



LABORATORY LOW SPEED REFRIGERATED CENTRIFUGE BET111

LABORATORY LOW SPEED REFRIGERATED CENTRIFUGE BET11I

BENCHTOP LOW SPEED LARGE CAPACITY REFRIGERATED CENTRIFUGES



- The new XIUI3.0 OS features microcomputer control, programmable operations, and direct drive by a variable frequency brushless motor for precise speed control.
- A 7" wide-angle LCD touch screen is for digital input and simple to operate. It can display set and run parameters in real time. The all-steel housing is treated with corrosion-resistant orange peel fine wrinkles showing full lines, featuring an industrial human-machine design that reflects a sense of safety while being visually appealing, and allowing a high recognition rate.
- They utilize imported fluorine-free refrigerating compressor units (refrigerant R404a) that meet the environmental requirements, with pre-cooling function and a wide temperature control range: -20°C to +40°C, quickly reaching the set temperature; the chamber is embedded with copper pipes complying with national standard

SPECIFICATIONS

Model	BET11I
Max capacity	4x750ml
Max speed	6,500r/min
Max RCF	4,800xg
Speed accuracy	±20r/min (customizable, multiples of 10)
Control and drive system	Microcomputer control, maintenance-free large-torque inverter brushless motor
Display mode	7" wide-angle LCD touch screen
Operation mode	Touch control (with local control option)
Rotor recognition	Automated loading and locking of rotor parameters (optional)
Refrigeration system	Imported fluorine-free refrigeration compressor unit and eco-friendly refrigerant R404a
Temperature control range	-20°C~+40°C
Temperature control accuracy	±1°C
Gears up/down	10 gears
Timer range	1s-99h59min59s, with continuous centrifugation and instantaneous centrifugation
Total power	1.5kW
Noise	≤65dB(A)
Power supply	AC220V 50Hz
Weight	118kg
Dimensions (LxWxH)	835mmx630mmx450mm
Alt Name	Benchtop Low Speed Large Capacity Refrigerated Centrifuges

ACCESSORIES FOR PURCHASE

No	Name	Description
1	Fixed-angle Rotor 12x10mL	Max RPM: 6,500r/min Max RCF: 4284xg
2	Fixed-angle Rotor 12x15ml (through-holes)	Max RPM: 5,500r/min Max RCF: 3,390xg



1



2

No	Name	Description
1	Swing-out rotor	Max RPM: 5,000r/min Max RCF: 4,800xg
2	Tube rack 5mL (ordinary tube)	Number of centrifuges: 5mLx48 holes Max RPM: 4,000r/min Max RCF: 2,368xg
3	Tube rack 5mL (blood collection tube)	Number of centrifuges: 5mLx48 holes Max RPM: 4,000r/min Max RCF: 2,832xg
4	Tube rack 15mL	Number of centrifuges: 15mLx24 holes Max RPM: 4,000r/min Max RCF: 2,960xg
5	Tube rack 15mL	Number of centrifuges: 15mLx32 holes Max RPM: 4,000r/min Max RCF: 2,960xg
6	Tube rack 50mL	Number of centrifuges: 50mLx4 holes Max RPM: 5,000r/min Max RCF: 4,625xg
7	Tube rack 50mL	Number of centrifuges: 50mLx8 holes Max RPM: 4,000r/min Max RCF: 2,960xg
8	Tube rack 100mL	Number of centrifuges: 100mLx4 holes Max RPM: 5,000r/min Max RCF: 4,800xg
9	Tube rack 100mL	Number of centrifuges: 100mLx8 holes Max RPM: 4,000r/min Max RCF: 3,072xg
10	Swing-out rotor	Max RPM: 4,000r/min Max RCF: 3,024xg
11	Tube rack 5mL (blood collection tube)	Number of centrifuges: 5mLx76 holes Max RPM: 4,000r/min Max RCF: 3,024xg
12	Tube rack 250mL (flat bottom)	Number of centrifuges: 250mLx4 holes Max RPM: 4,000r/min Max RCF: 2,848xg
13	Swing-out rotor	Max RPM: 4,000r/min Max RCF: 3,024xg
14	Tube rack 5mL (blood collection tube)	Number of centrifuges: 5mLx124 holes Max RPM: 4,000r/min Max RCF: 3,584xg

15	750mL	Number of centrifuges: 750mLx4 holes Max RPM: 4,000r/min Max RCF: 3,536xg
16	Swing-out rotor 4x500ml	Max RPM: 4,000r/min Max RCF: 3,360xg
17	Microplate Rotor 2x2x96 holes	Max RPM: 4,000r/min Max RCF: 2,368xg
18	Microplate Rotor 4x2x96 holes	Max RPM: 4,000r/min Max RCF: 3,008xg



FEATURES

- The new XIUI3.0 OS features microcomputer control, programmable operations, and direct drive by a variable frequency brushless motor for precise speed control.
- A 7' wide-angle LCD touch screen is for digital input and simple to operate. It can display set and run parameters in real time. The all-steel housing is treated with corrosion-resistant orange peel fine wrinkles showing full lines, featuring an industrial human-machine design that reflects a sense of safety while being visually appealing, and allowing a high recognition rate.
- They utilize imported fluorine-free refrigerating compressor units (refrigerant R404a) that meet the environmental requirements, with pre-cooling function and a wide temperature control range: -20°C to +40°C, quickly reaching the set temperature; the chamber is embedded with copper pipes complying with national standards for strong hot and cold exchange capabilities and ensuring constant-temperature centrifugation.
- They feature multiple audio/visual early warning protection functions for overspeed, over temperature, imbalance, wrong operation, overcurrent, overvoltage, and antipinch. The fluorosilicone rubber sealing ring, resistant to hydrogen, oil, acids and alkalis, is capable of long-time use at the temperature from -55°C to +200°C. The aesthetically pleasing and hermetically thermoformed inner panel of the cabin door can dually prevent aerosol spillage. The 304 stainless steel seamless corrosion-resistant centrifuge chamber and steel cylinder sleeve are designed with a soundabsorbing air duct. The patented carbon fiber hood is optional, and it can enable low temperature rise and low noise, providing a comfortable and reliable experimental environment.
- The door cover has an electronic lock and electric support rod, allowing for smooth and stable automatic one-button opening and closing. In case of shutdown or power outage, the door cover can be manually opened. The patented anti-pinch function can prevent injuring fingers by hasty operations
- There are 10 gears for acceleration/deceleration and three-stage damping for shock absorption, ensuring stable sample operation without resuspension. They can store 99 groups of programs and be programmable according to user needs for point control, timing, differential timing, density, and gradient centrifugation, thus meeting diverse experimental requirements.

- The hidden drainage function allows for easy expulsion of condensate water with a gentle squeeze, thereby preventing motor failure due to condensate water and extending the centrifuge's lifespan.
- The optional rotor has an auto recognition function and can automatically load and lock rotor parameters; parameters may be modified during operation without the need to stop, and current parameters may be automatically saved.
- Paired with forged aerospace aluminum rotors (fix-angle rotors only) and a variety of optional polyamide fiber adapters, the centrifuges are suitable for 0.2mL to 750mL centrifuge tubes or reagent bottles and are able to centrifugate all types of MTP microplates, PCR plates, cell culture plates and deep well plates.
- These products are supported by certifications including ISO 9001 (2015); ISO 13485 (2016); ISO 14001 (2015); ISO 45001 (2018); and CFDA registration and production qualification.
- The Bluetooth/Type C interface function is optional for short-range control via mini-programs, facilitating system upgrades and experimental data downloads.

APPLICATIONS

With an experimental throughput as high as 4x750ml, they are ideal devices for benchtop low-speed refrigerated high-throughput applications, with extraordinary versatility. They are widely used in experiments and scientific research in the fields of biology, chemistry, medicine, agriculture and forestry, food safety, blood stations, clinical trials, etc.

MORE INFO

Customizable per customer needs

Tube rack	Adapter
10mL	1x1.5/2mL, 1x5mL
15mL	1x1.5/2mL, 1x5mL, 1x10mL
50mL	3x1.5/2mL, 1x5mL, 1x10mL, 1x10mL, 1x15mL, 1x20mL, 1x30mL
100mL	3x1.5/2mL, 4x5mL, 1x50mL
250mL	12x1.5/2mL, 9x5mL, 7x10mL, 1x50mL, 1x100mL
500mL	18x5mL, 12x10mL, 8x15mL, 4x50mL, 1x100mL, 1x250mL
750mL	27x5mL, 15x10mL, 12x15mL, 7x50mL, 3x100mL, 1x300mL, 1x500mL



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