



## **HIGH SPEED RESEARCH CENTRIFUGE**

Labtop micro controller based High speed refrigerated research centrifuge LRC – 20R useful for centrifugation of temperature sensitive materials and widely used in research centres, Bio technology, soil testing laboratories also used in medical laboratories and educational Institutes. Catalogue number LRC - 20 is a non refrigerated version of LRC - 20R and all other features are same as below.

### **Salient features**

- Table top model
- 4.3” LCD display with touch screen
- Automatic rotor identification
- In built pre cooling programme
- Hydraulic hinges for door
- Facility to Set rpm or RCF
- Maintenance free Brush less induction motor

- Variable frequency drive
- 10 acceleration and 10 deceleration programs along with additional 5 set programs as per user requirements.( Total 25 programs )
- Self diagnostic system with error messages
- Frequency controlled, vacuum encased, direct induction drive
- Automatic rotor identification with self locking rotor.

## Features

Other features like eye-balancing of samples, delayed start/stop, dual display of Run & Set parameters, data entry through key pad/touch pad, RPM/RCF mode, Rotor Life Management etc.



TECHNICAL SPECIFICATION		
Cat. No.	LRC- 20	LRC- 20R
Max. Speed (rpm)	20000	
Speed Accuracy (rpm)	± 50	
Max rcf (g)	27800	
Max. Volume (ml)	4 x 100 ml	
Temperature Range (°C)	xxx	-20.0 – 40.0
Temperature Control	xxx	± 1
Timer (minutes)	1-99	
Noise level (dB)	≤50 dB	
Input Power (W)	750	1000
Input voltage (VAC)	230 , 50 / 60 Hz	
Certifications	ISO 9001, ISO 13485, IEC and CE	
Dimensions (mm)	330 x 480 x 340	620 x 480 x 340
Packing Size (mm)	750x600x470	375x600x470
Net Weight (kg)	50	70
Gross weight (kg)	75	120

<b>ROTOR AND ACCESSORIES</b>			
<b>Cat. No.</b>	<b>FIXED ANGLE ROTOR WITH POLYPROPYLENE TUBES</b>	<b>Speed (rpm)</b>	<b>RCF (g)</b>
<b>A12-05</b>	12 x 0.5ml fixed angel rotors with micro tubes	20000	21000
<b>A48-05</b>	48 x 0.5ml fixed angle rotor with micro tubes	16000	22000
<b>A24-2</b>	24 x 2 ml fixed angle rotor with micro tubes	20000	38000
<b>A6-802</b>	6x8x0.2 ml fixed angle rotor suitable for PCR tube strip	20000	45000
<b>A10-5</b>	10 x 5ml fixed angle rotor with micro tubes	16000	18000
<b>A12-15</b>	12 x15 ml angle rotor with round bottom polypropylene tubes	18000	34000
<b>A8-50</b>	8 x 50 ml angle rotor with round bottom polypropylene tubes	16000	30000
<b>A12-50</b>	12 x50 ml angle rotor with round bottom polypropylene tubes	8000	10000
<b>A8-25</b>	8 x 25 ml angle rotor with round bottom polypropylene tubes	18000	34000
<b>A4-100</b>	4 x100 ml angle rotor with round bottom polypropylene tubes	15000	24000
<b>FIXED ANGLE ROTOR SUITABLE FOR CONICAL BOTTOM POLYPROPYLENE TUBES</b>			
<b>A12-15C</b>	12 x15 ml angle rotor with conical polypropylene tubes	18000	34000
<b>A6-50C</b>	6x50 ml angle rotor with conical polypropylene tubes	14000	15000
<b>A8-50C</b>	8 x50 ml angle rotor with conical polypropylene tubes	13000	14000
<b>SWING OUT ROTOR</b>			
<b>S8-50</b>	8 x 50 ml swing out rotor for PRP tubes	4500	3000

### **Optional**

Suitable on line UPS (for 30 mins) of 10KVA for proper functioning of machine.

### **Documentation:**

LABTOP offers DQ IQ, OQ and PQ with documentation, reports, calibration and test certificates.

### **Calibration:**

The Equipment is calibrated with the help of master calibrator, which is certified for its accuracy by Electronics Regional Testing Laboratory (ERTL West) Government of India recognized testing laboratory with traceable reference to National Physical Laboratories (NPL).

### **Service and Support**

The training undertaken by our Channel partners and engineers is of the highest standard in the industry, ensuring that our customers are supported by the highest level of technical expertise and as such can be assured that their equipment will perform to the standards required at all times.

Our wide network of Engineers/Technicians enables us to respond to any technical query, ensuring that our customers receive the maximum benefit from their equipment.

NB: Specification subject to change without prior notice



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