



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai - 400076

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TECHNICAL SPECIFICATIONS :

REFRIGERATED HIGH SPEED CENTRIFUGE

1. Refrigerated High Speed Centrifuge
2. Relative Centrifugal Force (RCF) - 42,000 g or higher
3. Micro-processor based precise control required for parameters such as :-
Speed, Relative Centrifugal Force (g), Time, Temperature, Acceleration and Deceleration,
Recording Rotor Usage, Rotor identification
Alarms required :- Lid open, Imbalance, Over-speed, Rotor setting condition, High temperature,
Electrical abnormality
4. Timer setting and indication – Digital display, with HOLD function
5. Power requirements -Single phase 220/230V 50/60Hz 30A
6. Fixed Angle Rotors required :-
 - a. For 6 x 50ml Tubes to be operated at RCF 42,000 g or higher
 - b. For 24 x 1.5ml or 24 x 2ml Tubes to be operated at RCF 42,000 g or higher
7. Swinging Bucket Rotor required :-
 - a. 4 x 500ml Jars at RCF to be operated 3000g or higher
 - b. 12 x 50ml Conical tubes and 28 x 15ml Conical tubes to be operated 3000g or higher

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 from the date of installation and commissioning 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 conduct on-site installation, commissioning and training free of cost.
5. Suppliers should not quote components which are being phased out by the manufacturer.