INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
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Detailed Technical Specifications for Refrigerated Centrifuge For Research Applications:

1. Refrigerated Centrifuge
2. Relative Centrifugal Force (RCF) – maximum of $20913 \times g$/ 14 000rpm
3. Micro-processor based precise control required for parameters such as: Speed, Relative Centrifugal Force (g), Time, Temperature, Acceleration and Deceleration, Recording Rotor Usage, Automatic rotor detection with rotational speed limit, Centrifugation between -9°C and 40°Ctemperature
Alarms required: Lid open, Rotor setting condition, High temperature, Electrical abnormality, Automatic rotor imbalance detection
4. Timer setting and indication – Digital display
5. Dimensions: $700 \times 608 \times 345$ mm ($27.6 \times 23.9 \times 13.6$ in) Depth of footprint: 536mm (21.1 in)
6. Power requirements- Voltage 230V, Frequency50-60Hz, Current 12A
7. Fixed Angle Rotors required:
    a. For 30 x 1.5/5mL tubes with the lid included.
8. Fixed Angle Rotor for 50mL conical tubes with adapters for 15ml tubes
9. Swinging Bucket Rotor required with:
    a. Adapters for 36 x 15mL conical tubes and 16 x50mL conical tubes.
    b. Adapter for micro plate bucket for 4 microplates or 1 deep well plate, 4 pcs.
    c. Aerosol-tight caps for rectangular bucket 250mL, set of 2 pcs.
Supplier should quote for the relevant adaptors that are required to operate the above stated Tubes and Jars with provided Rotors.

Purchase, Warranty and Service Terms:

1. The System offered must be available on Website of Manufacturer or on a Brochure
2. Minimum 1-year warranty is required.
3. Supplier must have an active support in Mumbai. Supplier should mention how instrument service and repair time will be minimized.
4. A qualified factory-trained engineer shall conduction-site installation, commissioning and training free of cost.
5. Suppliers should not quote components which are being phased out by the manufacturer