml	8000	9500xg	BCFHR-106
BX-103461	Continuous flow rotor	1000ml	16000	9500xg	BCFHR-106
BX-103462	Continuous flow rotor	3000ml	10000	14800xg	BCFHR-106

200 SERIES BENCH TOP HIGH SPEED REFRIGERATED CENTRIFUGE



Microcomputer controlled programmable operation with CPU control system that controls speed, temperature and relative centrifuge force

LCD wide screen displays set and run conditions for easy monitoring

Brushless DC Motor ensures low maintenance, high efficiency and constant speed of rotation

Store 10 programs in centrifuge memory which are retained even after powering down the centrifuge

Fully stainless steel structure and aluminium alloy rotor for sustainable use

Speed and the centrifugal force can be step adjusted (10 RPM/10xg)

High quality CFC-free compressor with two cycle refrigeration and high accuracy of temperature

Multiple layers of shock absorbers with auto balancing function

System is complemented by multiple new accessories, including tube racks, centrifuge adapters and rotors

Safety features: Self diagnostic, Rotor Identification, Rotor imbalance detector, Lid protection, Door Cover Protection, Built in electronic door lock and protection, Over speed protection, Over temperature protection

SPECIFICATIONS

Model	BCBHR-201	BCBHR-202	BCBHR-203
Maximum Capacity (No of tubes x Vol.)	8x5 ml	4x100 ml	
Temperature Range	-20°C to +40°C		
Temperature Accuracy	±1°C		
Maximum Speed RPM	16000	18000	20000
Speed Increment	±20 rpm		
Maximum RCF	17800xg	23755xg	27800xg
Timer Range	0-99 min		
Overall Dimension	310x450x330 mm	610x622x360 mm	
Program	10 user programs		
Control	Microcomputer		
Display	LCD		
Noise Level	≤60dB(A)	≤50dB(A)	≤60dB(A)
Weight (Net/Gross)	41/69 kg	85/105 kg	
Power Supply	220V, 60Hz		

Model	BCBHR-204	BCBHR-205	BCBHR-206
Maximum Capacity (No of tubes x Vol.)	4x750 ml	4x100 ml	
Temperature Range	-20°C to +40°C		
Temperature Accuracy	±1°C		
Maximum Speed RPM	21000	22000	24000
Speed Increment	±20 rpm		±30 rpm
Maximum RCF	30642xg	34700xg	47800xg
Timer Range	0-99 min		0-23h 59 min
Overall Dimension	610x622x360 mm		710x820x1200 mm
Program	10 user programs		
Control	Microcomputer		
Display	LCD		
Noise Level	≤60dB(A)	≤65dB(A)	
Weight (Net/Gross)	85/105 kg		
Power Supply	220V, 60Hz		

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Speed RPM	RCF _{xg}	For Models
BX-102798	Angle Rotor	12x1.5/2ml	16000	17800xg	BCBHR-201
BX-102799	Angle Rotor	8x5ml	13000	11400xg	BCBHR-201
BX-102800	Angle Rotor	12x10ml	12000	14800xg	BCBHR-201
BX-102801	Angle Rotor	6x50ml	11000	12000xg	BCBHR-201
BX-102802	Swing Microplates rotor	2x2x48 holes	4000	1400xg	BCBHR-201
BX-102803	Angle Rotor	24x1.5/2.2ml	13500	17000xg	BCBHR-201
BX-102804	Angle Rotor	4x50ml	12000	13900xg	BCBHR-201
BX-102805	Angle Rotor	4x100ml	10000	9680xg	BCBHR-201
BX-102806	Angle Rotor	36x1.5ml	13500	17800xg	BCBHR-201

BX-102807	Angle Rotor	48x0.5ml	13000	12810xg	BCBHR-201
BX-102808	Angle Rotor	12x1.5/2ml	18000	47800xg	BCBHR-202
BX-102809	Angle Rotor	8x5ml	13000	11400xg	BCBHR-202
BX-102810	Angle Rotor	12x10ml	12000	14800xg	BCBHR-202
BX-102811	Angle Rotor	6x50ml	11000	12000xg	BCBHR-202
BX-102812	Swing Microplates rotor	2x2x48 holes	4000	1400xg	BCBHR-202
BX-102813	Angle Rotor	24x1.5/2.2ml	13500	17000xg	BCBHR-202
BX-102814	Angle Rotor	4x50ml	12000	13900xg	BCBHR-202
BX-102815	Angle Rotor	4x100ml	10000	9680xg	BCBHR-202
BX-102816	Angle Rotor	36x1.5ml	13500	17800xg	BCBHR-202
BX-102817	Angle Rotor	48x0.5ml	13000	12810xg	BCBHR-202
BX-102818	Angle Rotor	12x1.5/2ml	20000	47800xg	BCBHR-203
BX-102819	Angle Rotor	10x5ml	14000	13200xg	BCBHR-203
BX-102820	Angle Rotor	12x10ml	13000	17300xg	BCBHR-203
BX-102821	Angle Rotor	6x50ml	12000	14200xg	BCBHR-203
BX-102822	Swing Microplates rotor	2x2x48 holes	4000	1400xg	BCBHR-203
BX-102823	Angle Rotor	24x1.5/2.2ml	13500	17000xg	BCBHR-203
BX-102824	Angle Rotor	4x50ml	14000	19030xg	BCBHR-203
BX-102825	Angle Rotor	4x100ml	10000	9690xg	BCBHR-203
BX-102826	Angle Rotor	36x1.5ml	13500	17800xg	BCBHR-203
BX-102827	Angle Rotor	6x10ml	16000	19400xg	BCBHR-203
BX-102828	Angle Rotor	12x1.5/2.2ml	21000	30642xg	BCBHR-204
BX-102829	Angle Rotor	10x5ml	16500	18360xg	BCBHR-204
BX-102830	Angle Rotor	12x10ml	15000	23120xg	BCBHR-204
BX-102831	Angle Rotor	6x30ml	15000	23120xg	BCBHR-204
BX-102832	Angle Rotor	6x50ml	13000	17940xg	BCBHR-204
BX-102833	Swing Rotor	4x750ml	4000	3500xg	BCBHR-204
BX-102834	Angle Rotor	12x1.5/2ml	22000	47800xg	BCBHR-205
BX-102835	Angle Rotor	10x5ml	16000	17280xg	BCBHR-205
BX-102836	Angle Rotor	12x10ml	14000	23120xg	BCBHR-205
BX-102837	Angle Rotor	6x50ml	13000	16760xg	BCBHR-205
BX-102838	Swing Rotor	4x10ml	6000	3200xg	BCBHR-205
BX-102839	Swing Microplates rotor	2x2x48 holes	3000	1400xg	BCBHR-205
BX-102840	Angle Rotor	24x1.5/2.2ml	13500	17000xg	BCBHR-205
BX-102841	Angle Rotor	4x50ml	14000	19030xg	BCBHR-205
BX-102842	Angle Rotor	4x100ml	10000	9690xg	BCBHR-205
BX-102843	Angle Rotor	36x1.5ml	13500	17800xg	BCBHR-205
BX-102844	Angle Rotor	6x10ml	16000	19400xg	BCBHR-205
BX-102845	Angle Rotor	6x30ml	13000	17000xg	BCBHR-205
BX-102846	Angle Rotor	12x1.5/2ml	24000	47800xg	BCBHR-206
BX-102847	Angle Rotor	10x5ml	16000	17280xg	BCBHR-206
BX-102848	Angle Rotor	12x10ml	14000	23120xg	BCBHR-206
BX-102849	Angle Rotor	6x50ml	13000	16760xg	BCBHR-206
BX-102850	Swing Microplates rotor	2x2x48 holes	4000	1400xg	BCBHR-206
BX-102851	Angle Rotor	24x1.5/2.2ml	13500	17000xg	BCBHR-206
BX-102852	Angle Rotor	4x50ml	14000	19030xg	BCBHR-206
BX-102853	Angle Rotor	4x100ml	10000	9690xg	BCBHR-206

BX-102854	Angle Rotor	36x1.5ml	13500	17800xg	BCBHR-206
BX-102855	Angle Rotor	6x30ml	13000	17000xg	BCBHR-206
BX-102856	Angle Rotor	6x15ml	13000	15100xg	BCBHR-206



BCBHR-201



BCBHR-202

200 SERIES FLOOR TYPE HIGH SPEED REFRIGERATED CENTRIFUGE



Microcomputer controlled programmable operation with CPU control system that controls speed, temperature and relative centrifuge force

LCD widescreen with soft touch panel displays set and run conditions for easy monitoring

Brushless DC Motor ensures low maintenance, high efficiency, constant speed of rotation

Store 10 programs in centrifuge memory which are retained even after powering down the centrifuge

Fully stainless steel structure and aluminium alloy rotor for sustainable use

Speed and the centrifugal force can be step adjusted (10 RPM/10xg)

High quality compressor allows temperature adjustment and achieves high-precision temperature controls and reduced noise

System is complemented by multiple new accessories, including tube racks, centrifuge adapters and rotors

Safety features: Self diagnostic, Rotor Identification, Rotor imbalance detector, Lid protection, Door Cover Protection, Automatic Lock Cover, over speed protection, Over temperature protection

SPECIFICATIONS

Model	BCFHR-201	BCFHR-202	BCFHR-203
Maximum Capacity (No of tubes x Vol.)	3000 ml		
Temperature Range	-20°C to +40°C		
Temperature Accuracy	±1°C		
Maximum Speed RPM	10000	21000	22000
Speed Increment	±50 rpm		
Speed Accuracy	±30 rpm	-	-
Maximum RCF	13800xg	523560xg	53000xg
Timer Range	0-23 h 59 min		
Acceleration/ Deceleration	0~9 grade		
The shortest Acceleration time	1min30s(0~10000 rpm)	1min30s(0~21000 rpm)	1min30s(0-22000rpm)
The shortest Deceleration time	1min40s(10000 rpm~0)	1min40s(21000 rpm~0)	1min40s(22000rpm~0)
Overall Dimension	710x820x1200mm	710x840x1200 mm	710x820x1200 mm
Program	10 user programs		

Control	Microcomputer
Display	LCD
Noise Level	≤65dB
Weight (Net/Gross)	260/330 kg
Power Supply	AC220v 50Hz 30A

Model	BCFHR-204	BCFHR-205
Maximum Capacity (No of tubes x Vol.)	3000 ml	
Temperature Range	-20°C to +40°C	
Temperature Accuracy	±1°C	
Maximum Speed RPM	24000	26000
Speed Increment	±50 rpm	
Speed Accuracy	±30 rpm	
Maximum RCF	58500xg	75800xg
Timer Range	0-23 h 59 min	
Acceleration/ Deceleration	0~9 grade	
The shortest Acceleration time	1min30s(0-24000rpm)	1min30s(0~26000rpm)
The shortest Deceleration time	1min40s(24000rpm-0)	1min40s(26000 rpm~0)
Overall Dimension	710x840x1200 mm	710x820x1200 mm
Program	10 user programs	
Control	Microcomputer	
Display	LCD	
Noise Level	≤65dB	
Weight (Net/Gross)	260/330 kg	
Power Supply	AC220v 50Hz 30A	AC220v 50Hz 30A

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Speed RPM	RCF _{xg}	Quantity	For Models
BX-102883	Angle Rotor	6x300ml	10000	18300xg		BCFHR-201
BX-102884	Angle Rotor	6x500ml	8000	11620xg		BCFHR-201
BX-102885	Angle Rotor	4x1000ml	8000	12000xg		BCFHR-201
BX-102886	Angle Rotor	6x1000ml	7000	11500xg		BCFHR-201
BX-102887	Swing Rotor	4x1000ml	4000	4050xg		BCFHR-201
BX-102888	Angle Rotor	12/16x10ml	21000	47400xg		BCFHR-202, BCFHR-203
BX-102889	Angle Rotor	6x50ml	20000	43000xg	1	BCFHR-202
BX-102890	Angle Rotor	8x50ml	18000	37600xg	1	BCFHR-202
BX-102891	Angle Rotor	6x70ml	15000	25500xg	1	BCFHR-202
BX-102892	Angle Rotor	4x300ml	14000	27610xg	1	BCFHR-202
BX-102893	Angle Rotor	6x250ml	14000	30200xg	1	BCFHR-202
BX-102894	Angle Rotor	8x100ml	12000	19800xg	1	BCFHR-202
BX-102895	Angle Rotor	6x300ml	12000	22470xg	1	BCFHR-202
BX-102896	Angle Rotor	6x500ml	10000	17800xg	1	BCFHR-202
BX-102897	Angle Rotor	4x1000ml	8000	12000xg	1	BCFHR-202
BX-102898	Swing Rotor	4x750ml	5000	5470xg	1	BCFHR-202
BX-102899	Swing Rotor	48x15/4x300	4500	4210xg	1	BCFHR-202

BX-102900	Continuous Centrifugal Rotor	1000ml	14000	21500xg	1	BCFHR-202
BX-102901	Continuous Centrifugal Rotor	1000ml	16000	28200xg	1	BCFHR-202
BX-102902	Continuous Centrifugal Rotor	3000ml	8000	9500xg	1	BCFHR-202
BX-102903	Continuous Centrifugal Rotor	3000ml	10000	14800xg	1	BCFHR-202
BX-102889	Angle Rotor	6x50ml	20000	43000xg		BCFHR-203
BX-102890	Angle Rotor	8x50ml	18000	37600xg		BCFHR-203
BX-102891	Angle Rotor	6x70ml	15000	25500xg		BCFHR-203
BX-102892	Angle Rotor	4x300ml	14000	27610xg		BCFHR-203
BX-102893	Angle Rotor	6x250ml	14000	30200xg		BCFHR-203
BX-102894	Angle Rotor	8x100ml	12000	19800xg		BCFHR-203
BX-102895	Angle Rotor	6x300ml	12000	22470xg		BCFHR-203
BX-102896	Angle Rotor	6x500ml	10000	17800xg		BCFHR-203
BX-102897	Angle Rotor	4x1000ml	8000	12000xg		BCFHR-203
BX-102898	Swing Rotor	4x750ml	5000	5470xg		BCFHR-203
BX-102899	Swing Rotor	48x15/4x300	4500	4210xg		BCFHR-203
BX-102900	Continuous Centrifugal Rotor	1000ml	14000	21500xg		BCFHR-203
BX-102901	Continuous Centrifugal Rotor	1000ml	16000	28200xg		BCFHR-203
BX-102902	Continuous Centrifugal Rotor	3000ml	8000	9500xg		BCFHR-203
BX-102903	Continuous Centrifugal Rotor	3000ml	10000	14800xg		BCFHR-203
BX-102904	Angle Rotor	24x1.5/2ml	26000	75800xg		BCFHR-204, BCFHR-205
BX-102905	Angle Rotor	18x10ml	23000	59250xg		BCFHR-204, BCFHR-205
BX-102906	Angle Rotor	8x50ml	20000	48380xg		BCFHR-204, BCFHR-205
BX-102907	Angle Rotor	4x250ml	14000	38600xg		BCFHR-204, BCFHR-205
BX-102908	Continuous Centrifugal Rotor	1000ml	14000	21500xg		BCFHR-204, BCFHR-205
BX-102909	Continuous Centrifugal Rotor	1000ml	16000	28200xg		BCFHR-204, BCFHR-205
BX-102910	Continuous Centrifugal Rotor	3000ml	8000	9500xg		BCFHR-204, BCFHR-205
BX-102911	Continuous Centrifugal Rotor	3000ml	10000	14800xg		BCFHR-204, BCFHR-205

300 SERIES BENCH TOP HIGH SPEED REFRIGERATED CENTRIFUGE



Microcomputer controlled programmable operation with push-button operation

TFT true-colour LCD wide screen displays set and run conditions for easy monitoring

Triple protective layers of steel bushings

Brushless DC Motor ensures low maintenance, high efficiency and constant speed of rotation

Fully stainless steel structure and a stainless steel cavity makes the machine safe and more efficient

Acceleration/Deceleration takes around 30 sec to 1 min

Multiple layers of shock absorbers with auto balancing function

System is complemented by multiple new accessories, including tube racks, centrifuge adapters and rotors

Safety features: Self diagnostic, Rotor unbalance detector, Lid protection, Over speed protection, Over temperature protection

SPECIFICATIONS

Model	BCBHR-301	BCBHR-302	BCBHR-303	BCBHR-304
Maximum Capacity (No of tubes x Vol.)	4x100 ml		24x1.5/2.0 ml	4x100 ml
Temperature Range	-20°C to +40°C			
Temperature Accuracy	±1°C			
Maximum Speed RPM	12000	16000	16500	16800
Speed Increment	±50 rpm			
Maximum RCF	12300xg	18180xg	18780xg	19600xg
Timer Range	0-99 h 59 min			
Overall Dimension	710x630x350 mm		380x260x310 mm	710x630x350 mm
Program	100 user programs	20 user programs		100 user programs
Control	Microcomputer			
Display	LCD			
Noise Level	≤65dB		≤58dB	≤65dB
Weight (Net/Gross)	75/95 kg		30/45 kg	75/95 kg
Power	1500 W		450 W	1500 W
Power Supply	220V, 60Hz			

Model	BCBHR-305	BCBHR-306	BCBHR-307	BCBHR-308
Maximum Capacity (No of tubes x Vol.)	4x100 ml	4x300 ml	4x100 ml	
Temperature Range	-20°C to +40°C			
Temperature Accuracy	±1°C			
Maximum Speed RPM	20000	20600	20800	24000
Speed Increment	±50 rpm			
Maximum RCF	27700xg	29400xg	30000xg	39900xg
Timer Range	0-99 h 59 min			
Overall Dimension	710x630x350 mm	630x760x400 mm	710x630x350 mm	
Program	20 user programs		100 user programs	
Control	Microcomputer			
Display	LCD			
Noise Level	≤65dB			
Weight (Net/Gross)	75/95 kg	110/130 kg	75/95 kg	
Power	1500 W	1800 W	1500 W	
Power Supply	220V 50Hz	220V, 60Hz		

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Speed RPM	RCF _{xg}	For Models
BX-103021	Fixed Angle Rotor	12x1.5/2.0 ml	12000	10000xg	BCBHR-301
BX-103022	Fixed Angle Rotor	24x1.5/2.0 ml	11500	12300xg	BCBHR-301
BX-103023	Fixed Angle Rotor	10x5 ml	12000	10000xg	BCBHR-301
BX-103024	Fixed Angle Rotor	12x10ml	12000	13400xg	BCBHR-301
BX-103025	Fixed Angle Rotor	12x5ml	15000	15600xg	BCBHR-301
BX-103026	Fixed Angle Rotor	6x 50 ml	10000	9600xg	BCBHR-301
BX-103027	Fixed Angle Rotor	4x100 ml	8000	6700xg	BCBHR-301

BX-103028	Swinging-bucket Rotor	4x50 ml	4000	2150xg	BCBHR-301
BX-103029	Swinging-bucket Rotor	4x10 ml	6000	3200xg	BCBHR-301
BX-103030	Fixed Angle Rotor	12x1.5/2.0 ml	16000	17800xg	BCBHR-302
BX-103031	Fixed Angle Rotor	24x1.5/2.0 ml	14000	18180xg	BCBHR-302
BX-103032	Fixed Angle Rotor	10x5 ml	13000	11700xg	BCBHR-302
BX-103033	Fixed Angle Rotor	12x10ml	12000	13400xg	BCBHR-302
BX-103034	Fixed Angle Rotor	12x5ml	15000	15600xg	BCBHR-302
BX-103035	Fixed Angle Rotor	12x1.5/2.0 ml	16500	18780xg	BCBHR-303
BX-103036	Fixed Angle Rotor	24x1.5/2.0 ml	13500	17000xg	BCBHR-303
BX-103037	Fixed Angle Rotor	12x1.5/2.0 ml	16800	19600xg	BCBHR-304
BX-103038	Fixed Angle Rotor	24x1.5/2.0 ml	14000	18180xg	BCBHR-304
BX-103039	Fixed Angle Rotor	18x1.5 ml	14000	13600xg	BCBHR-304
BX-103040	Fixed Angle Rotor	30x1.5 ml	11000	12900xg	BCBHR-304
BX-103041	Fixed Angle Rotor	48x0.5 ml	12000	13800xg	BCBHR-304
BX-103042	Fixed Angle Rotor	10x 5 ml	13000	11700xg	BCBHR-304
BX-103043	Fixed Angle Rotor	12x10ml	12000	13400xg	BCBHR-304
BX-103044	Fixed Angle Rotor	12x5ml	15000	15600xg	BCBHR-304
BX-103045	Fixed Angle Rotor	8x15 ml	12000	14800xg	BCBHR-304
BX-103046	Fixed Angle Rotor	6x50 ml	11000	11600xg	BCBHR-304
BX-103047	Fixed Angle Rotor	4x100 ml	9000	8500xg	BCBHR-304
BX-103048	Swinging-bucket Rotor	4x100 ml	4000	2100xg	BCBHR-304
BX-103049	Swinging-bucket Rotor	12x10 ml	4000	2330xg	BCBHR-304
BX-103050	Swinging-bucket Rotor	4x50 ml	4000	2100xg	BCBHR-304
BX-103051	Swinging-bucket Rotor	4x10 ml	6000	3200xg	BCBHR-304
BX-103052	Swing Micro-Plate Rotor	2x2x48 2x2x48 places	3000	1400xg	BCBHR-304
BX-103053	Fixed Angle Rotor	12x1.5/2.0 ml	20000	27700xg	BCBHR-305
BX-103054	Fixed Angle Rotor	24x1.5/2.0 ml	14000	18180xg	BCBHR-305
BX-103055	Fixed Angle Rotor	10x5 ml	16000	17700xg	BCBHR-305
BX-103056	Fixed Angle Rotor	12x10ml/5 ml	12000	13400xg	BCBHR-305
BX-103057	Fixed Angle Rotor	12x5ml	15000	15600xg	BCBHR-305
BX-103058	Fixed Angle Rotor	6x50 ml	12000	13800xg	BCBHR-305
BX-103059	Swinging-bucket Rotor	12x10 ml	4000	2330xg	BCBHR-305
BX-103060	Swinging-bucket Rotor	4x10 ml	6000	3200xg	BCBHR-305
BX-103061	Swing Micro-Plate rotor	2x2x48 holes	3000	1400xg	BCBHR-305
BX-103062	Fixed Angle Rotor	12x1.5/2.0 ml	20600	29400xg	BCBHR-306
BX-103063	Fixed Angle Rotor	24x1.5/2.0 ml	14000	18180xg	BCBHR-306
BX-103064	Fixed Angle Rotor	12x10ml/5 ml	14000	18800xg	BCBHR-306
BX-103065	Fixed Angle Rotor	6x50 ml	12000	13800xg	BCBHR-306
BX-103066	Fixed Angle Rotor	8x50 ml	10000	10500xg	BCBHR-306
BX-103067	Fixed Angle Rotor	4x100 ml	10000	10500xg	BCBHR-306
BX-103068	Fixed Angle Rotor	6x100 ml	11000	14520xg	BCBHR-306
BX-103069	Swinging-bucket rotor Plate				BCBHR-306
BX-103070	Swinging-bucket rotor Plate-Buckets	4x50 ml	5000	4600xg	BCBHR-306
BX-103071	Swinging-bucket rotor Plate-Buckets	4x100 ml	5000	4800xg	BCBHR-306
BX-103072	Swinging-bucket rotor Plate-	8x50 ml	4000	2810xg	BCBHR-306

	Buckets				
BX-103073	Swinging-bucket rotor Plate-Buckets	32 x15 ml	4000	2810xg	BCBHR-306
BX-103074	Swinging-bucket rotor Plate-Buckets	32 x10 ml	4000	2810xg	BCBHR-306
BX-103075	Swinging-bucket rotor Plate-Buckets	48x5ml/2ml	4000	2940xg	BCBHR-306
BX-103076	Swinging-bucket Rotor	76x5ml/2ml	4000	3100xg	BCBHR-306
BX-103077	Swinging-bucket Rotor	4x250 ml	4000	3290xg	BCBHR-306
BX-103078	Swinging-bucket Rotor-Adapter	8x50 ml	4000	3290xg	BCBHR-306
BX-103079	Swinging-bucket Rotor-Adapter	4x6 x 15 ml	4000	3290xg	BCBHR-306
BX-103080	Swinging-bucket Rotor-Adapter	4x8 x 10 ml	4000	3290xg	BCBHR-306
BX-103081	Swinging-bucket Rotor-Adapter	4x 10 x 5 ml	4000	3290xg	BCBHR-306
BX-103082	Swing Micro- Plate Rotor	2x2x96 holes	4000	2360xg	BCBHR-306
BX-103083	Fixed Angle Rotor	12x1.5/2.0 ml	20800	30000xg	BCBHR-307
BX-103084	Fixed Angle Rotor	24x1.5/2.0 ml	14000	18180xg	BCBHR-307
BX-103085	Fixed Angle Rotor	18x1.5 ml	16000	17700xg	BCBHR-307
BX-103086	Fixed Angle Rotor	30x1.5 ml	12000	15300xg	BCBHR-307
BX-103087	Fixed Angle Rotor	48x0.5 ml	13000	16300xg	BCBHR-307
BX-103088	Fixed Angle Rotor	10x5 ml	16000	17700xg	BCBHR-307
BX-103089	Fixed Angle Rotor	12x10ml	14000	18800xg	BCBHR-307
BX-103090	Fixed Angle Rotor	12x5ml	15000	15600xg	BCBHR-307
BX-103091	Fixed Angle Rotor	8x15 ml	12000	14800xg	BCBHR-307
BX-103092	Fixed Angle Rotor	6x50 ml	12000	13800xg	BCBHR-307
BX-103093	Fixed Angle Rotor	4x100 ml	10000	10500xg	BCBHR-307
BX-103094	Swinging-bucket Rotor	4x100 ml	4000	2100xg	BCBHR-307
BX-103095	Swinging-bucket Rotor	12x10 ml	4000	2330xg	BCBHR-307
BX-103096	Swinging-bucket Rotor	4x50 ml	4000	2150xg	BCBHR-307
BX-103097	Swinging-bucket Rotor	4x10 ml	6000	3200xg	BCBHR-307
BX-103098	Swing Micro-Plate Rotor	2x2x48 holes	3000	1400xg	BCBHR-307
BX-103099	Fixed Angle Rotor	12x1.5/2.0 ml	24000	39900xg	BCBHR-308
BX-103100	Fixed Angle Rotor	24x1.5/2.0 ml	16000	23800xg	BCBHR-308
BX-103101	Fixed Angle Rotor	18x1.5 ml	16000	17700xg	BCBHR-308
BX-103102	Fixed Angle Rotor	30x1.5 ml	12000	15300xg	BCBHR-308
BX-103103	Fixed Angle Rotor	48x0.5 ml	13500	17500xg	BCBHR-308
BX-103104	Fixed Angle Rotor	10x5 ml	20000	27700xg	BCBHR-308
BX-103105	Fixed Angle Rotor	12x10ml	15000	21600xg	BCBHR-308
BX-103106	Fixed Angle Rotor	12x5ml	15000	15600xg	BCBHR-308
BX-103107	Fixed Angle Rotor	8x15 ml	12000	14800xg	BCBHR-308
BX-103108	Fixed Angle Rotor	6x50 ml	12000	13800xg	BCBHR-308
BX-103109	Fixed Angle Rotor	4x100 ml	11000	11720xg	BCBHR-308
BX-103110	Swinging-bucket Rotor	4x100 ml	4000	2140xg	BCBHR-308
BX-103111	Swinging-bucket Rotor	12x10 ml	4000	2330xg	BCBHR-308
BX-103112	Swinging-bucket Rotor	4x50 ml	4000	2150xg	BCBHR-308
BX-103113	Swinging-bucket Rotor	4x10 ml	6000	3200xg	BCBHR-308
BX-103114	Swing Micro- Plate Rotor	2x2x48 2x2x48holes	3000	1400xg	BCBHR-308



BCBHR-302



BCBHR-303



BCBHR-304

300 SERIES FLOOR TYPE HIGH SPEED REFRIGERATED CENTRIFUGE



Microcomputer controlled programmable operation with touch panel

TFT true-colour LCD wide screen displays set and run conditions for easy monitoring

Brushless DC Motor ensures low maintenance, high efficiency, constant speed of rotation

Fully stainless steel structure and a stainless steel cavity makes the machine safe and more efficient

Acceleration/Deceleration takes around 30 sec to 1 min

Special driver module ensures circuit's reliability

High quality fluoride-free refrigeration compressor allows temperature adjustment and achieves high-precision temperature controls and reduced noise

Multiple layers of shock absorbers with auto balancing function

Triple protective layers of steel bushings to achieve secure and reliable operation

System is complemented by multiple new accessories, including tube racks, centrifuge adapters and rotors

Can store 20 user programs. The program previously used will be running when the machine is started.

Safety features: Self diagnostic, Rotor Identification, Rotor imbalance detector, Lid protection, Door Cover Protection, Built in electronic door lock and protection, over speed protection, over temperature protection

SPECIFICATIONS

Model	BCFHR-301	BCFHR-302	BCFHR-303	BCFHR-304
Maximum Capacity (No of tubes x Vol.)	6x500 ml	4x750ml	6x500 ml	4x1000 ml
Temperature Range	-20°C to +40°C			
Temperature Accuracy	±1°C			
Maximum Speed RPM	20000	20600	21000	25000
Speed Increment	±50 rpm			
Maximum RCF	43840xg	29400xg	48330xg	64983xg
Timer Range	0-99 h 59 min			
Overall Dimension	820x710x950 mm	710x560x770 mm	820x710x950 mm	840x730x960 mm
Program	16 user programs	20 user programs	16 user programs	
Control	Microcomputer			
Display	LCD			
Noise Level	≤65dB		≤68dB	≤65dB
Weight (Net/Gross)	240/260 kg	110 kg	240/260 kg	260/290 kg
Power	4000 W	2000 W	4000 W	
Power Supply	220V, 50Hz		220V, 50Hz 30A	220V, 50Hz
Speed Accuracy	-	-	-	±30 rpm

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Speed RPM	RCF _{xg}	For Models
BX-103196	Fixed Angle Rotor	16x10 ml	20000	43840xg	BCFHR-301
BX-103197	Fixed Angle Rotor	6x50 ml	18000	37580xg	BCFHR-301
BX-103198	Fixed Angle Rotor	8x 50 ml	16000	29365xg	BCFHR-301
BX-103199	Fixed Angle Rotor	6x 70 ml	15000	25700xg	BCFHR-301
BX-103200	Fixed Angle Rotor	8x100 ml	12000	19830xg	BCFHR-301
BX-103201	Fixed Angle Rotor	6 x300 ml	10000	18550xg	BCFHR-301
BX-103202	Fixed Angle Rotor	6x500 ml	8000	11800xg	BCFHR-301
BX-103203	Fixed Angle Rotor	6x500 ml (beckman bottle)	10000	17700xg	BCFHR-301
BX-103204	Fixed Angle Rotor	30 x 1.5ml	18000	34485xg	BCFHR-301
BX-103205	Swing Micro-Plate Rotor	2x2x96 2x2x96 places	4000	2360xg	BCFHR-301
BX-103206	Fixed Angle Rotor	12 x 1.5/2.0ml	20600	29400xg	BCFHR-302
BX-103207	Swinging-bucket Rotor	4 x 750ml	4000	3500xg	BCFHR-302
BX-103208	Swinging-bucket Rotor- Adapter	4x 500 ml round bucket	4000	3580xg	BCFHR-302
BX-103209	Swinging-bucket Rotor- Adapter	4x250 ml/300ml	4000	3580xg	BCFHR-302
BX-103210	Swinging-bucket Rotor- Adapter	4x3 x 50 ml	4000	3580xg	BCFHR-302
BX-103211	Swinging-bucket Rotor- Adapter	4x8 x 15 ml	4000	3580xg	BCFHR-302
BX-103212	Swinging-bucket Rotor- Adapter	4x12 x 10 ml	4000	3580xg	BCFHR-302
BX-103213	Swinging-bucket Rotor- Adapter	4x19x5 ml (Vacuum bloom tube)	4000	3580xg	BCFHR-302
BX-103214	Fixed Angle Rotor	24 x 1.5/2.0ml	14000	18180xg	BCFHR-302
BX-103215	Fixed Angle Rotor	12 x 10ml/5ml	14000	18800xg	BCFHR-302
BX-103216	Fixed Angle Rotor	6x 50 ml	12000	13800xg	BCFHR-302
BX-103217	Fixed Angle Rotor	4x100 ml	10000	10500xg	BCFHR-302
BX-103218	Fixed Angle Rotor	6x100 ml	11000	14520xg	BCFHR-302
BX-103219	Fixed Angle Rotor	6x250 ml	8000	9200xg	BCFHR-302
BX-103220	Swing Micro- Plate Rotor	2x2x96 2x2x96 places	4000	2360xg	BCFHR-302
BX-103221	Fixed Angle Rotor	16x10 ml	21000	48330xg	BCFHR-303
BX-103222	Fixed Angle Rotor	6x50 ml	18000	37580xg	BCFHR-303
BX-103223	Fixed Angle Rotor	8x 50 ml	16000	29365xg	BCFHR-303
BX-103224	Fixed Angle Rotor	6x 70 ml	15000	25700xg	BCFHR-303
BX-103225	Fixed Angle Rotor	8x100 ml	12000	19830xg	BCFHR-303
BX-103226	Fixed Angle Rotor	6 x300 ml	10000	18550xg	BCFHR-303
BX-103227	Fixed Angle Rotor	6x500 ml	8000	11800xg	BCFHR-303
BX-103228	Fixed Angle Rotor	6x500 ml (beckman bottle)	10000	17700xg	BCFHR-303
BX-103229	Fixed Angle Rotor	30 x 1.5ml	18000	34485xg	BCFHR-303
BX-103230	Contintous Flow Rotor	1000 ml	14000	21500xg	BCFHR-303
BX-103231	Contintous Flow Rotor	3000 ml	8000	9500xg	BCFHR-303
BX-103232	Contintous Flow Rotor	1000 ml	16000	28100xg	BCFHR-303
BX-103233	Contintous Flow Rotor	3000 ml	10000	14800xg	BCFHR-303
BX-103234	Swing Micro-Plate Rotor	2x2x96 places	4000	2360xg	BCFHR-303
BX-103235	Fixed Angle Rotor	24x1.5/2.2 ml	25000	64983xg	BCFHR-304
BX-103236	Fixed Angle Rotor	18x10 ml	23000	60460xg	BCFHR-304
BX-103237	Fixed Angle Rotor	8x50ml	21000	52356xg	BCFHR-304
BX-103238	Fixed Angle Rotor	8x50 ml	21000	52356xg	BCFHR-304
BX-103239	Fixed Angle Rotor	4x250 ml	15000	33800xg	BCFHR-304

BX-103240	Fixed Angle Rotor	6x250 ml	14000	30070xg	BCFHR-304
BX-103241	Fixed Angle Rotor	6x500 ml	10000	17700xg	BCFHR-304
BX-103242	Fixed Angle Rotor	4x1000 ml	8000	12040xg	BCFHR-304



BCFHR-301



BCFHR-302



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