BioLAB

PRODUCT CATALOG

LABORATORY HIGH SPEED CENTRIFUGE
BCFHR-304

CE ISO9001 CERTIFIED

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LABORATORY HIGH SPEED CENTRIFUGE BCFHR-304

HIGH SPEED REFRIGERATED CENTRIFUGES

• Mitsubishi PLC, Weinview touch screen and a high-torque variable frequency AC motor are used to ensure the stable operation with low noise and create a comfortable laboratory environment.
• Imported fluorine-free refrigeration compressor unit and eco-friendly refrigerant R404a, allowing for a wide temperature control range: -20℃ to + 40℃ (can be set during operation); pre-cooling function (quickly cool down to the set temperature); standby cooling function (maintain the set temperature in the standby state); heating and defrosting function.
• Early warning functions such as overspeed, overheating, imbalance, undervoltage, and overvoltage warnings; three-stage damping shock absorber, a specially combined shock absorbing device to ensure the motor runs smoothly and safely and prevent samples from resuspending, thus securing excellent centrifugal effect.

SPECIFICATIONS

Model	BCFHR-304
Max capacity	4x1,000mL
Max speed	25,000r/min
Max RCF	64,465xg
Speed accuracy	±30r/min (customizable, multiples of 10)
Refrigeration system	Imported fluorine-free refrigeration compressor unit and eco-friendly refrigerant R404a
Temperature control range	-20℃~+40℃
Temperature control accuracy	±1℃
Number of running programs	16
Control and drive system	High torque variable frequency AC motor, microcomputer control
Timer range	1min~99h59min59s, with continuous centrifugation and instantaneous centrifugation
Rotor recognition	Auto rotor identification
Noise	≤65dB(A)
Total power	4.0kW
Weight	260kg
Dimensions (LxWxH)	710mmx910mmx950mm
Alt Name	High Speed Refrigerated Centrifuges

ACCESSORIES FOR PURCHASE

No	Name	Description
1	Fixed-angle Rotor 24x1.5/2.0ml	Max RPM: 25,000r/min Max RCF: 58,695xg
2	Fixed-angle Rotor 30x1.5mL	Max RPM: 21,000r/min Max RCF: 53,741xg
3	Fixed-angle Rotor 16x10 mL	Max RPM: 21,000r/min Max RCF: 48811xg
4	Fixed-angle Rotor 18x10mL (titanium alloy)	Max RPM: 23,000r/min Max RCF: 58,551xg
5	Fixed-angle Rotor 20x15mL (conical-bottom)	Max RPM: 14,000r/min Max RCF: 26295xg
6	Fixed-angle Rotor 6x50ml (conical-bottom)	Max RPM: 20,000r/min Max RCF: 41,589xg

7	Fixed-angle Rotor 6x50mL (round-bottom)	Max RPM: 21,000r/min Max RCF: 46,346xg
8	Fixed-angle Rotor 8x50mL (round-bottom)	Max RPM: 16,000r/min Max RCF: 28,048xg
9	Fixed-angle Rotor 8x50mL (round-bottom) (titanium alloy)	Max RPM: 21,000r/min Max RCF: 48,318xg
10	Fixed-angle Rotor 8x50ml (conical-bottom)	Max RPM: 16,000r/min Max RCF: 30,052xg
11	Fixed-angle Rotor 8x100mL (round-bottom)	Max RPM: 14,000r/min Max RCF: 25,637xg
12	Fixed-angle Rotor 6x250mL	Max RPM: 14,000r/min Max RCF: 29,583xg
13	Fixed-angle Rotor 6x500mL	Max RPM: 8,000r/min Max RCF: 11,377xg
14	Fixed-angle Rotor 6x500mL (imported bottle)	Max RPM: 10,000r/min Max RCF: 17,776xg
15	Cable fiber fixed-angle rotor 6x500mL (imported bottle)	Max RPM: 12,000r/min Max RCF: 25597xg
16	Fixed-angle Rotor 4x1,000mL	Max RPM: 8,000r/min Max RCF: 12,594xg
17	Continuous flow rotor 1000mL	Max RPM: 14,000r/min Max RCF: 21,475xg
18	Continuous flow rotor 3000mL	Max RPM: 8,000r/min Max RCF: 9,445xg
19	Swing-out rotor 4x750ml	Max RPM: 4,000r/min Max RCF: 3,536xg
20	Microplate Rotor 4x2x96 holes	Max RPM: 4,000r/min Max RCF: 3166xg

FEATURES

• Mitsubishi PLC, Weinview touch screen and a high-torque variable frequency AC motor are used to ensure the stable operation with low noise and create a comfortable laboratory environment.

• Imported fluorine-free refrigeration compressor unit and eco-friendly refrigerant R404a, allowing for a wide temperature control

range: -20℃ to + 40℃ (can be set during operation); pre-cooling function (quickly cool down to the set temperature); standby cooling function (maintain the set temperature in the standby state); heating and defrosting function.
• Early warning functions such as overspeed, overheating, imbalance, undervoltage, and overvoltage warnings; three-stage damping shock absorber, a specially combined shock absorbing device to ensure the motor runs smoothly and safely and prevent samples from resuspending, thus securing excellent centrifugal effect.

• Touch control mode for displaying both the set parameters and running parameters, with an intuitive, simple, and easy-to-use interface; operation menu in multiple languages.

• Biosafety air-tight fix-angle rotor adopting an integral silicone rubber sealing ring (EU RoHS 2015/863) to avoid aerosol overflow and fully ensure the safety of operators and lab environments.

• Stainless steel centrifugal chamber equipped with an all-steel plastic-sprayed housing, integrally formed stamping steel front cover, and a three-layer steel protective cover, which is sturdy and durable to ensure the safety of operators and labs.

• Easy-to-use mechanical locks suitable for various harsh environments (gently close the door, and the locking system will be triggered to lock the door securely).

• 12 levels speed-up and speed-down control; storage of up to 16 sets of user-defined programs; modification of control parameters of the running rotor at any time; display of speed rise and fall curve, centrifugal integral curve, and temperature curve.

• Multi-specification forged aerospace aluminum rotors (fix-angle rotors only) and a variety of optional polyamide fiber adapters, suitable for 1.5mL to 1,000mL centrifuge tubes or reagent bottles.

• Casters and carbon steel caster adjustment blocks at the bottom for easy movement and level adjustment of the device.

• CFDA registration and production qualification, with ISO 9001 (2015) and ISO 13485 (2016) certifications.

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