

Tabletop high capacity refrigerated centrifuge with LED screen



Model : YR120-1

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Manufacturer : Kalstein

Price : \$ 13,650.00

Description :

Centrifuge devices apply a centrifugal force to separate suspended particles from a liquid or to separate different liquid densities. Refrigerated centrifuge's uses can vary from spinning red blood cells to separation of viruses and cellular organelles. The separation process happens when the device creates a great amount of force turns the object, many times greater than gravity. That accelerates the natural separation process when a sample has particles with different densities.

Refrigerated centrifuge

The centrifuge process consists in separating particles from a solution according to their size, shape, density and viscosity. The centrifugal force is a very crucial technique in biochemistry or biotechnology. In this case, we are presenting you high capacity tabletop model that meets your research needs. This model provides the exact speed control when it comes to separating sample contents in clinical or lab researches. Despite the great quality and features, this model makes minimum noise.

This micro-refrigerated centrifuge's max RCF is 9100g and its maximum speed is 8000rpm. About the control system, this YR120-1 model runs with a microcomputer control, a DC brushless motor, with a stable operation feature, it makes minimum noise and it has a high-speed accuracy. This refrigerated centrifuge works with French Tecumseh Compressor Unit, R404a. This means that this model meets up the environmental standards. Another great feature is that this is a programmable machine, so the operation data can be automatically stored. It also has a LED or LCD display with a touching panel, which makes the operation a lot easier. Other great features about this micro-refrigerated centrifuge are:

- Self-locking device.
- Over-speed safety device.
- Over temperature safety device.
- Imbalance safety device.
- Automatic alarm device.

The real-time conversation of speed and RCF is very convenient for operation. Finally, this model has 9 acceleration and deceleration level files for you to choose.

About this model's capacity, you should know that the maximum is 250mlx4. The temperature setting is from -20 to 40 degrees Celsius. The power

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supply is AC220V 50Hz 15A and the external dimensions are (LxWxH) 460mmx710mmx420mm with a net weight of 80Kg.

Technical Performance

- Microcomputer control, DC brushless motor, stable operation, low noise and high speed accuracy.
- Touching panel, programmable operation, The operation data can be set according to demands and stored automatically.
- LED display, user-friendly interface, simple and convenient operations.
- The real-time conversation of Speed and RCF is convenient for operation.
- It has self-locking device, over-speed safety device, over-temperature safety device, imbalance safety device and automatic alarm device.
- It has 9 files of acceleration and deceleration level for your choice.

Parameters by Model

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Tabletop High-Capacity Refrigerated Centrifuge

Model:	YR120-1
Max speed:	8000r/min
Max RCF:	9100xg
Max capacity:	250mlx4
Speed accuracy:	± 30r/min
Time setting:	1min~99min
Temperature Setting:	-5 ~ +35°C
Temperature Accuracy:	±1°C
Compressor Unit:	Imported refrigeration units. Non-CFC R134a
Noise:	<65dB (A)
Power supply:	AC220V 50Hz 15A
Dimension(LxWxH):	460mmx710mmx420mm
Packing size(LxWxH):	580mmx730mmx520mm
Net weight:	80kg

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Options available for Tabletop high capacity refrigerated centrifuge with LED screen :

Rotor

- (YR120-1-3) Swing rotor 4300rpm RCF:3582 100mlx8 (+\$ 3,655.00),
- (YR120-1-4) Microplate rotor 4300rpm RCF:3582 8Å—96well (+\$ 1,715.00),
- (YR120-1-1) Swing rotor 4300rpm RCF:3582 250mlx4 (+\$ 1,605.00),
- (YR120-1-2) Swing rotor 4000rpm RCF:2810 50mlx8 (+\$ 820.00),
- (YR120-1-2-1) Swing rotor 4000rpm RCF:2810 15mlÅ—16/24/32 (+\$ 820.00),
- (YR120-1-2-2) Swing rotor 4000rpm RCF:2810 7mlx72 (+\$ 1,455.00),
- (YR120-1-2-3) Swing rotor 4000rpm RCF:2810 7mlx48 (+\$ 1,230.00).