

Tabletop low speed centrifuge



Model : YR131-1

Tabletop low speed centrifuge

Manufacturer : Kalstein

Price : \$ 3,210.00

Description :

Centrifuges are necessary in order to be able to separate a solution's particles. The separation happens when the sample is inside the machine and starts to spin. The centrifugal force, often denominated as a "fictitious force", is not directly on the object that is moving in a circular motion. It is very common to find a refrigerated centrifuge in a medical environment or in a research lab.

Speed 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 low-speed tabletop models that meet your research needs. Low-speed centrifuges are very common when it comes to routine sedimentation of heavy particles such as red blood cells until the particles are tightly packed into a pellet and supernatant goes through a decantation process.

Low speed centrifuge

The low speed centrifuge's max RCF is 4390g for the YR131-1 model and its maximum speed is 5000rpm. About the control system, these models run with a microcomputer control, an electronic lock and an AC variable-conversion motor, which delivers high torque.

These refrigerated centrifuge work with an imported compressor unit that runs with a non-CFC refrigerant. 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. The real-time conversation of speed and RCF is very convenient for operation.

Other great features about this high-speed refrigerated centrifuge are:

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

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About this model's capacity, you should know that the maximum capacity is 15mlx36 for the YR131-1 model, 15mlx32. The temperature setting is from -20 to 40 degrees Celsius. The power supply is AC220V 50Hz 10A for all of the models. The external dimensions are (LxWxH) 460mmx540mmx340mm with a net weight of 28Kg for the YR131-1.

Technical performance

- Microcomputer control, DC brushless motor, stable operation, low noise and high speed accuracy.
- Touch panel, programmable operation, operation data can be set according to demands and stored automatically.
- LED or LCD 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, lid safety device, over-speed safety device, and automatic alarm device, etc.

Parameters by Models

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LOW SPEED CENTRIFUGE	
Model :	YR131-1
Max speed:	5000r/min
Max RCF:	4390g
Max Capacity:	15mlx36
Speed Accuracy:	±30r/min
Time Setting:	1min-99min
Noise:	<65db(A)
Power Supply:	Ac220V 50 Hz 20A
Dimension (LxWxH):	460mmX540mmX340mm
Packing Size (LxWxH):	550mmX630mmX430mm
Net Weight:	28Kg

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Options available for Tabletop low speed centrifuge :

Screen

(YR131-2) LED (-\$ 190.00),
(YR131-1) LCD.

Rotor

YR131-1-7 Anle rotor 5000rpm RCF: 3500 10mlx12/50mlx8 (+\$ 1,305.00),
YR131-1-8 Swing rotor 4000rpm RCF: 3000 U-shape bucket (+\$ 1,120.00),
(YR0131-1-1) Swing rotor 4000rpm RCF:3000 7mlx72 (+\$ 1,455.00),
YR131-1-2 Swing rotor 4000rpm RCF: 3000 100mlx4 (+\$ 710.00),
YR131-1-3 Swing rotor 5000rpm RCF: 4390 50mlx4 (+\$ 710.00),
YR131-1-4 Swing rotor 5000rpm RCF: 4390 50mlx8 (+\$ 800.00),
YR131-1-5 Swing rotor 4000rpm RCF: 2810 10mlx16/24/32 (+\$ 915.00),
YR131-1-6 Microplate rotor 4000rpm RCF: 2200 8x96well (+\$ 1,715.00).