



LABORATORY HIGH SPEED REFRIGERATED CENTRIFUGE BFD1W1 (BCBLR-311)

LABORATORY HIGH SPEED REFRIGERATED CENTRIFUGE

BFD1W1

BENCHTOP HIGH SPEED REFRIGERATED CENTRIFUGE



SPECIFICATIONS

Model	BFD1W1
Old Model	BCBLR-311
Swing-Bucket Rotors	
--Max. Capacity	4 x 750 ml
--Max. Speed	4 500 rpm with 4 x 250 ml rotor
--Max. RCF	3 720 Xg with 4 x 250 ml rotor
Fixed-Angle Rotors	
Control System	Microprocessor
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	1 000 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	≤ 56 dB(A)
Power Supply	AC 200-240 V, 50/60 Hz
Max. Power Consumption	1.5 KW
Dimension (W x D x H)	26.8 x 23.6 x 16.5 in / 68 x 60 x 42 cm
Weight w/o Rotor	234 lb / 106 kg
Alt Name	Benchtop High Speed 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	12 x 1.5/2.0 ml (with adapters for 0.2/0.5 ml tube)	Φ11 x 42	21,000 rpm	30,810 Xg

2	No.2 Fixed-Angle Rotor	12 x 5 ml	Φ14 x 54	17,000 rpm	23,460 Xg
3	No.3-1 Fixed-Angle Rotor	24 x 1.5/2.0 ml (with adapters for 0.2/0.5 ml tube)	Φ11 x 42	16,500 rpm	26,360 Xg
4	No.3-2 Fixed-Angle Rotor	24 x 1.5/2.0 ml (with adapters for 0.2/0.5 ml tube)	Φ11 x 42	18,000 rpm	31,370 Xg
5	No.4-1 Fixed-Angle Rotor	12 x 10 ml	Φ16 x 86	15,000 rpm	20,800 Xg
6	No.4-2 Fixed-Angle Rotor	36 x 1.5/2.0 ml (with adapters for 0.2/0.5 ml tube)	Φ11 x 42	15,000 rpm	21,760 Xg
7	No.5-1 Fixed-Angle Rotor	6 x 50 ml (conical)	Φ29 x 116	13,000 rpm	18,420 Xg
8	No.5-2 Fixed-Angle Rotor	48 x 1.5/2.0 ml (with adapters for 0.2/0.5 ml tube)	Φ11 x 42	13,000 rpm	18,515 Xg
9	No.5-3 Fixed-Angle Rotor	6 x 50 ml (round)	Φ29 x 111	13,000 rpm	18,420 Xg
10	No.6-1 Fixed-Angle Rotor	4 x 100 ml	Φ38 x 123	12,000 rpm	13,350 Xg
11	No.6-2 Fixed-Angle Rotor	8 x 50 ml (conical)	Φ29 x 116	12,000 rpm	14,030 Xg
12	No.6-3 Fixed-Angle Rotor	12 x 15 ml	Φ17 x 121	12,500 rpm	17,240 Xg
13	No.6-4 Fixed-Angle Rotor	8 x 50 ml (round)	Φ29 x 111	11,000 rpm	13,350 Xg
14	No.6-5 Fixed-Angle Rotor	24 x 10 ml	Φ16 x 86	11,000 rpm	13,350 Xg
15	No.7 Swing-Bucket Rotor	2 x 3 pcs microplates (96 wells) / 2 x 3 pcs microtiter plates / 2 x 2 pcs cell culture plates / 2 x 1 pc deep well plates	Load dimensions (WxDxH) up to 128x87x60 mm	4,000 rpm	1,970 Xg
16	No.8 Swing-Bucket Rotor	4 x 250 ml	Φ63 x 111	4,500 rpm	3,720 Xg
17	No.8 Swing-Bucket Rotor Adapter	4 x 100 ml	Φ38 x 114	4,500 rpm	3,720 Xg
18	No.8 Swing-Bucket Rotor Adapter	4 x 50 ml	Φ29 x 111-116	4,500 rpm	3,720 Xg
19	No.8 Swing-Bucket Rotor Adapter	8 x 50 ml (conical)	Φ29 x 116	4,500 rpm	3,720 Xg
20	No.8 Swing-Bucket Rotor Adapter	8 x 50 ml (round)	Φ29 x 111	4,500 rpm	3,720 Xg
21	No.8 Swing-Bucket Rotor Adapter	8 x 30 ml	Φ25.5 x 100	4,500 rpm	3,720 Xg
22	No.8 Swing-Bucket Rotor Adapter	20 x 15 ml	Φ17 x 121	4,500 rpm	3,720 Xg
23	No.8 Swing-Bucket Rotor Adapter	36 x 10 ml	Φ16.5 x 86-110	4,500 rpm	3,720 Xg
24	No.8 Swing-Bucket Rotor Adapter	20 x 5 ml (conical)	Φ17 x 60	4,500 rpm	3,720 Xg
25	No.8 Swing-Bucket Rotor Adapter	32 x 1.5/2.0 ml	Φ11 x 42	4,500 rpm	3,720 Xg
26	No.8 Swing-Bucket Rotor Adapter	32 x 2.0 ml	Φ10.8 x 44	4,500 rpm	3,720 Xg
27	No.8 Swing-Bucket Rotor Adapter	40 x 0.5 ml	Φ8 x 30	4,500 rpm	3,720 Xg
28	No.8 Swing-Bucket Rotor Adapter	20 x 10 ml virus sampling tube	Φ16 x 97-101	4,500 rpm	3,720 Xg
29	No.8 Swing-Bucket Rotor Adapter	28 x 4-10 ml blood collection/urine tube	Φ16 x 75-100/Φ15 x 75-102	4,500 rpm	3,720 Xg
30	No.8 Swing-Bucket Rotor Adapter	40 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100	4,500 rpm	3,720 Xg
31	No.8 Swing-Bucket Rotor Conical Buckets	4 x 175/225 ml Falcon conical bottle	Φ61 x 118/137	4,500 rpm	3,720 Xg
32	No.8 Swing-Bucket Rotor Buckets	48 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100	4,000 rpm	2,950 Xg
33	No.8 Swing-Bucket Rotor Buckets	64 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100	4,000 rpm	2,950 Xg
34	No.9-1 Swing-Bucket Rotor	4 x 500 ml	Φ80 x 137	4,200 rpm	3,550 Xg
35	No.9-2 Swing-Bucket Rotor	20 x 50 ml (conical)	Φ29 x 116	-	-
36	No.9-2 Swing-Bucket Rotor	20 x 50 ml (round)	Φ29 x 111	-	-
37	No.9-2 Swing-Bucket Rotor	20 x 30 ml	Φ25.5 x 100	-	-
38	No.9-2 Swing-Bucket Rotor	40 x 15 ml	Φ17 x 121	-	-
39	No.9-2 Swing-Bucket Rotor	40 x 5 ml (conical)	Φ17 x 60	-	-

40	No.9-2 Swing-Bucket Rotor	100 x 1.5/2.0 ml	Φ11 x 42	-	-
41	No.9-2 Swing-Bucket Rotor	100 x 2.0 ml	Φ10.8 x 44	-	-
42	No.9-2 Swing-Bucket Rotor	80 x 4-10 ml blood collection/urine tube	Φ16 x 75-100/Φ15 x 75-102	-	-
43	No.9-2 Swing-Bucket Rotor	112 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100	-	-
44	No.9-2 Swing-Bucket Rotor	148 x 5 ml Radio-immunity tube	Φ13 x 75-100	-	-
45	No.9-2 Swing-Bucket Rotor	96 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100	-	-
46	No.9-2 Swing-Bucket Rotor	4 x 2 pcs microplates (96 wells) / 4 x 2 pcs microtiter plates / 4 x 2 pcs cell culture plates / 4 x 1 pc deep well plates	Load dimensions (WxDxH) up to 128x87x60 mm	-	-
47	No.9-2 Swing-Bucket Rotor	4 x 250 ml Corning conical bottle or 4 x 200 ml Nunc bottle	Φ60 x 164	-	-
48	No.10-1 Swing-Bucket Rotor	4 x 750 ml	Φ100 x 141	4,000 rpm	3,500 Xg
49	No.10-1 Swing-Bucket Rotor	4 x 500 ml	Φ80 x 137	-	-
50	No.10-1 Swing-Bucket Rotor	4 x 250 ml	Φ63 x 111	-	-
51	No.10-1 Swing-Bucket Rotor	4 x 175/225 ml Falcon conical bottle	Φ61 x 118/137	-	-
52	No.10-1 Swing-Bucket Rotor	12 x 100 ml	Φ38 x 114	-	-
53	No.10-1 Swing-Bucket Rotor	28 x 50 ml (conical)	Φ29 x 116	-	-
54	No.10-1 Swing-Bucket Rotor	28 x 50 ml (round)	Φ29 x 111	-	-
55	No.10-1 Swing-Bucket Rotor	20 x 30 ml	Φ25.5 x 100	-	-
56	No.10-1 Swing-Bucket Rotor	56 x 15 ml	Φ17 x 121	-	-
57	No.10-1 Swing-Bucket Rotor	56 x 10 ml	Φ16.5 x 86-110	-	-
58	No.10-1 Swing-Bucket Rotor	56 x 5 ml (conical)	Φ17 x 60	-	-
59	No.10-1 Swing-Bucket Rotor	96 x 1.5/2.0 ml	Φ11 x 42	-	-
60	No.10-1 Swing-Bucket Rotor	88 x 2.0 ml	Φ10.8 x 44	-	-
61	No.10-1 Swing-Bucket Rotor	96 x 0.5 ml	Φ8 x 30	-	-
62	No.10-1 Swing-Bucket Rotor	76 x 4-10 ml blood collection/urine tube	Φ16 x 75-100/Φ15 x 75-102	-	-
63	No.10-1 Swing-Bucket Rotor	96 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100	-	-
64	No.10-1 Swing-Bucket Rotor	148 x 5 ml Radio-immunity tube	Φ13 x 75-100	-	-
65	No.10-1 Swing-Bucket Rotor	4 x 30/50 ml Falcon Cell Culture Flasks or 4 x 30/50 ml Corning Cell Culture Flasks	-	-	-
66	No.10-1 Swing-Bucket Rotor	8 x 40 ml Nunc Cell Culture Flasks (T-25 cm ²)	-	-	-
67	No.10-1 Swing-Bucket Rotor	4 x 160 ml Nunc Cell Culture Flasks (T-75 cm ²)	-	-	-
68	No.10-1 Swing-Bucket Rotor	4 x 200 ml Falcon Cell Culture Flasks / 4 x 200 ml Greiner Cell Culture Flasks / 4 x 200 ml Nunc Cell Culture Flasks	-	-	-
69	No.10-2 Swing-Bucket Rotor	4 x 500 ml Corning conical bottle	Φ96 x 147	-	-
70	No.11 Fixed-Angle Rotor	6 x 100 ml	Φ38 x 123	10,000 rpm	12,060 Xg
71	No.12 Fixed-Angle Rotor	8 x 15 ml	Φ17 x 121	14,500 rpm	18,570 Xg
72	No.13 Fixed-Angle Rotor	12 x 50 ml (conical)	Φ29 x 116	10,000 rpm	14,310 Xg



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