



LABORATORY HIGH SPEED REFRIGERATED CENTRIFUGE BFD1H1 (BCBHR-311)

LABORATORY HIGH SPEED REFRIGERATED CENTRIFUGE

BFD1H1

FLOOR STANDING HIGH SPEED LARGE CAPACITY REFRIGERATED CENTRIFUGE



SPECIFICATIONS

Model	BFD1H1
Old Model	BCBHR-311
Swing-Bucket Rotors	
--Max. Capacity	4 x 750 ml
--Max. Speed	10 000 rpm with 6 x 50 ml rotor
--Max. RCF	15 680 Xg with 6 x 50 ml rotor
Fixed-Angle Rotors	
Control System	Microprocessor via user-intuitive touchscreen interface control
Refrigeration System	CFC-Free
Drive System	Direct, induction motor drive (Inverter Control)
Display	Full color touchscreen interface
Rotor Identification	Auto-ID Instant, immediately upon rotor insertion
Programmability	via easy access touchscreen menu
Program Storage	100 user-defined
Running Time	1s - 99h:59min:59s, Short
Timer	Count up or down
Speed Accuracy	± 10 r/min
Accel/Decel Profiles	40/40
Temp. Control Range	-20 °C to +40 °C
Temp. Accuracy	± 1 °C
Noise Level	≤ 65 dB(A) (depending on rotor)
Power Supply	AC 200-240 V, 50 Hz or AC 200-240 V, 60 Hz
Max. Power Consumption	5 KW
Safety Device	Rotor identification system with overspeed protection, imbalance protection, overcurrent protection, lid interlock system, lid open/close detection, steel housing, corrosion-resistant stainless steel centrifuge chamber, additional inner steel armored guard ring, steel lid, etc.
Dimension (W x D x H)	28.7 x 33.5 x 36.6 in / 73 x 85 x 93 cm
Weight w/o Rotor	617 lb / 280 kg
Alt Name	Floor Standing High Speed Large Capacity Refrigerated Centrifuge

ACCESSORIES FOR PURCHASE

No	Name	Rotor Capacity (places x volume, ml)	Tube Size (Φ x L in mm)	Max Speed (rpm)	Max RCF (g)
1	No. 1 Fixed-Angle Rotor	24 x 1.5/2.0 ml (with adapters for 0.2/0.5 ml tube)	Φ11 x 42	25 000 rpm	64 800 Xg
2	No. 2-1 Fixed-Angle Rotor	16 x 10 ml	Φ16 x 86	23 000 rpm	56 880 Xg
3	No. 2-2 Fixed-Angle Rotor	16 x 10 ml	Φ16 x 86	24 000 rpm	65 000 Xg
4	No. 3 Fixed-Angle Rotor	8 x 50 ml (round) a)	Φ29 x 111	21 000 rpm	52 560 Xg
5	No. 4 Fixed-Angle Rotor	6 x 250 ml a)	Φ61 x 136	14 000 rpm	32 385 Xg
6	No. 5 Fixed-Angle Rotor	6 x 500 ml a)	Φ74 x 170	10 000 rpm	23 117 Xg
7	No. 6 Fixed-Angle Rotor	6 x 1 000 ml	Φ97 x 166	8 000 rpm	15 190 Xg
8	No. 7 Fixed-Angle Rotor	12 x 50 ml (conical) a)	Φ29 x 120	14 000 rpm	31 335 Xg
9	No. 8-1 Swing-Bucket Rotor	4 x 750 ml	Φ100 x 141	5 000 rpm	5 600 Xg
10		4 x 500 ml	Φ80 x 137		
11		4 x 250 ml	Φ63 x 111		
12		4 x 175/225 ml Falcon conical bottle	Φ61 x 118/137		
13		12 x 100 ml	Φ38 x 114		
14		28 x 50 ml (conical)	Φ29 x 116		
15		28 x 50 ml (round)	Φ29 x 111		
16		28 x 30 ml	Φ25.5 x 100		
17		28 x 25 ml (conical)	Φ29 x 78.5		
18		56 x 15 ml	Φ17 x 121		
19		72 x 10 ml	Φ16.5 x 86-110		
20		56 x 5 ml (conical)	Φ17 x 60		
21		88 x 2.0 ml	Φ10.8 x 44		
22		96 x 0.5 ml	Φ8 x 30		
23		76 x 4-10 ml blood collection/urine tube	Φ16 x 75-100/Φ15 x 75-102		
24		96 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100		
25		148 x 5 ml Radio-immunity tube	Φ13 x 75-100		
26		4 x 30/50 ml Falcon, Cell Culture Flasks or 4 x 30/50 ml Corning Cell Culture Flasks	-		
27		8 x 40 ml Nunc, Cell Culture Flasks (T-25 cm ² Cell Culture Flasks)	-		
28		4 x 160 ml Nunc, Cell Culture Flasks (T-75 cm ² Cell Culture Flasks)	-		
29		4 x 200 ml Falcon, Cell Culture Flasks or 4 x 200 ml Greiner Cell Culture Flasks or 4 x 200 ml Nunc, Cell Culture Flasks	-		
30	No. 8-2 Swing-Bucket Rotor	4 x 500 ml Corning conical bottle	Φ96 x 147		
31	No. 9 Swing-Bucket Rotor	6 x 50 ml (round) a)	Φ29 x 111	10 000 rpm	15 680 Xg

32	No. 10 Fixed-Angle Rotor	16 x 15 ml a)	Φ17 x 121	18 000 rpm	41 660 Xg
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