

Refrigerated Centrifuge

Refrigerated Centrifuge



Refrigerated Centrifuge LRF-A10

LRF-A10 is a microprocessor controlled floor standing refrigerated centrifuge having 5000 rpm speed. It is safe, reliable, low maintenance and easy-to-use instrument equipped with LCD display and low noise flexible axle driven rotor system. With auto electric locking system fluorine free compressors and 3 tier protective steel covering, it is ideal for blood separation, protein precipitation etc. and can be used at blood station and pharmaceutical industry for variety of applications.

Features:

- Microprocessor controlled system
- LCD display that indicates speed, time and RCF in operation
- 3 tiers protective steel covering
- Low noise flexible axle driven rotor system which ensures smooth functioning
- Brushless frequency conversion motor
- Fluorine free compressors with double cycle cooling and heating system
- Automatic electric lid lock that provides protection against over speed and temperature and imbalance
- Rotor is connected to spindle by specialized taper sleeve
- Enables easy and quick loading of samples
- Optional rotors available
- Safe, reliable and easy-to-use
- Low maintenance
- Environment friendly

Applications:

It is widely used in biochemical and clinical labs for precipitate separation and serum analysis, in pharmaceutical industry etc. and is perfect for DNA, RNA, PCR or antibody analysis.

Specifications:

Model no.	LD-LRF-A10
Noise	≤ 58 dB
Max. RCF	4730 x g
Max. Speed	5000 rpm
Net Weight	170 kg
Temp. Range	(-20) °C to 40 °C
Timer Range	0 - 99 hr. 59 min
Gross Weight	190 kg
Power Supply	AC 110 - 220 V/ 50 - 60 Hz / 15 A
Max. Capacity	4 x 500 ml
Speed Accuracy	± 50 rpm

Temp. Accuracy	± 1 °C
Rotor Identification	Automatic
Dimension (H x W x D)	685 x 540 x 820 mm
Packaged Dimension (H x W x D)	845 x 585 x 515 mm

LRF-A11 is a microprocessor controlled large capacity refrigerated centrifuge having 5000 rpm speed. It is safe, reliable and pollution free instrument equipped with digital display, brushless DC motor, automatic electric lid lock system and 3 tier protective steel covering to ensure safety of the operation. With fluorine free compressors having double cycle cooling and heating effect, it is ideal for low temperature demanding samples.

Features:

- Microprocessor controlled system
- Brushless DC motor
- Digital display which indicates speed, time and RCF in operation
- 3 tier protective steel covering
- Fluorine free compressors having double cycle cooling and heating effect
- Automatic electric lid lock system to provide protection against over speed, over temperature and imbalance
- Provision to edit running parameters
- Rotor is connected to spindle by specialized taper sleeve
- 10 kinds of program can be stored in the memory
- Users can choose among 10 kinds of accelerating and decelerating speed
- Wide range of optional rotors is available
- Adapters can be designed as per the experimental requirement
- Low maintenance
- Safe and reliable
- Environment friendly

Applications:

It is widely used in biochemical and clinical labs for precipitate separation and serum analysis, in pharmaceutical industry etc. and is perfect for DNA, RNA, PCR or antibody analysis.

Specifications:

Model no.	LD-LRF-A11
Noise	≤ 65 dB
Max. RCF	4730 x g
Max. Speed	5000 rpm
Net Weight	118 kg
Temp. Range	(-20) °C to 40 °C
Timer Range	0 - 99 hr. 59 min
Gross Weight	130 kg
Power Supply	AC 220 V / 50 Hz / 15 A
Max. Capacity	4 x 300 ml

Speed Accuracy	± 50 rpm
Temp. Accuracy	± 1 °C
Rotor Identification	Automatic
Dimension (H x W x D)	640 x 665 x 420 mm
Packaged Dimension (H x W x D)	820 x 735 x 535 mm

Refrigerated Centrifuge LRF-A12

LRF-A12 is a microprocessor controlled bench top type large capacity refrigerated centrifuge having 5000 rpm speed. It is safe, reliable, precise and easy-to-use centrifuge with 10 kinds of accelerating and decelerating speed. Equipped with LED display, brushless DC motor, fluorine free compressors, 3 tier protective steel covering and automatic electric lid lock system, it is ideal for low temperature separation of samples.

Features:

- Microprocessor controlled system
- Brushless DC motor
- LED display which indicates speed, time and RCF in operation
- 3 tier protective steel covering
- Fluorine free compressors having double cycle cooling and heating effect
- Automatic electric lid lock system to provide protection against over speed, over temperature and imbalance
- Provision to edit running parameters
- Rotor is connected to spindle by specialized taper sleeve
- 10 kinds of program can be stored in the memory
- Users can choose among 10 kinds of accelerating and decelerating speed
- Wide range of optional rotors is available
- Adapters can be designed as per the experimental requirement
- Low maintenance
- Safe and reliable
- Environment friendly

Applications:

It is widely used in biochemical and clinical labs for precipitate separation and serum analysis, in pharmaceutical industry etc. and is perfect for DNA, RNA, PCR or antibody analysis.

Specifications:

Model no.	LD-LRF-A12
Noise	≤ 55 dB
Max. RCF	4730 x g
Max. Speed	5000 rpm
Net Weight	125 kg
Temp. Range	(-20) °C to 40 °C
Timer Range	0- 99 mins
Gross Weight	138 kg
Power Supply	AC 110 - 220 V / 50 - 60 Hz / 15 A
Max. Capacity	4 x 500 ml

Speed Accuracy	± 50 rpm
Temp. Accuracy	± 1 °C
Dimension (H x W x D)	690 x 715 x 430 mm
Packaged Dimension (H x W x D)	875 x 785 x 560 mm

Refrigerated Centrifuge LD-LRF-A14 is a microprocessor controlled, compact and tabletop low speed refrigerated centrifuge, comes with 4×180 ml of capacity, 5000 rpm of maximum speed and 4420×g of maximum RCF. Features double cycle cooling and imported fluorine-free compressor with -20°C to -40°C of temperature range and 0 to 99 h 59 min of time range. Designed with high quality steel, brushless frequency motor, and digital display, offers 10 programs memory and 10 accelerating/decelerating speed. With automatic electric lid lock, 3 tiers protection steel cover, and specialized taper sleeve to connect rotor and spindle, this refrigerated centrifuge has protection against over temperature and imbalance, makes it safe and reliable to get ideal centrifugation result.

Features:

- A microprocessor controlled, compact and tabletop low speed refrigerated centrifuge
- 4×180 ml of capacity, 5000 rpm of maximum speed and 4420×g of maximum RCF
- Double cycle cooling and imported fluorine-free compressor
- -20°C to -40°C of temperature range and 0 to 99 h 59 min of time range
- High quality steel housing, low-maintenance and reliable
- Brushless frequency motor, ensures quick acceleration/deceleration
- Digital display, for easy monitoring and editing of running parameters
- 10 programs memory and 10 accelerating/decelerating speed
- Automatic electric lid lock and 3 tiers protection steel cover
- Specialized taper sleeve to connect rotor and spindle, simple and quick loading
- Protection against over temperature and imbalance
- Safe and reliable to get ideal centrifugation result

Applications:

Refrigerated Centrifuge is used to collect or separate samples of different densities such as micro-organisms, cellular debris, larger cellular organelles, proteins, yeast cells, chloroplasts, erythrocytes etc. under consistent range of temperature across chemistry, biology, biotechnology, microbiology, biochemistry, pharmaceuticals etc.

Specifications:

Model no.	LD-LRF-A14
Motor	Brushless frequency motor
Noise	≤ 65 dB
Memory	10 programs
Weight	76 kg
Display	Digital
Housing	High-quality steel
Lid lock	Automatic electric lid lock

Controller	Microprocessor
Protection	Over temperature and imbalance protection
Time range	0 to 99 h 59 min
Maximum RCF	4420 × g
Power supply	AC 220/110 V, 50/60 Hz
Cooling cycle	Double
Maximum speed	5000 rpm
Speed accuracy	± 20 r/min
RPM/RCF convert	Yes
Maximum capacity	4 × 180 ml
Temperature range	-20°C to -40°C
Dimension (W×D×H)	570×600×340 mm
Temperature accuracy	± 1°C
Acceleration/Deceleration	10 kinds

LRF-A20 is a microprocessor controlled low maintenance noiseless refrigerated centrifuge having flexible axle driven rotor system and 3 tier protective steel covering to ensure safety. It is reliable and easy-to-operate instrument with an ability to store up to 30 different kinds of programs and is equipped with LCD display, brushless frequency motor, auto electric lid lock system and fluorine free compressor with double cycle cooling and heating effect.

Features:

- Microprocessor controlled system
- Flexible axle driven rotor system
- Brushless frequency motor
- 3 tier protective steel covering to ensure safety
- 10 inches LCD display that shows all the running parameters
- 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
- Precise in temperature control
- 30 kinds of programs can be stored in the memory
- User can select among 10 different kinds of accelerating and decelerating speed
- Low maintenance
- Environment friendly

Applications:

It can be used in biochemical and clinical labs for precipitate separation, serum analysis etc. and is widely used in the pharmaceutical industry and at blood station. It is ideal for DNA, RNA, PCR or antibody analysis.

Specifications:

Model no.	LD-LRF-A20
Noise	≤ 55 dB
Max. RCF	6600 x g
Max. Speed	6000 rpm
Net Weight	260 kg
Temp. Range	(-20) °C to 40 °C
Timer Range	1 - 99 hr. 59 min
Gross Weight	300 kg
Power Supply	AC 110 - 220 V / 50 - 60 Hz / 20 A
Max. Capacity	6 x 1000 ml
Speed Accuracy	± 20 rpm

Temp. Accuracy	± 1 °C
Rotor Identification	Automatic
Dimension (H x W x D)	940 x 735 x 1260 mm
Packaged Dimension (H x W x D)	1150 x 1050 x 1405 mm

LRF-A21 is a microprocessor controlled refrigerated centrifuge having 6000 rpm speed. It is safe, reliable, low noise, maintenance free, smooth in operation instrument having 3 tier protective steel covering and flexible axle driven rotor system. With features such as automatic electric lid lock system and fluorine free compressor, it is ideal for low temperature separation of samples.

Features:

- Microprocessor controlled system
- Flexible axle driven rotor system
- Brushless frequency motor
- 3 tier protective steel covering to ensure safety
- Digital display that shows all the running parameters
- 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
- Precise in temperature control
- 10 kinds of programs can be stored in the memory
- User can select among 10 different kinds of accelerating and decelerating speed
- Wide range of rotors is available
- Adapters can be designed as per the experimental requirement
- Low maintenance
- Environment friendly

Applications:

It can be used in biochemical and clinical labs for precipitate separation, serum analysis etc. and is widely used in the pharmaceutical industry and at blood station. It is ideal for DNA, RNA, PCR or antibody analysis.

Specifications:

Model no.	LD-LRF-A21
Noise	≤ 55 dB
Max. RCF	6600 x g
Max. Speed	6000 rpm
Net Weight	220 kg
Temp. Range	(-20) °C to 40 °C
Timer Range	0 - 99 hr. 59 min
Gross Weight	260 kg
Power Supply	AC 110 - 220 V / 50 - 60 Hz / 20 A
Max. Capacity	4 x 1000 ml

Speed Accuracy	± 50 rpm
Temp. Accuracy	± 1 °C
Dimension (H x W x D)	800 x 675 x 830 mm
Packaged Dimension (H x W x D)	1500 x 790 x 960 mm

Refrigerated Centrifuge LRF-A30

Refrigerated centrifuge LRF-A30 is a microprocessor controlled large capacity centrifuge having 7000 rpm speed. It is safe, reliable, pollution free, easy-to-operate instrument which is quick in functioning and has 3 tier protective steel covering. With features such as flexible axle driven rotor system, brushless frequency motor, fluorine free compressor and auto electric lid lock system, they are ideal for laboratory and industrial usage.

Features:

- Microprocessor controlled system
- Flexible axle driven rotor system which ensures smooth functioning
- 10 inches LCD display that indicates time, temperature, speed and RCF in operation
- 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
- 3 tier protective steel covering to ensure safety
- 10 kinds of acceleration and deceleration speeds available
- Precise in temperature control
- Quick in function
- Noise less
- Environment friendly

Applications:

Refrigerated centrifuge LRF-A30 is widely used in medical laboratories, hospitals, blood banks, pharmaceuticals, educational and research institutes for precipitate separation, serum analysis etc.

Specifications:

Model no.	LD-LRF-A30
Noise	≤ 55 dB
Memory	10 programs can be stored
Max. RCF	11900 x g
Max. Speed	7000 rpm
Net Weight	380 kg
Temp. Range	(-20) °C to 40 °C
Timer Range	1 - 99 hr. 59 min
Gross Weight	420 kg
Power Supply	AC 110 - 220 V / 50 - 60 Hz / 35 A
Max. Capacity	6 x 2400 ml
Speed Accuracy	± 50 rpm

Temp. Accuracy	± 1 °C
Rotor Identification	Automatic
Dimension (H x W x D)	950 x 870 x 1300 mm
Packaged Dimension (H x W x D)	1150 x 1050 x 1405 mm

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

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.

Specifications:

Model no.	LD-LRF-B10
Noise	≤ 55 dB
Max. RCF	22650 x g
Max. Speed	12000 rpm
Net Weight	215 kg
Temp. Range	(-20) °C to 40 °C
Timer Range	1 - 99 hr. 59 min
Power Supply	AC 220 V / 50Hz
Max. Capacity	4 x 1000 ml
Speed Accuracy	± 20 rpm
Temp. Accuracy	± 1 °C
Dimension (H x W x D)	865 x 650 x 830 mm

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

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.

Specifications:

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

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
- Uses 3 kinds of centrifugal methods: speed, RCF and ω^2t , to give ideal centrifugation result
- 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

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.

Specifications:

Model no.	LD-LRF-B21
Noise	≤ 55 dB
Max. RCF	20600 x g
Max. Speed	16000 rpm
Net Weight	82 kg
Temp. Range	(-20) °C to 40 °C
Timer Range	0~ 99 mins
Gross Weight	92 kg
Power Supply	AC 110 - 220 V / 50 - 60 Hz / 10 A
Max. Capacity	6 x 100 mL

Speed Accuracy	± 50 rpm
Temp. Accuracy	± 1 °C
Dimension (H x W x D)	380 x 608 x 570 mm
Packaged Dimension (H x W x D)	830 x 650 x 500 mm

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

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.

Specifications:

Model no.	LD-LRF-B22
Noise	≤ 55 dB
Max. RCF	23440×g
Max. Speed	16000 rpm
Net Weight	118 kg
Temp. Range	(-20) °C to 40 °C
Timer Range	0 - 99hr. 59min.
Certificates	CE, ISO, Calibration reports
Power Supply	AC 220 V - 110 V / 50 - 60 Hz
Max. Capacity	4×250 ml
Speed Accuracy	± 20 rpm
Temp. Accuracy	± 1 °C
Dimension (H x W x D)	650 × 665 × 400 mm

Refrigerated Centrifuge LRF-B30

LRF-B30 is a micro-refrigerated centrifuge with microprocessor control system and LCD display offering a centrifugation force upto 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

Applications:

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

Specifications:

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

Refrigerated Centrifuge LRF-C10

LRF-C10 is a microprocessor controlled table top type high speed refrigerated centrifuge with 20000 rpm speed and flexible axle driven rotor system. It is noiseless, pollution-free instrument with highly sophisticated design delivering high precision in results. It is equipped with brushless frequency motor, fluorine free compressor, automatic electric lid lock system and helps to separate crude samples that are heat labile or demands low temperature during their experimental protocol.

Features:

- Microprocessor controlled system
- Flexible axle driven rotor system that ensures smooth functioning
- 3 tier protection steel covering to ensure safety
- Digital display that indicates all running parameters
- Automatic electric locking system that ensures protection against over speed, over temperature and imbalance
- Provision to change running parameters
- 30 different programs can be stored in the memory
- 10 different acceleration and deceleration speed available
- Rotor is connected to spindle by specialized taper sleeve
- Wide range of rotors that are compatible with the instrument are available
- Adapters can be designed as per the experimental requirement
- Safe, reliable and efficient
- Pollution free

Applications:

LRF-C10 is extensively used for protein precipitation, RNA extraction in the field of medicine, life science, agriculture science etc.

Specifications:

Model no.	LD-LRF-C10
Noise	≤ 58 dB
Max. RCF	26660 x g
Max. Speed	21000 rpm
Net Weight	82 kg
Temp. Range	(-20) °C to 40 °C
Timer Range	1 - 99 hr. 59 min
Gross Weight	92 kg
Power Supply	AC 110 - 220 V / 50 - 60 Hz / 10 A
Max. Capacity	6 x 100 ml
Speed Accuracy	± 50 rpm

Temp. Accuracy	± 1 °C
Dimension (H x W x D)	380 x 610 x 570 mm
Packaged Dimension (H x W x D)	830 x 650 x 500 mm

LRF-C20 is a floor standing high speed refrigerated centrifuge having 21000 rpm speed. It is safe, reliable, and user friendly instrument equipped with brushless frequency motor, LCD display, flexible axle driven rotor system, automatic electric lid lock system etc. and delivers highly precise results.

Features:

- Microprocessor controlled system
- Flexible axle driven rotor system that ensures smooth functioning
- 3 tier protection steel covering to ensure safety
- 10 inches LCD display that indicates all running parameters
- Automatic electric locking system that ensures protection against over speed, over temperature and imbalance
- Provision to change running parameters
- 30 different programs can be stored in the memory
- 10 different acceleration and deceleration speed available
- Rotor is connected to spindle by specialized taper sleeve
- Wide range of rotors that are compatible with the instrument are available
- Adapters can be designed as per the experimental requirement
- Safe, reliable and efficient
- Pollution free

Applications:

It is widely used in life sciences, healthcare and pharmaceutical industries for RNA extraction, protein precipitation and sample processing.

Specifications:

Model no.	LD-LRF-C20
Noise	≤ 65 dB
Max. RCF	46140 x g
Max. Speed	21000 rpm
Net Weight	235 kg
Temp. Range	(-20) °C to 40 °C
Timer Range	1 - 99 hr. 59 min
Gross Weight	285 kg
Power Supply	AC 110 - 220 V / 50 - 60 Hz / 35 A
Max. Capacity	6 x 500 ml
Speed Accuracy	± 50 rpm
Temp. Accuracy	± 1 °C

Rotor Identification	Automatic
Dimension (H x W x D)	865 x 728 x 1240 mm
Packaged Dimension (H x W x D)	1000 x 850 x 1510 mm

Refrigerated Centrifuge LRF-C21

LRF-C21 is a floor standing high speed refrigerated centrifuge having 21000 rpm speed. It is safe, reliable and user friendly instrument equipped with brushless frequency motor, LCD display, flexible axle driven rotor system, automatic electric lid lock system etc.

Features:

- Microprocessor controlled system
- Brushless frequency motor that ensures noise less functioning
- Flexible axle driven rotor system enables smooth functioning
- 3 tier protective steel covering
- LED display
- Automatic electric lid lock system to ensure safety of the operation
- 10 kinds of programs can be stored in the memory
- 10 different kinds of accelerating and decelerating speed available

Applications:

It is widely used in life sciences, healthcare and pharmaceutical industries for RNA extraction, protein precipitation and sample processing.

Specifications:

Model no.	LD-LRF-C21
Noise	≤ 58 dB
Max. RCF	30910 x g
Max. Speed	21000 rpm
Net Weight	170 kg
Temp. Range	(-20) °C to 40 °C
Timer Range	1 - 99 hr. 59 min
Power Supply	AC 220 V / 50 Hz / 20 A
Max. Capacity	4 x 800 ml
Speed Accuracy	± 20 rpm
Temp. Accuracy	± 1 °C
Dimension (H x W x D)	820 × 682 × 540 mm

LRF-C22 is a high speed refrigerated centrifuge having 21000 rpm speed. It is safe, reliable and user friendly instrument equipped with brushless frequency motor, LCD display, flexible axle driven rotor system, automatic electric lid lock system etc. and delivers highly precise results.

Features:

- Dual core processor making it high/low speed and large/small capacity compatible
- Flexible axle driven rotor system that ensures smooth functioning
- 3 tier protection steel covering to ensure safety
- 10 inches LCD display that indicates all running parameters
- Automatic electric locking system that ensures protection against over speed, over temperature and imbalance
- Enables easy and quick loading of samples
- Provision to change running parameters
- 10 different programs can be stored in the memory
- 10 different acceleration and deceleration speed available
- Rotor is connected to spindle by specialized taper sleeve
- Wide range of rotors that are compatible with the instrument are available
- Adapters can be designed as per the experimental requirement
- Safe, reliable and efficient
- Pollution free

Applications:

It is widely used in life sciences, healthcare and pharmaceutical industries for RNA extraction, protein precipitation and sample processing.

Specifications:

Model no.	LD-LRF-C22
Noise	≤ 58 dB
Max. RCF	29670 x g
Max. Speed	21000 rpm
Net Weight	125 kg
Temp. Range	(-20) °C to 40 °C
Timer Range	1 - 99 hr. 59 min
Gross Weight	150 kg
Power Supply	AC 110 -220 V / 50 - 60 Hz / 15A
Max. Capacity	4 x 500 ml
Speed Accuracy	± 50 rpm

Temp. Accuracy	± 1 °C
Dimension (H x W x D)	690 × 715 × 430 mm
Packaged Dimension (H x W x D)	875 × 785 × 560 mm

LRF-C23 is a high speed refrigerated centrifuge having 18500 rpm speed. It is safe, reliable and user friendly instrument equipped with brushless frequency motor, LCD display, flexible axle driven rotor system, automatic electric lid lock system etc. and delivers highly precise results.

Features:

- Dual core processor making it high/low speed and large/small capacity compatible
- Flexible axle driven rotor system that ensures smooth functioning
- 3 tier protection steel covering to ensure safety
- LED display that indicates all running parameters
- Automatic electric locking system that ensures protection against over speed, over temperature and imbalance
- Enables easy and quick loading of samples
- Provision to change running parameters
- 10 different programs can be stored in the memory
- 10 different acceleration and deceleration speed available
- Rotor is connected to spindle by specialized taper sleeve
- Wide range of rotors that are compatible with the instrument are available
- Adapters can be designed as per the experimental requirement
- Safe, reliable and efficient
- Pollution free

Applications:

It is widely used in life sciences, healthcare and pharmaceutical industries for RNA extraction, protein precipitation and sample processing.

Specifications:

Model no.	LD-LRF-C23
Noise	≤ 55 dB
Max. Speed	18500 rpm
Net Weight	125 kg
Temp. Range	(-20) °C to 40 °C
Timer Range	1 - 99 hr. 59 min
Certificates	CE, ISO, Calibration report
Power Supply	AC 110 -220 V / 50 - 60 Hz / 15A
Max. Capacity	4 x 300 ml
Speed Accuracy	± 20 rpm
Temp. Accuracy	± 1 °C

Dimension (H x W x D)	688 × 715 × 430 mm
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LD-LRF-E10 is a microprocessor controlled high speed refrigerated centrifuge having 15000 rpm speed. It is safe, reliable, noiseless and smooth in operation. It is equipped with LCD display, brushless frequency motor, and auto electric magnetic locking system, lid can be closed with one figure touch. 9 steps Acceleration/ deceleration allows gentle braking at low speed for better separation. 3 layered sealed rotors ensures safe centrifugation and air tightness. Fluorine free refrigerant, low carbon and environmental protection.

Features:

- Brushless frequency DC motor
- LCD display that indicates RCF/RPM, time, temperature of the operation
- Equipped with pre-cooling function, Short pre-cooling time of only 7 minutes from room temperature to 4°C and maximum rotation speed can be achieved even at 4 °C
- Acceleration/ deceleration in 9 steps, can store up to 9 programs according to experimental need
- Rotors made up of high strength aluminum alloy can be autoclavable at 121 °C
- Sound indicator at the end of running
- Rotor imbalance detection alarm
- Over speed and over temperature detection with integral diagnosis system
- Can be provided with rotors for 0.2 mL, 0.5 mL, 1.5 mL, 2 mL and 5 mL centrifuge tubes / PCR tubes
- An external condensation tank prevents condensate within the centrifuge chamber
- Rotation speed / RCF switchover, inching operation

Applications:

It can be used for the centrifugation of temperature sensitive samples, such as live cells, animals or proteins, pelleting of DNA and RNA samples, pelleting of PCR amplified nucleic acids, separation of antibody and protein precipitates, performing enzymatic tests, removing cell debris from cell homogenates, and achieving bacterial and yeast cell fractionation.

Specifications:

Model no.	LD-LRF-E10
Noise	≤ 64 dB
Weight	30 kg
Max. RCF	21,380 × g with 10 g steps
Max. Speed	15,000 rpm (200 -15,000 rpm) in 100 rpm increments
Temp. Range	-20 °C - 40 °C
Timer Range	30 s - 99 min; HOLD or continuous running
Power Supply	AC 110 - 220 V / 50 - 60 Hz
Max. Capacity	18 x 5 ml

Speed Accuracy	± 10 rpm
Dimension (W x D x H)	332 × 553 × 283 mm
Acceleration and deceleration time	25s↑ 25s↓

Refrigerated Centrifuge LD-LRF-A31 is a microprocessor controlled floor standing centrifuge unit, features 8000 rpm maximum speed, 14550 × g maximum RCF, and 8 × 2000 ml maximum capacity. It's an easy-to-operate refrigerated centrifuge with 3 tier protective steel covering. Offers flexible axle driven rotor system, brushless frequency motor, fluorine free compressor and auto electric lid lock system, making it an ideal unit for laboratory and industrial usage.

Features:

- Microprocessor controlled floor standing centrifuge unit
- Flexible axle driven rotor system, ensures smooth functioning
- LCD touch screen display that indicates time, temperature, speed and RCF in operation
- Fluorine free compressor with double cycle cooling and heating effect
- Brushless frequency motor that ensures noise less functioning
- Automatic electric lid lock system that provides protection against over speed, over temperature and imbalance
- 3 tier protective steel covering to ensure safety
- 100 kinds of programs can be stored in the memory
- 10 kinds of acceleration and deceleration speeds available

Applications:

Refrigerated centrifuge is widely used in medical laboratories, hospitals, blood banks, pharmaceuticals, educational and research institutes for precipitate separation, serum analysis etc.

Specifications:

Model no.	LD-LRF-A31
Noise	≤65 dB
Memory	100 programs can be stored
Max. RCF	14550 × g
Max. Speed	8000 rpm
Net Weight	600 kg
Temp. Range	-20°C to 40°C
Timer Range	1 - 99 hr 59 min
Power Supply	AC 220 V / 380 V / 50 to 60 Hz
Max. Capacity	8 x 2000 ml (16 x 500 ml Blood Bags)
Speed Accuracy	± 20 rpm
Temp. Accuracy	± 1 °C

Rotor Identification	Automatic
Dimension (H x W x D)	940 x 890 x 1000 mm

Refrigerated Centrifuge LD-LRF-B30 is a high-performance laboratory centrifuge designed for applications requiring efficient separation with precise temperature control. Its compact design, low-noise operation and wide range of compatible rotors make it suitable for laboratories, chemistry applications and hospital environments. The centrifuge combines high-speed operation with reliable refrigeration, user-friendly controls and multiple safety features to support routine and demanding laboratory workflows.

Features:

- Automatic rotor recognition available as an option
- Short-spin function for quick centrifugation
- Compact design with low vibration
- Storage capacity for up to 100 programs
- Brushless frequency motor for efficient and maintenance-free operation
- High-quality steel centrifuge body

Applications:

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

Specifications:

Model no.	LD-LRF-B31
Type	Refrigerated Centrifuge
Motor	Brushless frequency motor
Display	LCD touch screen
Net Weight	125 kg
Time Range	0-99 h 59 min 59 s
Maximum RCF	23,990 × g
Noise Level	≤60 dB
Power Supply	AC 220 V / 110 V, 50 Hz / 60 Hz
Maximum Speed	18,500 rpm
Speed Accuracy	±20 r/min
Maximum Capacity	4 × 300 mL
Temperature Range	-20°C to 40°C
RPM/RCF Conversion	Yes
Temperature Accuracy	±1°C

Dimensions (W × D × H)	680 × 715 × 430 mm
Acceleration/Deceleration	10 settings