Floor High Speed Refrigerated Centrifuge

INTELLIGENT

Intelligent control system

- RCF and speed separately and switching free,automatically calculate RCF.
- Up to 99 program groups and parameters can be revised during operation without stopping.
- The electric door lock can choose whether to open the chamber door automatically after the centrifugal operation.

EXCELLENT

Excellent kernel performance

- HD large LCD display and the parameters can be revised during operation without shutdown.
- Microcomputer control ,AC frequency conversion brush-less motor with fast speed and stable operation.
- 10 gears acceleration /deceleration with linear drive.
- Two modes can be set: start timing/ arrival revolution timing.
- Energy-efficient ECO friendly refrigeration system with special thermal insulation inside the machine .

SAFE

Careful and safe

- With rotor automatic identification system .
- Over speed,over heat,unbalance protections with auto lid lock.
- Steel Structure,centrifuge chamber made of stainless steel with Environmentally friendly anti-corrosion coating treatment.

DETAIL

Intimate detail design

- An intimate tool rack is provided for accompanying tools to guard the instrument at all times.
- The front of the fuselage is designed with an operation SOP guide map, which makes it easier and more standard for laboratory personnel to use the instrument.
- It is equipped with a rotor cover that can be quickly locked for easy use.
- Ergonomic, low opening height, close the centrifuge cover with one press.
- Special noise reduction system.

* All products can be customized, designed and produced according to customer requirements.

GDR421C Floor Large Capacity High Speed Refrigerated Centrifuge

Technical Parameter

Model	GDR421C
Max Speed	23000rpm
Max RCF	35500 × g
Max Capacity	4 × 750ml
Timer	1s ~ 23h59min
Revolutions/min	±10r/min
Temp Range	−20℃ ~ 40℃
Temp Accuracy	±1.0℃
Voltage	AC 220 ± 22V 50Hz 15A
Power	1300W
Noise Level	≤ 65dB (A)
Size	820 × 660 × 520 (mm)
Net Weight	139kg
Rotor automatic recognition	Yes

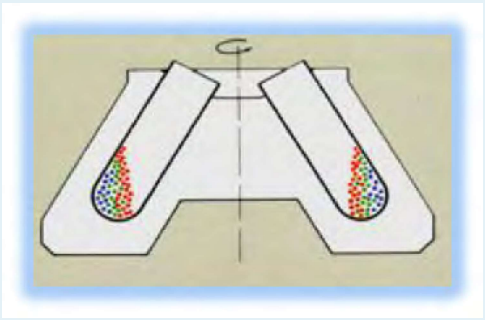
Rotor Parameters

Rotor NO.	Rotor Pictures	Rotor Capacity (ml)	Max Speed (r/min)	Max RCF (× g)
Angle Rotor				
1		12 × 1.5ml	23000rpm	35500 × g
2		16 × 1.5ml	21000rpm	30230 × g
3		12 × 5ml	18500rpm	23000 × g
4		24 × 1.5/2.0ml	18000rpm	29650 × g
5		12 × 10ml	17000rpm	29700 × g

Rotor Parameters

Angle Rotor

» When the angle rotor is running, the centrifuge container and the rotating shaft form a fixed angle, and the sample is deposited at the bottom of the centrifuge tube and the side wall near the bottom.



Rotor Parameters

Rotor NO.	Rotor Pictures	Rotor Capacity (ml)	Max Speed (r/min)	Max RCF (× g)
6		48 × 1.5/2.0ml	16000rpm	26760 × g
7		6 × 50ml/ Round bottom	16000rpm	23430 × g
8		6 × 50ml/ Conical/round bottom	14000rpm	20800 × g
9		4 × 100ml	13000rpm	18160 × g
10		12 × 15ml Conical bottom	13000rpm	19177 × g
11		6 × 100ml	12500rpm	18550 × g
12		8 × 50ml/ Conical/round bottom	12000rpm	16000 × g
13		4 × 250ml	12000rpm	21630 × g

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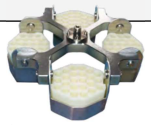
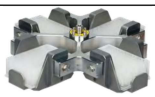
Rotor Parameters

Rotor NO.	Rotor Pictures	Swing-out Rotor Capacity (ml)	Max Speed (r/min)	Max RCF (× g)
14		4 × 500ml	8000rpm	10375 × g
		Swing-out Rotor		
15		96 × 2~7ml Blood collection tube	4000rpm	3580 × g
		4 × 750ml (with biosafety lid)	4000rpm	3580 × g
		4 × 750ml	4000rpm	3580 × g
		4 × 500ml (with biosafety lid)	4000rpm	3580 × g
		4 × 500ml	4000rpm	3580 × g
16		4 × 250ml (with biosafety lid)	4000rpm	3500 × g
		4 × 250ml	4000rpm	3500 × g
		6 × 250ml	4000rpm	3500 × g
17		Micro-plate 4 × 2 × 96 hole	4200rpm	3550 × g
		Swing-out Rotor Square bucket	4200rpm	3550 × g