



Model : T-50

### Model: T-50 (Cooling Centrifuges)

- Bench Top Refrigerated Micro Centrifuge Machine
- Heavy duty C.R.C. construction finished with powder coating
- Stainless Steel centrifugal bowl for extra protection and easy cleaning.
- Fitted with well balanced universal motor with having carbon brushes.
- 2 lines, 20 characters. LCD Display for set time, run time set and run rpm, rcf.
- Digital Timer 0-59 minutes
- Programmable Speed Regulator from 2000 to 16000 rpm in Variation of 100 rpm.
- Safety lid lock.
- P.I.D. Electronic digital temperature controller cum indicator is fitted to control the temperature of centrifuge bowl from room temp. upto -20°C and shuts off the cooling compressor within accuracy of  $\pm 1^\circ\text{C}$  in stand by mode. Means only the centrifuge bowl is cooling and centrifuge motor is in stand by mode.
- Temp. Accuracy when motor is also running is  $\pm 2^\circ\text{C}$

### Technical Parameter

▶ Max. Speed	16000 r.p.m.
▶ Max. RCF	16800xg
▶ Timer	0-59 min.
▶ Motor	Universal Motor (with carbon brushes)
▶ Temp. Range	from room temperature to Minus -20°C
▶ Power	AC 220V 50 Hz 20A
▶ Weight	55 kg. approx.
▶ Dimension	L-25" x W-20" x H-14" approx.

Supply complete with following angle rotor heads to accommodate polypropylene micro Centrifuge tubes (Eppendorf Tubes as well)

Rotor Type	Rotor Capacity	Speed on Rotor (r.p.m.)	R.C.F. on Rotor
▶ Angle Rotor	12 x 1.5/2.2 ml.	20000	16800xg
▶ Adapters to accept 1.5ml Eppendorf micro-centrifuge tubes.			

### Note:

- The speed of the machine depends upon the type of rotor being used. If rotor is heavy the speed will reduce as per above mentioned table.
- This is our general purpose leaflet. We can amend technical features according to the requirement of customer but with our prior consent on our letter head.

### Special Features

- Low sound
- Fitted with vacuum legs for better gripping on table.
- Vibration free
- C.F.C. Free refrigeration
- Kirloskar compressor

# Refrigerated Micro Centrifuge Brushless - 20000 r.p.m

High Speed (Microprocessor Based Digital)

*Laby™*

## PREMIUM MODEL BRUSHLESS



Model : T-55 BL

### Specifications

- Bench Top high speed Refrigerated Micro Centrifuge Machine
- Heavy duty C.R.C. construction finished with powder coating
- Stainless Steel centrifugal bowl for extra protection and easy cleaning.
- Fitted with well balanced brushless motor with electronic drive.
- 4 lines, 20 characters. LCD Display for set time, run time, set and run rpm, ref and rotor identification.
- Digital Timer 0-99 minutes, lid lock and fast spin option
- Dynamic brake (automatic) and imbalance detector are provided.
- Selection of 3 acceleration + 4 deceleration profile.
- Microprocessor based. Programmable Speed Regulator from 2000 to 20000 in interval of 100 rpm
- Last test parameter recall and displays automatically on LCD
- P.I.D. Electronic digital temperature controller cum indicator is fitted to control the centrifuge temp. from room temp. upto -20°C means shuts off the cooling compressor within accuracy of  $\pm 2^\circ\text{C}$ .
- Supply completed with, instruction manual, cord & plug to work on 220 volts 50Hz A.C.

### Technical Parameter

▶ Max. Speed	20000 r.p.m.
▶ Max. RCF	23000xg
▶ Timer	0-99 min.
▶ Motor	Brushless Motor
▶ Temp. Range	from room temperature- to -20°C
▶ Temp. Accuracy	$\pm 2^\circ\text{C}$ (at 20000 rpm upto 5 minute operation of centrifuge)
▶ Power	AC 220V 50 Hz 20A
▶ Weight	55 kg. approx.
▶ Dimension	L-25" x W-20" x H-14" approx.

Machine comes without rotor heads.

Optional rotors can be selected as per customer's requirements are as under:

Rotor Type	Rotor Capacity	Speed on Rotor (r.p.m.)	R.C.F. on Rotor
▶ Angle Rotor	12 x 1.5/2.2 ml.	20000	21000xg
▶ Angle Rotor	24 x 1.5/2.2 ml.	16000	16800xg
▶ Angle Rotor	8 x 15 ml.	13000	13650xg

**Note:** i) The speed of the machine depends upon the type of rotor being used. If rotor is heavy the speed will reduce as per above mentioned table.

ii) This is our general purpose leaflet. We can amend technical features according to the requirement of customer but with our prior consent on our letter head.

### Special Features

- Low sound
- Fitted with vacuum legs for better gripping on table.
- Vibration free
- C.F.C. Free refrigeration
- Kirloskar compressor



Model : T-60

## Model: T-60

## Microprocessor Based

- Bench Top Universal Refrigerated Centrifuge Machine.
  - Heavy duty C.R.C. construction finished with powder coating.
  - Stainless Steel centrifugal bowl for extra protection and easy cleaning.
  - Fitted with well balanced universal motor with having carbon brushes.
  - 2 lines, 20 characters. LCD Display for set time, run time, set and run rpm, rcf.
  - Digital Timer 0-59 minutes.
  - Digital Speed Indicator and R.C.F. Indicator.
  - Programmable Speed Regulator from 2000 to 16000 rpm in Variation of 100 rpm.
  - Safety lid lock.
  - P.I.D. Electronic digital temperature controller cum indicator is fitted to control the centrifuge temp. from room temp. upto  $-20^{\circ}\text{C}$  means shuts off the cooling compressor within accuracy of  $\pm 1^{\circ}\text{C}$  in stand by mode. Means only centrifuge bowl is cooling and centrifuge bowl is centrifuge motor.
- Temp. Accuracy when motor is also running is  $\pm 2^{\circ}\text{C}$

### Technical Parameter

▶ Max. Speed	16000 r.p.m.
▶ Max. RCF	23000xg
▶ Timer	0-59 min.
▶ Motor	Universal Motor (with carbon brushes)
▶ Temp. Range	from room temperature- to Minus $8^{\circ}\text{C}$
▶ Power	AC 220V 50 Hz 20A
▶ Weight	60 kg. approx.
▶ Dimension	L-27" x W-21" x H-15" approx.

Machine comes without rotor heads.

Optional rotors can be selected as per customer's requirements are as under :

Rotor Type	Rotor Capacity	Speed on Rotor (r.p.m.)	RCF x g
▶ Angle Rotor	12 x 1.5/2.2 ml.	16000	17120
▶ Angle Rotor	24 x 1.5/2.2 ml.	13000	13910
▶ Angle Rotor	8 x 15 ml.	7000	7490
▶ Angle Rotor	4 x 50 ml.	7000	7490

### Note:

- The speed of the machine depends upon the type of rotor being used. If rotor is heavy the speed will reduce as per above mentioned table.
- This is our general purpose leaflet. We can amend technical features according to the requirement of customer but with our prior consent on our letter head.

### Special Features

- Low sound
- Fitted with vacuum legs for better gripping on table.
- Vibration free
- C.F.C. Free refrigeration
- Kirloskar compressor



Model : T-70 BL

## PREMIUM MODEL BRUSHLESS

- Bench Top Refrigerated Centrifuge Machine.
- Heavy duty C.R.C. construction finished with powder coating
- Stainless Steel centrifugal bowl for extra protection and easy cleaning.
- Fitted with well balanced brushless motor with electronic drive.
- 4 lines, 20 characters. LCD Display for set time, run time, set and run rpm, rcf
- Digital Timer 0-99 minutes, lid lock and fast spin option and rotor Identification.
- Dynamic brake (automatic) and imbalance detector are provided.
- Selection of 3 acceleration + 4 deceleration profile.
- Microprocessor based. Programmable Speed Regulator from 2000 to 20000 in interval of 100 rpm
- Last test parameter recall and displays automatically on LCD
- P.I.D. Electronic digital temperature controller cum indicator is fitted to control the centrifuge temp. from room temp. upto -20°C.
- Supply completed with , instruction manual, cord & plug to work on 220 volts 50Hz A.C.

### Technical Parameter

▶ Max. Speed	20000 r.p.m.
▶ Max. RCF	27800xg
▶ Timer	0-99 min.
▶ Motor	Brushless Motor
▶ Temp. Range	from room temperature- to Minus 8°C
▶ Temp. Accuracy	±2°C
▶ Power	AC 220V 50 Hz 20A
▶ Weight	60 kg. approx.
▶ Dimension	L-27" x W-21" x H-15" approx.

Price of machine is without head

Optional rotors can be selected as per customer's requirements are as under

Rotor Type	Rotor Capacity	Speed on Rotor (r.p.m.)	R.C.F. On Rotor
▶ Angle Rotor	12 x 0.5 ml.	20000	27800xg
▶ Angle Rotor	12 x 1.5/2.2 ml.	20000	27800xg
▶ Angle Rotor	24 x 1.5/2.2 ml.	16000	17000xg
▶ Angle Rotor	10 x 15 ml.	13000	17000xg
▶ Angle Rotor	12 x 10 ml.	13000	17000xg
▶ Angle Rotor	6 x 50 ml.	13000	17000xg
▶ Angle Rotor	4 x 50 ml.	13000	17000xg
▶ Angle Rotor	4 x 100 ml.	13000	17000xg

### Note:

- The speed of the machine depends upon the type of rotor being used. If rotor is heavy the speed will reduce as per above mentioned table.
- This is our general purpose leaflet. We can amend technical features according to the requirement of customer but with our prior consent on our letter head.

### Special Features

- Brushless self balancing Motor without carbons
- Ultra Speed
- Low sound
- Fitted with vacuum legs for better gripping on table.
- Vibration free
- C.F.C. Free refrigeration
- Kirloskar compressor