



LABORATORY HIGH SPEED REFRIGERATED CENTRIFUGE BFD1Z1 (BCBLR-314)

LABORATORY HIGH SPEED REFRIGERATED CENTRIFUGE

BFD1Z1

FLOOR STANDING HIGH SPEED LARGE CAPACITY REFRIGERATED CENTRIFUGE



SPECIFICATIONS

Model	BFD1Z1
Old Model	BCBLR-314
Swing-Bucket Rotors	
--Max. Capacity	4 x 750 ml
--Max. Speed	13 000 rpm with 4 x 30 ml rotor
--Max. RCF	23 800 Xg with 4 x 30 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	1 s - 99 h : 59 min : 59 s, 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)
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	573 lb / 260 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	16 x 10 ml	Φ16 x 86	22,000 rpm	52,050 Xg
2	No.2 Fixed-Angle Rotor	24 x 1.5/2.0 ml (with adapters for 0.2/0.5 ml tube)	Φ11 x 42	21,000 rpm	43,960 Xg
3	No.3 Fixed-Angle Rotor	8 x 50 ml (round)	Φ29 x 111	20,000 rpm	47,480 Xg
4	No.4 Fixed-Angle Rotor	6 x 100 ml	Φ38 x 123	16,000 rpm	30,910 Xg
5	No.5 Fixed-Angle Rotor	8 x 100 ml	Φ38 x 123	12,000 rpm	19,830 Xg
6	No.6 Fixed-Angle Rotor	4 x 250 ml	Φ61 x 136	14,000 rpm	28,150 Xg
7	No.7 Fixed-Angle Rotor	6 x 250 ml	Φ61 x 136	12,000 rpm	24,110 Xg
8	No.8 Fixed-Angle Rotor	6 x 500 ml	Φ74 x 170	10,000 rpm	18,590 Xg
9	No.9 Fixed-Angle Rotor	4 x 1,000 ml	Φ97 x 166	8,000 rpm	12,040 Xg
10	No.10 Swing-Bucket Rotor	4 x 50 ml	Φ29 x 111	10,000 rpm	16,200 Xg
11	No.11 Swing-Bucket Rotor	4 x 30 ml	Φ25.5 x 90	13,000 rpm	23,800 Xg
12	No.12 Swing-Bucket Rotor	4 x 4 x 5 ml	Φ14 x 54	12,000 rpm	11,900 Xg
13	No.13-1 Swing-Bucket Rotor	4 x 750 ml	Φ100 x 141	5,000 rpm	5,600 Xg
14	No.13-1 Swing-Bucket Rotor	4 x 500 ml	Φ80 x 137	5,000 rpm	5,600 Xg
15	No.13-1 Swing-Bucket Rotor	4 x 250 ml	Φ63 x 111	5,000 rpm	5,600 Xg
16	No.13-1 Swing-Bucket Rotor	4 x 175/225 ml Falcon conical bottle	Φ61 x 118/137	5,000 rpm	5,600 Xg
17	No.13-1 Swing-Bucket Rotor	12 x 100 ml	Φ38 x 114	5,000 rpm	5,600 Xg
18	No.13-1 Swing-Bucket Rotor	28 x 50 ml (conical)	Φ29 x 116	5,000 rpm	5,600 Xg
19	No.13-1 Swing-Bucket Rotor	28 x 50 ml (round)	Φ29 x 111	5,000 rpm	5,600 Xg
20	No.13-1 Swing-Bucket Rotor	28 x 30 ml	Φ25.5 x 100	5,000 rpm	5,600 Xg
21	No.13-1 Swing-Bucket Rotor	56 x 15 ml	Φ17 x 121	5,000 rpm	5,600 Xg
22	No.13-1 Swing-Bucket Rotor	72 x 10 ml	Φ16.5 x 86-110	5,000 rpm	5,600 Xg
23	No.13-1 Swing-Bucket Rotor	56 x 5 ml (conical)	Φ17 x 60	5,000 rpm	5,600 Xg
24	No.13-1 Swing-Bucket Rotor	96 x 1.5/2.0 ml	Φ11 x 42	5,000 rpm	5,600 Xg
25	No.13-1 Swing-Bucket Rotor	88 x 2.0 ml	Φ10.8 x 44	5,000 rpm	5,600 Xg
26	No.13-1 Swing-Bucket Rotor	96 x 0.5 ml	Φ8 x 30	5,000 rpm	5,600 Xg
27	No.13-1 Swing-Bucket Rotor	76 x 4-10 ml blood collection/urine tube	Φ16 x 75-100 / Φ15 x 75-102	5,000 rpm	5,600 Xg
28	No.13-1 Swing-Bucket Rotor	96 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100	5,000 rpm	5,600 Xg
29	No.13-1 Swing-Bucket Rotor	148 x 5 ml Radio-immunity tube	Φ13 x 75-100	5,000 rpm	5,600 Xg
30	No.13-1 Swing-Bucket Rotor	4 x 30/50 ml Falcon or Corning Cell Culture Flasks	-	5,000 rpm	5,600 Xg

31	No.13-1 Swing-Bucket Rotor	8 x 40 ml Nunc Cell Culture Flasks (T-25 cm ²)	-	5,000 rpm	5,600 Xg
32	No.13-1 Swing-Bucket Rotor	4 x 160 ml Nunc Cell Culture Flasks (T-75 cm ²)	-	5,000 rpm	5,600 Xg
33	No.13-1 Swing-Bucket Rotor	4 x 200 ml Falcon / Greiner / Nunc Cell Culture Flasks	-	5,000 rpm	5,600 Xg
34	No.13-2 Swing-Bucket Rotor	4 x 500 ml Corning conical bottle	Φ96 x 147	5,000 rpm	5,600 Xg



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