



## LABORATORY HIGH SPEED REFRIGERATED CENTRIFUGE BFD1T1 (BCBLR-308)

# LABORATORY HIGH SPEED REFRIGERATED CENTRIFUGE

## BFD1T1

BENCHTOP HIGH SPEED REFRIGERATED CENTRIFUGE



## SPECIFICATIONS

|                                    |                                                  |
|------------------------------------|--------------------------------------------------|
| Model                              | BFD1T1                                           |
| Old Model                          | BCBLR-308                                        |
| Max. RCF (with Fixed-Angle rotor)  | 24 760 Xg                                        |
| Max. RCF (with Swing-Bucket rotor) | 1 500 Xg                                         |
| Max. Speed                         | 18 000 rpm                                       |
| Max. Capacity                      | 6 x 100 ml                                       |
| Refrigeration System               | CFC-Free                                         |
| Rotor Identification               | Auto-ID Instant, automatic                       |
| Running Time                       | 1 min - 99 h : 59 min, Pulse                     |
| Drive System                       | Direct, induction motor drive (Inverter Control) |
| Speed Accuracy                     | ± 10 r/min                                       |
| Programs                           | 12 user-defined                                  |
| Accel/Decel Profiles               | 40/40                                            |
| Temp. Control Range                | -20 °C to +40 °C in 1 °C increments              |
| Temp. Accuracy                     | ± 1°C                                            |
| Noise Level                        | ≤ 60 dB(A)                                       |
| Power Supply                       | AC 200-240 V, 50/60 Hz or AC 100-127 V, 50/60 Hz |
| Max. Power Consumption             | 1.2 KW                                           |
| Dimension (W x D x H)              | 24.6 x 16.5 x 14.1 in / 62.5 x 42 x 36 cm        |
| Weight w/o Rotor                   | 121 lb / 55 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                | 18,000 rpm      | 22,500 Xg   |
| 2  | No.2 Fixed-Angle Rotor   | 12 x 5 ml                                           | Φ14 x 54                | 15,000 rpm      | 18,270 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                | 16,000 rpm      | 24,760 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                | 16,000 rpm      | 24,760 Xg   |
| 5  | No.4-1 Fixed-Angle Rotor | 12 x 10 ml                                          | Φ16 x 86                | -               | -           |

|    |                          |                                                     |                                               |            |           |
|----|--------------------------|-----------------------------------------------------|-----------------------------------------------|------------|-----------|
| 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                                      | 13,000 rpm | 15,620 Xg |
| 7  | No.5-1 Fixed-Angle Rotor | 6 x 50 ml (conical)                                 | Φ29 x 116                                     | 12,000 rpm | 15,970 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                                      | 12,000 rpm | 15,970 Xg |
| 9  | No.5-3 Fixed-Angle Rotor | 6 x 50 ml (round)                                   | Φ29 x 111                                     | -          | -         |
| 10 | No.6-1 Fixed-Angle Rotor | 4 x 100 ml                                          | Φ38 x 123                                     | -          | -         |
| 11 | No.6-2 Fixed-Angle Rotor | 8 x 50 ml (conical)                                 | Φ29 x 116                                     | -          | -         |
| 12 | No.6-3 Fixed-Angle Rotor | 12 x 15 ml                                          | Φ17 x 121                                     | 11,000 rpm | 12,870 Xg |
| 13 | No.6-4 Fixed-Angle Rotor | 8 x 50 ml (round)                                   | Φ29 x 111                                     | -          | -         |
| 14 | No.6-5 Fixed-Angle Rotor | 24 x 10 ml                                          | Φ16 x 86                                      | -          | -         |
| 15 | No.7 Fixed-Angle Rotor   | 6 x 10 ml                                           | Φ16 x 86                                      | 16,000 rpm | 19,070 Xg |
| 16 | No.8-1 Fixed-Angle Rotor | 8 x 15 ml                                           | Φ17 x 121                                     | 13,000 rpm | 15,620 Xg |
| 17 | No.8-2 Fixed-Angle Rotor | 6 x 30 ml                                           | Φ25.5 x 100                                   | -          | -         |
| 18 | No.9 Fixed-Angle Rotor   | 8 x PCR-Strips                                      | -                                             | 13,000 rpm | 14,640 Xg |
| 19 | No.10 Fixed-Angle Rotor  | 6 x 100 ml                                          | Φ38 x 123                                     | 9,000 rpm  | 9,770 Xg  |
| 20 | No.11 Swing-Bucket Rotor | 2 x 2 pcs microplates (48 wells)                    | Load dimensions (WxDxH)<br>up to 128x48x60 mm | 4,000 rpm  | 1,500 Xg  |



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