

High Speed Centrifuge

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High Speed Centrifuge LHS-A10 is a microprocessor controlled light weight table top type system with an advanced design that enables easy operation. It is well equipped with digital display, auto-electric locking system and brushless DC motor.

Features:

- Microprocessor controlled system
- Digital display which enables users to monitor the present speed and remaining time
- Enables easy and fast loading of samples
- Auto electric locking system provides protection against over speed and temperature and imbalances to ensure the safety of the operation
- With brushless DC motor, it works in quiet and clean environment and therefore requires low maintenance
- Environmental friendly

Applications:

It is used to measure volume fractions of erythrocytes in blood and also for separation of different components of blood.

Specifications:

Model no.	LD-LHS-A10
Noise	≤ 55 dB
Max. RCF	15800 x g
Max. speed	12000 rpm
Net Weight	13 kg
Timer range	0- 99 h 59 mins
Gross Weight	15 kg
Power supply	AC 220 V / 50 Hz / 5 A
Max. Capacity	24 pieces capillary vessel
Speed Accuracy	± 20 r/min
Dimension (H x W x D)	355 x 270 x 205 mm

LHS-A20 is a microprocessor controlled superior quality High Speed Centrifuge having 16000 rpm speed. It is safe, noise less and easy-to-operate instrument equipped with digital display and brushless DC motor, automatic electric lid lock system etc. fluorine free compressor makes it ideal for separation of samples that demand low temperature.

Features:

- Microprocessor controlled system
- Brushless DC motor
- 3 tier protective steel covering
- Digital display that indicates speed, time 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 to ensure safety of the operation
- Rotor is connected to spindle by specialized taper sleeve
- Provision to edit running parameters
- Wide range of optional rotors is available
- Adapters can be designed as per the experimental requirement
- Quick in function
- Safe, reliable and easy-to-operate
- Pollution free

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-LHS-A20
Noise	≤ 58 dB
Max. RCF	20600 x g
Max. speed	16000 rpm
Net Weight	82 kg
Timer range	1 - 9 hr. 59 min
Power supply	AC 220 V / 50 Hz / 10 A
Max. Capacity	6 x 100 mL
Speed Accuracy	± 20 r/min
Temp. Accuracy	± 1°C
Dimension (H x W x D)	610 x 570 x 370 mm

High Speed Centrifuge LHS-A21 is a microprocessor controlled table top type centrifuge having 16000 rpm speed. It is safe, reliable and user friendly instrument equipped with digital display, automatic electric lid lock and super speed protection device.

Features:

- Stainless steel chambers
- Microprocessor controlled system
- Brushless DC motor
- Digital display that indicates the speed, time and RCF in operation
- Automatic electric lid lock system provides protection against over speed and temperature and imbalance to ensure safety of the operation
- Provision to edit running parameters
- Enables easy and quick loading of samples
- 3 tiers protection steel covering
- Maintenance free and easy-to-operate
- Safe and reliable
- Environment friendly

Applications:

It is used for sedimentation of cells and viruses, separation of sub-cellular organelles and isolation of macromolecules such as DNA, RNA, proteins or lipids.

Specifications:

Model no.	LD-LHS-A21
Noise	≤ 65 dB
Max. RCF	19040 x g
Max. speed	16000 rpm
Net Weight	13 kg
Timer range	0-99 h 59 mins
Power supply	AC 220 V/ 10 V , 50 Hz - 60 Hz
Max. Capacity	10 x 5 ml
Speed Accuracy	± 20 rpm
Dimension (H x W x D)	335 x 270 x 190 mm

High Speed Centrifuge LHS-A23 is a benchtop model which can accommodate both low speed and high speed rotors. Comes with LED display for speed and time. Brushless DC motor makes the unit maintenance free and facilitates smooth and low noise operation.

Features:

- Compact design with low noise operation
- 10 kinds of acceleration and deceleration
- LED display for speed, time parameters
- Brushless DC motor
- Requires low maintenance
- Over speed sensor for protection purpose

Applications:

High speed centrifuges are widely used in protein precipitation, RNA extraction, clinical sample processing and various other separation experiments.

Specifications:

Model no.	LD-LHS-A23
Noise	≤ 55 dB
Max. RCF	23990 ×g
Max. speed	18500 rpm
Net Weight	55 kgs (without rotor)
Timer range	0 to 99 min
Power supply	AC 220/110 V, 50/60 Hz
Max. Capacity	4×300 ml
Speed Accuracy	± 20 rpm
RPM/RCF Convert	Yes
Dimension (H x W x D)	620×450×355 mm
Acceleration /Deceleration	10 types

High Speed Centrifuge LHS-A24

High Speed Centrifuge LHS-A24 comes with 16000 rpm maximum speed, and 17940 g RCF. LED display indicates speed, time, RCF in operation. Rotor is connected to spindle by specialized taper sleeve. Made up of high quality stainless steel chamber provides safe and reliable performance.

Features:

- Brushless DC motor
- Microprocessor controlled system
- LED display
- Simple and quick loading
- 10 types of brake setting
- Electric lid lock, imbalance protection
- 3 tiers protection steel cover
- ISO, CE certified

Applications:

Used in the field of biochemistry, biological products, pharmaceutical and molecular laboratory.

Specifications:

Model no.	LD-LHS-A24
Noise	≤ 65 dB
Max. RCF	17940 g
Max. speed	16000 rpm
Net Weight	16 kg
Temp. Range	Normal
Timer range	0 to 99 min
Power supply	AC 220/110 V, 50/60 Hz
Max. Capacity	6 × 10 ml
Speed Accuracy	± 20 r/ min
RPM/RCF Convert	Yes
Dimension (H x W x D)	370 × 290 × 215 mm
Acceleration /Deceleration	10 types

High Speed Centrifuge LHS-B10 is safe and reliable microprocessor controlled instrument having 20,000 rpm speed. It is well equipped with digital display, auto-electric locking system and brushless DC motor.

Features:

- Stainless steel chamber
- 3 tier protective steel covering
- Microprocessor controlled system
- Digital display that indicates speed and time
- Auto electric locking system provides protection against over speed and temperature and imbalance to ensure safety of the operation
- With Brushless DC motor it requires low maintenance
- Enables easy and quick loading of samples
- 10 kinds of programs can be stores in the memory
- Safe and reliable
- User friendly

Applications:

High speed centrifuge LHS-B10 is widely used in the field of animal and plant molecular biology. It is suitable for separating chemical substances from cell and purifying the microorganisms and sub-cellular components etc.

Specifications:

Model no.	LD-LHS-B10
Noise	≤ 65 dB
Max. RCF	30910 x g
Max. speed	21000 rpm
Net Weight	42 kg
Timer range	1 - 99 min
Gross Weight	48 kg
Power supply	AC 110-220V/ 50-60Hz/ 10A
Max. Capacity	6 x 100 ml
Speed Accuracy	± 20 rpm
Dimension (H x W x D)	513 x 370 x 320 mm

High speed centrifuge LHS-B20 is safe, reliable, maintenance free multi-purpose desktop type centrifuge having 21000 rpm speed. It is well equipped with LCD display, dual core processor, fluorine free compressor, brushless DC motor and auto electric locking system. Also, it has double effect cooling cycle which ensures effective cooling along with 3 tier protective steel covering to ensure safety.

Features:

- LCD display to indicate all running parameters
- 3 tier protective steel covering
- Brushless DC motor makes it maintenance free
- Dual core processor enables it to be high/ low speed and large/small capacity compatible
- Fluorine free compressors to ensure environment protection
- Double cycle cooling effect to ensure effective cooling
- Automatic electric lid lock system provides protection again over speed and temperature and imbalance to ensure safety of the operation
- Enables easy and quick loading of samples
- Users are free to select 10 different accelerating and decelerating speed of their choice
- 10 kinds of program can be stored in the memory
- Rotor is connected to spindle by specialized taper sleeve
- Adapters can be designed according to the experimental requirement
- Optional rotors available
- Safe and reliable
- Easy-to-use

Applications:

It is widely used in protein precipitation, RNA extraction, Clinical sample processing.

Specifications:

Model no.	LD-LHS-B20
Noise	≤ 58 dB
Max. RCF	30910 x g
Max. speed	21000 rpm
Net Weight	125 kg
Temp. Range	(-20) °C - 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 800 ml

Speed Accuracy	± 20 rpm
Temp. Accuracy	± 1 °C
Dimension (H x W x D)	700 x 715 x 420 mm

High speed centrifuge LHS-B21

High speed centrifuge LD-LHS-B21 is a versatile device for wide range of application, this centrifuge is provided to give more throughput and greater control. It can accommodate various types rotors according to user. The brushless DC motor enables smooth operation with low maintenance. High speed centrifuge is useful in isolation of sample that require higher range of centrifugal force for their separation.

Features:

- LED display for observation of parameters such as speed, time and RCF
- Compact design low noise operation
- Various kinds of rotor available
- Automatic electric lid lock and speed imbalance protection
- High grade of steel for safe and reliable operation

Applications:

It is widely used in protein precipitation, RNA extraction, Clinical sample processing.

Specifications:

Model no.	LD-LHS-B21
Noise	≤60 dBA
Timer	0~99 min
Max RCF	30910 x g
Dimension	700 x 500 x 400 mm
Max Speed	21000 rpm
Max Volume	4 x 600 ml
Net Weight	67 kgs
Power supply	AC 220 / 110 V 50 / 60Hz
Speed Accuracy	±20 rpm

High-Speed Centrifuge LD-LHS-C10 is designed for rapid and efficient separation of biological, clinical, and chemical samples. It delivers reliable performance with precise centrifugal control, ensuring consistent sample processing for routine laboratory applications. Its advanced safety features, user-friendly operation, and efficient cooling system make it an ideal choice for research, diagnostic, pharmaceutical, and biotechnology laboratories.

Features:

- Bio-safe autoclavable rotor
- Efficient dual air-cooling system
- Pulse function for rapid spin-down
- Speed and RCF conversion
- User-programmable operating parameters
- Automatic lid locking system
- Imbalance detection for safe operation
- Automatic fault diagnosis and alarm
- Quiet and stable performance
- Easy-to-clean, maintenance-friendly design

Applications:

Suitable for separation of cells, nucleic acids, proteins, blood samples, microorganisms, and other biological specimens. Ideal for molecular biology, microbiology, clinical diagnostics, biotechnology, pharmaceutical laboratories, research institutes, and universities.

Specifications:

Model no.	LD-LHS-C10
Display	LCD Display
Lid Lock	Automatic Electronic Lock
Net Weight	30 kg
Drive Motor	Brushless DC Motor
Maximum RCF	21,380 × g
Noise Level	≤ 56 dB
Timer Range	30 sec to 99 min / Continuous
Power Supply	AC 100–240 V, 50/60 Hz
Maximum Speed	15,000 rpm
Cooling System	Dual Air Cooling
Pulse Function	Available
Rotor Material	Autoclavable Aluminium Alloy

Speed Accuracy	±20 rpm
Safety Features	Imbalance Detection, Over speed Protection, Automatic Fault Alarm
Maximum Capacity	24 × 1.5 / 2.0 mL
Power Consumption	500 W
Speed / RCF Conversion	Available
Dimensions (W × D × H)	332 × 553 × 283 mm
Acceleration / Deceleration	9 Acceleration / 10 Deceleration Levels
Acceleration / Deceleration Time	25 s