



Refrigerated Centrifuge

LRF-B SERIES

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Refrigerated Centrifuge

Refrigerated Centrifuge LRF-B10

LRF-B10 is a microprocessor controlled noise less large capacity refrigerated centrifuge having 12,000 rpm speed. It is equipped with digital display, brushless DC motor, auto electric lid lock system and has 3 tier protective steel covering to ensure safety.

Features

- Microprocessor controlled system
 - Brushless DC motor
 - 3 tier protective steel covering to ensure safety
 - Digital display that indicates speed, time, temperature and RCF in operation
 - Automatic electric locking system that provides protection against over speed, over temperature and imbalance
 - 10 different programs can be stored in the memory
 - 10 different acceleration and deceleration speed available
 - Quick in operation
 - Noise less and pollution free
 - Easy-to-operate
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Applications

It can be used in biochemical and clinical labs for precipitate separation, serum analysis, hematocrit, protein precipitation, RNA extraction in the field of medicine, life science, agriculture science etc.

Refrigerated Centrifuge

Specifications

Model no.	LRF-B10
Max. Speed	12000 rpm
Max. RCF	15730 x g
Max. Capacity	4 x 1000 ml
Temperature Range	-20 °C to 40 °C
Temp. Accuracy	± 1 °C
Speed Accuracy	± 20 r/min
Timer range	1-99 hr. 59 min
Noise	≤ 55 dB
Power Supply	AC 220 V/ 50Hz
Dimension	865 × 650 × 830 mm
Net Weight	215 kg

Select the suitable rotor as per your requirement from the list given below:

Rotor Name	Max. Speed (rpm)	Max. Capacity (ml)	Max. RCF (x g)
Angle rotor O1	10000	4 x 300 ml	15730
Angle rotor O2	8000	6 x 500 ml	11740
Swing rotor O1	4000	4 x 1000 ml	4060
Microplate rotor O1	4000	4 x 4 x 96 well	2840
		2 x 4 x 96 well	2490

Refrigerated Centrifuge

Refrigerated Centrifuge LRF-B20

LRF-B20 is a microprocessor controlled bench-top type micro refrigerated centrifuge having 16,000 rpm speed. It is safe, consistent and provides accurate results. With features such as auto electric lid lock system and fluorine free compressors, it is ideal for small sized samples that require low temperature separation.

Features

- Microprocessor controlled system
 - Brushless DC motor
 - 3 tier protective steel covering to ensure safety
 - Digital display that indicates speed, time, temperature and RCF in operation
 - Efficient fluorine free compressor with double cycle cooling and heating effect
 - Automatic electric lid lock system that provides protection against over speed, over temperature and imbalance
 - Rotor is connected to spindle by specialized taper sleeve
 - Safe, reliable and easy-to-operate
 - Environment friendly
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Applications

It can be used in biochemical and clinical labs for precipitate separation, serum analysis, hematocrit, protein precipitation, RNA extraction in the field of medicine, life science, agriculture science etc.

Refrigerated Centrifuge

Specifications

Model no.	LRF-B20
Max. Speed	16000 rpm
Max. RCF	19040 x g
Max. Capacity	10 x 5 ml
Temperature Range	-20°C to 40°C
Temp. Accuracy	± 1 °C
Speed Accuracy	± 20 rpm
Timer range	1-99 hr. 59 min
Noise	≤ 55 dB
Power Supply	AC 220-230 V/ 50-60 Hz/ 2 A
Dimension	480 × 480 × 275 mm
Net Weight	43 kg

Select the suitable rotor as per your requirement from the list given below:

Rotor Name	Max. Speed (rpm)	Max. Capacity (ml)	Max. RCF (x g)
Angle rotor 01	16000	40 x 0.2	19040
Angle rotor 02	16000	24 x 0.5	18480
Angle rotor 03	16000	12 x 1.5/ 2	16260
Angle rotor 04	16000	10 x 5	17880
Angle rotor 05	14000	20 x 1.5/ 2	15580
Angle rotor 06	14000	24 x 1.5/ 2	17950
PCR rotor	13000	8 x 8 PCR	11540

Refrigerated Centrifuge

Refrigerated Centrifuge LRF-B21

LRF-B21 is a microprocessor controlled high speed refrigerated centrifuge having 16000 rpm speed. It is safe, reliable, noiseless, smooth in operation and is equipped with LCD display, brushless frequency motor, auto electric locking system and fluorine free compressors.

Features

- Microprocessor controlled system
 - Brushless frequency motor
 - LCD display that indicates speed, time, temperature and RCF in operation
 - Fluorine free compressor
 - Automatic electric locking system that provides protection against over speed, over temperature and imbalance
 - 3 tier protective steel covering to ensure safety
 - 10 kinds of programs can be stored in the memory
 - User can choose among 10 different kinds of acceleration and deceleration speed
 - Rotor is connected to spindle by specialized taper sleeve
 - Wide range of rotors compatible with the instrument are available
 - Adapters can be designed as per the experimental requirement
 - Safe, reliable and easy-to-operate
 - Quick in function
 - Environment friendly
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Applications

It can be used in biochemical and clinical labs for precipitate separation, serum analysis, hematocrit, protein precipitation, RNA extraction in the field of medicine, life science, agriculture science etc.

Refrigerated Centrifuge

Specifications

Model no.	LRF-B21
Max. Speed	16000 rpm
Max. RCF	20600 x g
Max. Capacity	6 x 100 mL
Temperature Range	-20°C to 40°C
Temp. Accuracy	± 1 °C
Speed Accuracy	± 50 r/min
Timer range	0 ~ 99 mins
Noise	≤ 55 dB
Power Supply	AC 110-220 V/ 50-60 Hz/ 10 A
Dimension	380 × 608 × 570 mm
Packaged Dimension	830 x 650 x 500 mm
Net Weight	82 kg
Gross Weight	92 kg

Refrigerated Centrifuge

Select the suitable rotor as per your requirement from the list given below:

Rotor Name	Max. Speed (rpm)	Max. Capacity (ml)	Max. RCF (x g)
Angle rotor 01	16000	12 x 1.5/ 2	17940
Angle rotor 02	14000	40 x 0.5	19970
Angle rotor 03	15000	24 x 1.5/ 2	20600
Angle rotor 04	13500	30 x 1.5/ 2	19340
Angle rotor 05	15000	16 x 5	19350
Angle rotor 06	14000	12 x 7	16370
Angle rotor 07	10000	12 x 15	11840
Angle rotor 08	12000	12 x 10	14510
Angle rotor 09	12000	8 x 20	14510
Angle rotor 10	12000	6 x 30	14000
Angle rotor 11	11000	6 x 50	13480
Angle rotor 12	10000	6 x 70	10810
Angle rotor 13	10000	4 x 100	10310
Angle rotor 14	10000	6 x 100	11380
Angle rotor 15	14000	6 x 10	16460
Angle rotor 16	15000	30 x 0.5	18510
Angle rotor 17	11000	48 x 1.5/ 2	12840
Angle rotor 18	14000	4*8PCR	12070
Angle rotor 19	13000	6*8PCR	16080
Angle rotor 20	14000	8*8PCR	13390
Microplate rotor 01	4000	2 x 3 x 48 well	2300

Refrigerated Centrifuge

Refrigerated Centrifuge LRF-B22

LRF-B22 is a compact, bench top model with maximum speed of 16000rpm and possess LED display to indicate speed, temperature and time. Equipped with brushless frequency motor, imbalance and over speed sensor, it is an excellent choice for variety of separation applications in laboratories, hospitals, research center's etc.

Features

- ▣ LED display for speed, temperature and time
 - ▣ Can be pre-cooled before starting the experiment
 - ▣ Brushless frequency motor
 - ▣ Maintenance free and quiet operation
 - ▣ Possess 10 acceleration and deceleration profiles
 - ▣ Sensors depicting high speed and other deviations thereby preventing accidents
 - ▣ More than 10 rotors available as options
 - ▣ Easy-to-operate
 - ▣ Environment friendly
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Applications

It can be used in biochemical and clinical labs for precipitate separation, serum analysis, hematocrit, protein precipitation, RNA extraction in the field of medicine, life science, agriculture science etc.

Refrigerated Centrifuge

Specifications

Model no.	LRF-B22
Maximum Speed	16000 rpm
Maximum RCF	27170 ×g
Maximum Capacity	4×250 ml
Temperature Range	-20 °C to 40 °C
Temperature Accuracy	± 1 °C
Speed Accuracy	± 20 rpm
Time Range	0-99hr. 59min.
Noise	≤ 55 dB
Power Supply	AC 220V-110V/ 50-60 Hz
Dimension	650 × 665 × 400 mm
Net Weight	118 kg
Certificates	CE, ISO, Calibration reports

Refrigerated Centrifuge

Select the suitable rotor as per your requirement from the list given below:

Rotor Name	Max. Speed (rpm)	Max. Capacity (ml)	Max. RCF (x g)
Swing Rotor 01	4500	4×250 (Round Cup)	3650
biosafety cover 4500			
Swing Rotor 02	4500	4×250 (Square Cup)	3580
biosafety cover 4500			
Swing Rotor 03	4000	4×16×7ml (Swing out rotor)	2860
Swing Rotor 04	4000	4×16×5ml (Swing out rotor)	2470
Swing Rotor 05	4000	4×13×10ml (Swing out rotor)	2830
Swing Rotor 06	15000	4×5ml	19920
Swing Rotor 07	12000	4×30ml	20090
Swing Rotor 08	10000	4×50ml	16240
Microplate Rotor 01 (frame type)	4000	2×3×96well	2310
Microplate Rotor 02 (box-wing)	4000	2×3×96well	2880
Swing Rotor			
Horizontal rotor 01 (Swing type)	5000	4×1×50ml	4730
Horizontal rotor 02 (Swing type)	5000	4×1×100ml	4730
Horizontal rotor 03 (Swing type)	4000	4×2×100ml	3020
Horizontal rotor 04 (Swing type)	4000	4×2×50ml	3020
Horizontal rotor 05 (Swing type)	4000	4×4×15ml	3020
Horizontal rotor 06 (Swing type)	4000	4×6×15ml	3020
Horizontal rotor 07 (Swing type)	4000	4×4×10/7ml	2770

Refrigerated Centrifuge

Select the suitable rotor as per your requirement from the list given below:

Rotor Name	Max. Speed (rpm)	Max. Capacity (ml)	Max. RCF (x g)
Horizontal rotor 08 (Swing type)	4000	4×6×10/7ml	2770
Horizontal rotor 09 (Swing type)	4000	4×8×10/7ml	2770
Horizontal rotor 10 (Swing type)	4000	4×12×5ml vacuum tube	2480
Horizontal rotor 11 (Swing type)	4000	4×12×7ml vacuum tube	2760
Horizontal rotor 12 (Swing type)	4000	4×10×10ml vacuum tube	2880
Angle Rotor 1	16000	4×8PCR	15760
Angle Rotor 2	14000	6×8PCR	18650
Angle Rotor 3	16000	8×8PCR	17480
Angle Rotor 4	14000	12×8PCR	19970
Angle Rotor 5	15000	40×0.5ml	22920
Angle Rotor 6	16000	12×1.5ml	17940
Angle Rotor 7	16000	24×1.5ml	23440
Angle Rotor 8	16000	30×1.5ml	27170
Angle Rotor 9	16000	48×1.5ml	27170
Angle Rotor 10	16000	16×5ml	22020
Angle Rotor 11	16000	6×10ml	21500
Angle Rotor 12	15000	12×10ml	22680
Angle Rotor 13	13000	16×10ml	19490
Angle Rotor 14	13000	8×15ml	17790
Angle Rotor 15	11000	12×15ml	14330
Angle Rotor 16	5000	24×15ml	3500

Refrigerated Centrifuge

Select the suitable rotor as per your requirement from the list given below:

Rotor Name	Max. Speed (rpm)	Max. Capacity (ml)	Max. RCF (x g)
Angle Rotor 17	5000	30×15ml	3830
Angle Rotor 18	14000	6×30ml	19060
Angle Rotor 19	10000	12×30ml	12250
Angle Rotor 20	13000	6×50ml(conical)	18840
Angle Rotor 21	10000	8×50ml(conical)	12640
Angle Rotor 22	8000	10×50ml(conical)	8880
Angle Rotor 23	13000	6×50ml(round)	18730
Angle Rotor 24	10000	8×50ml(round)	12410
Angle Rotor 25	5000	12×50ml	3860
Angle Rotor 26	13000	4×85ml	18940
Angle Rotor 27	10000	6×85ml	12320
Angle Rotor 28	8000	8×85ml	8820
Angle Rotor 29	13000	4×100ml	17430
Angle Rotor 30	10000	6×100ml	11380
Angle Rotor 31	8000	8×100ml	8790
Angle Rotor 32	4000	12×100ml	2970
Angle Rotor 33	7000	4×250ml	6960
Angle Rotor 34	12000	24 capillaries	15800
Vertical rotor O1	16000	16×5ml	16450
Vertical rotor O2	14000	8×30ml	19750

Refrigerated Centrifuge

Refrigerated Centrifuge LRF-B30

LRF-B30 is a micro-refrigerated centrifuge with microprocessor control system and LCD display offering a centrifugation force up to 22920×g and 18000rpm. It includes a built-in timer and automatic RPM/RCF converter. The fixed angle rotor holds 0.5ml to 10ml tubes and has automatic lid lock function.

Features

- Microprocessor control system
 - Brushless frequency motor for quiet and maintenance free operation
 - LCD display
 - Excellent quality stainless steel frame
 - Good quality stainless steel frame
 - 3 tiers protective steel cover
 - Automated lid locking function
 - Fast cooled fluorine-free compressor
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Applications

Refrigerated Centrifuge is used for centrifugation of mainly temperature sensitive materials in the fields of microbiology, biotechnology, chemistry, research centres, medicals etc.

Refrigerated Centrifuge

Specifications

Model no.	LRF-B30
Max. Speed	18000 rpm
Max. RCF	22920× g
Max. Capacity	48×1.5 ml
Temp. Range	-20°C to 40°C
Temp. Accuracy	± 1°C
Speed Accuracy	±20 r/min
Noise	≤55 dB
Power Supply	AC 220V/110V 50Hz/60Hz
Dimension (H x W x D)	380×608×570 mm
Net Weight	82 kg
Certificates	CE, ISO, Calibration report

Select the suitable rotor as per your requirement from the list given below:

Rotor Name	Max. Speed (rpm)	Max. Capacity (ml)	Max. RCF (x g)
Angle Rotor O1	14000	12 x 8 PCR	19970
Angle Rotor O2	15000	24 x 1.5	20600
Angle Rotor O3	18000	12 x 1.5/2	22710
Angle Rotor O4	15000	40 x 0.5	22920
Angle Rotor O5	14000	48 x 1.5/2	20800
Angle Rotor O6	16000	10 x 5	17890
Angle Rotor O7	15000	6 x 10	18900