

MULTISPIN CENTRIFUGES



TC 652



TC 663



Multispin Centrifuge - TC 650 D



TC 662



Multispin Centrifuge - TC 650 F



Multispin Centrifuge - TC 650 S



TC 657



Multispin Refrigerated Centrifuge - RC 650 F

TC 650 F: Multispin Centrifuge
TC 650 S: Multispin Centrifuge
RC 650 F: Multispin Refrigerated Centrifuge- Compact Cooling Centrifuge Table model centrifuges with wide range of rotor heads for low volume tubes.

TC 650 F, TC 650 S & RC 650 F

Features:

- Maintenance free AC Induction Motor with VFD control
- Micro processor control soft touch key pad for ease of operation
- Speed Range 500 to 6000 RPM
- Double walled lid with see through window, electrical-electronic & mechanical lock, Hydraulic lid lifting & holding
- Sturdy and safe steel housing
- Anti Vibrator for drive system and the centrifuge
- 25 Program Memory.
- (For RC 650 F) - CFC Free Refrigeration with Temperature: Programmable in the range of -20 to +40 degree C. Working Range -10 to +40 degree C
- Auto-Rotor Identification.
- Short-Spin.

The centrifuge designed for general laboratory application in Clinical Pathology labs and other application where low volume low speed applications called for.

TC 650 D

Features :

- Sturdy and safe steel body.
- The centrifuge and the drive motor assembly mounted on anti vibrators
- Double walled lid with see through window for observation and calibration
- Safety lid switch which allows the centrifuge operation only with closed and locked door
- Lid open error indication on screen
- Imbalance safety switch off with error indication on screen
- At set timer start count down when set speed attains
- Control Panel with soft touch key pad for ease of operation
- LCD display of setting and working parameters.

Programmable Parameters and LCD displays:

- Speed: 500 to 6000 RPM depending of rotor selection. Speed can also be set by programming required RCF value. Display of working speed /working RCF value
- Rotor Selection: Programmable rotor ID selection from the rotor library.
- Acceleration / Deceleration user programmable range 30 to 510 seconds
- Dynamic Brake for quick deceleration and automatic door opening.
- Timer 1 to 120 minutes with 1 minute increment and infinite mode. Display of remaining time.
- Temperature programmable in range -20 to + 40 degree C. Working chamber temperature range -10 to + 40 degree C. Pre cooling and stand by cooling facility. Display of working temperature.
- Imbalance detection and auto switch off with error message on screen.
- Programmed Lid lock release in case of power failure. Soft start / Restart safety programmed.

CHOICE OF ROTOR HEADS FOR TC 650 D/ TC 650 F/ TC 650 S/ RC 650 F CENTRIFUGES.

| Centrifuge Model | | | TC 650 D | | TC 650 F / TC 650 S / RC 650 F | |
|------------------|---------------|-------|----------|------|--------------------------------|------|
| Model | No.tube/ ml | Type | RPM | RCF | RPM | RCF |
| TC 651 | 28x5 | S/O | 4200 | 2465 | 4500 | 2830 |
| TC 652 | 16x15 | S/O | 4200 | 2900 | 4500 | 3330 |
| TC 653 | 12x15 | S/O | 4200 | 2900 | 4500 | 3330 |
| TC 654 | 8x15 | S/O | 5000 | 3774 | 5000 | 3774 |
| TC 655 | 6x50 | S/O | 4350 | 2950 | 4500 | 3155 |
| TC 656 | 4x50 | S/O | 4200 | 3050 | 4500 | 3500 |
| TC 657 | 16x15 | Angle | 5200 | 3900 | 6000 | 5190 |
| TC 658 | 12x15 | Angle | 5500 | 3950 | 6250 | 5095 |
| TC 659 | 8x15 | Angle | 5500 | 3950 | 6250 | 5095 |
| TC 660 | 6x50 | Angle | 5100 | 3750 | 6000 | 5190 |
| TC 661 | 4x50 | Angle | 5500 | 3950 | 6250 | 5095 |
| TC 662 | 24x15 | Angle | 5000 | 3400 | 6000 | 4895 |
| TC 663 | 36x5 | Angle | N.A. | N.A. | 5500 | 3720 |
| TC 666 | 8x15-PRP tube | S/O | 4300 | 3250 | 4300 | 3250 |
| TC 667 | 40x10 | Angle | N.A. | N.A. | 6000 | 4895 |

Note: TC 663 – 36x5 ml Rotor Head can accommodate 5 ml RIA Tubes or 2ml / 3ml / 4 ml vacutainer tube size 12x82 mm or 5 ml vacutainer tube of size 12x108 mm. Wide range of Reduction adaptors offered increase versatile use of the rotor heads.

Technical Data:

| Model | TC 650 D | TC 650 F | TC 650 S | RC 650 F |
|------------------------------------|-----------------|-----------------|-----------------|-------------|
| Dimensions-W x D x H (mm) | 360 x 445 x 355 | 360 x 445 x 355 | 360 x 445 x 355 | 780x560x370 |
| Weight | 20.5 Kgs | 20.5 Kgs | 20.5 Kgs | 75 Kgs |
| Max. Tube size | 50 ml | 50 ml | 50 ml | 50 ml |
| Max. Speed depending on Rotor Head | 5500 RPM | 6250 RPM | 6250 RPM | 6250 RPM |
| Max. RCF | 3950 x g | 5095x g | 5095x g | 5095x g |
| Connected Load | 0.30 kVa. | 0.30 kVa. | 0.30 kVa. | 0.30 kVa. |

* Optional: F & S Series model can be provided with Data Downloading through computer software using RS 232/485 port Interface & Automatic lid opening after completion of run.