



FLOOR STANDING HIGH SPEED REFRIGERATED CENTRIFUGE BKB-3701

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Direct drive motor without replacing the belt.

The intelligent vacuum friction reducing system has a simple and effective sealing structure. The sealing part does not need to be coated with vacuum silicone grease, and all sealing parts do not need special maintenance.

New generation dynamic intelligent control system, user operate the centrifuge according to conventional centrifuge use method without additional operation. Excellent energy consumption performance. Save up to 65% energy consumption compared with traditional centrifuge.

Adopt AC variable frequency motor, speed accuracy ± 10 r/ min. Unique motor bearing heat dissipation patent makes the motor bearing always work in the best state and greatly improves the service life of the motor.

The flexible driving device of centrifuge with protection, which makes the rotor

SPECIFICATIONS

Model	BKB-3701
Max. Speed	26000rpm
Max. RCF	80035xg
Max. Capacity	6x1000ml
Angle Rotor Max. Speed	26000rpm
Angle Rotor Max. RCF	80035xg
Angle Rotor Max. Capacity	6x1000ml
Swing Rotor Max. Speed	4000rpm
Swing Rotor Max. RCF	3500xg
Swing Rotor Max. Capacity	4x750ml
Time Setting Range	1min to 99h59min, HOLD
Timing Mode	Start timing after spinning, Start timing after reach setting speed, Short spinning or Continuous timing, Operation at an appointed time
Temperature Setting Range	-20°C to 40°C
Temperature Accuracy	$\pm 1^{\circ}\text{C}$
Speed Accuracy	$\pm 10\text{r/min}$
Speed Range	100RPM to Max. speed with step 100RPM(speed step can be customized, multiple of 10)
Rotor Identification	Yes
Steps Centrifugation	Yes (100 programs, each programs with 5 steps, More programs can be saved by adding external memory card)
Pre-cooling Function	Yes
Compressor Unit	High Performance Compressor Unit; Environment-friendly refrigerant(R404a)
Protection Function	Imbalance Protection, Rotor Identification, Door Lid Anti Pinch Protection, Motor Overheating Protection, Over-speed Protection and Over-temperature Protection
Motor	AC Variable Frequency Motor
Power Supply	AC 220 $\pm$ 22V 50Hz
Power Consumption	1.7kW
Noise	$\leq 65\text{dB(A)}$
Dimension (WxDxH)	730x930x960(mm)
Packing Dimension (WxDxH)	880x1120x1180(mm)
Net Weight	260kg

Alt Name	High Speed Refrigerated Centrifuge
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ACCESSORIES FOR PURCHASE

No	Name	Max. Speed	Max. RCF	Max. Capacity
1	Angle Rotor	23000	60460	18x10ml
2	Angle Rotor	23000	57134	48x1.5ml
3	Angle Rotor	26000	80053	8x50ml(titanium alloy)
4	Angle Rotor	24000	68196	8x50ml
5	Angle Rotor	15000	34519	6x250ml
6	Angle Rotor	10000	17700	6x500ml
7	Angle Rotor	10500	20740	4x1000ml(Carbon Fibre)
8	Angle Rotor	23000	62690	8x50ml(Carbon Fibre)
9	Angle Rotor	18000	47898	10x100ml
10	Swing rotor	13000	26500	6x50ml(with windshiled)
11	Angle Rotor	14000	30070	12x50ml(conical)
12	Swing Rotor Yoke	4000	3500	4x750ml
13	Round buckets	4000	3500	4x750ml
14	Swing Rotor Yoke	4000	3500	4x750ml
15	Round buckets(aerosol-tight)	4000	3500	4x750ml
16	Adapter	4000	3500	4x1x500ml(conical)
17				4x1x500ml(flat)
18				4x250ml(conical)
19				4x1x250ml(flat)
20				4x4x100ml
21				4x7x50ml(conical)
22				4x7x50ml
23				4x5x50ml(self-standing tube)
24				4x10x20ml
25				4x15x15ml(conical)
26				4x19x10ml(self-standing tube)
27				4x21x10ml
28				4x27x5/7ml
29				4x37x5ml(RIA tube)
30				4x56x1.5ml
31	Swing Rotor Yoke	4000	3345	4x500ml
32	Round buckets			
33	Swing Rotor Yoke	4000	3345	4x500ml
34	Round buckets(aerosol-tight)	4000	3345	4x500ml
35	Adapter	4000	3345	4x1x250ml
36				4x2x100ml
37				4x4x50ml(conical/round)
38				4x7x20ml
39				4x9x15ml(conical/round)
40				4x11x15ml(conical)
41				4x14x10ml
42				4x19x5/7ml
43				4x36x1.5ml

44	Swing Rotor Yoke	4000	3345	4 rectangular buckets
45	Rectangular buckets			
46	Swing Rotor Yoke	4000	3345	4x500ml rectangular
47	Rectangular buckets(aerosol-tight)			
48	Adapter	4000	3345	4x1x250ml
49				4x3x100ml
50				4x6x50ml(conical/round)
51				4x12x15ml(conical)
52				4x12x15ml
53				4x20x10ml
54				4x31x5/7ml
55				4x56x1.5ml
56	Swing Rotor Yoke	4000	3345	4x1x96well plate deep 4x2x96 well
57	Microplate BUCKETS			
58	Angle Rotor	16000	39275	6x250ml(Carbon Fibre)
59	Angle Rotor	12000	25488	6x500ml(Carbon Fibre)
60	Angle Rotor	9000	18320	6x1000ml(Carbon Fibre)

FEATURES

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Excellent energy consumption performance. Save up to 65% energy consumption compared with traditional centrifuge.

Adopt AC variable frequency motor, speed accuracy ± 10 r/min. Unique motor bearing heat dissipation patent makes the motor bearing always work in the best state and greatly improves the service life of the motor.

The flexible driving device of centrifuge with protection, which makes the rotor spinning extremely smoothly, meanwhile, continuously detect the unbalance state of the rotor in operation. Which greatly improve safety in centrifugation process. This technology has obtained national patent

The centrifuge door lock with labor-saving operation and good safety has won national patent

316 stainless chamber and unique copper pipe configuration technology, not only make the refrigeration efficiency extremely high, but also the overall corrosion resistance is excellent.

The self-developed high-speed centrifuge bottle can not only bear high centrifugal force but also disinfect at high temperature without deformation(121°C, 15min),

Ergonomic height design ensure easy sample loading and unloading and easy cleaning.

Convenient installation of the rotor without the help of any tools, just put rotors on Rotor shaft without screw fixing or buttons' operation.

All the alloy aluminum rotor are forged with 7075 series alloy aluminum, hard oxidation on the surface and strong corrosion resistance.

Improve productivity with new generation carbon fiber rotors, an advanced alternative to metal rotors, offering unequalled durability with fatigue- and corrosion-resistance for worry-free operation spin after spin.

Glove-friendly 7-inch HD touch screen, intuitive display and easy to operate. The setting parameters and running parameters can be displayed simultaneously.

Directly input the setting value without adjustment, more convenient compared with traditional knob operation.

Powerful control system offering the function of 5-steps gradient separation, sample ID, startup at appointed time, the mode of profiles, free choice of programs and multiple operation language option.

Strong safety performance, the user management function prevent programs from unexpected modification or deletion.

Safe and reliable centrifugation, max speed up to 26000rpm, and many rotors are available to choose from.



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