



CH260R NEW CH260R Large Capacity High Speed Refrigerated Centrifuge

Centrifuge CH260R has obtained a number of patented technologies. It is the latest intelligent high-efficiency centrifuge developed by Xiangyi/Cence. Powerful system management function with different operation options for different applications greatly simplify the experiment management. 16 rotor options, which can separate and concentrate cytoplasm, virus bacteria and chemical substances. It is widely used in high-tech fields such as molecular biology, biology and biochemistry.

Product advantages









- ◆ Direct drive motor without replacing the belt.
- ◆ The intelligent vacuum friction reducing system has a simple and effective sealing structure. The sealing part does not need to be coated with vacuum silicone grease, and all sealing parts do not need special maintenance.
- ◆ New generation dynamic intelligent control system, user operate the centrifuge according to conventional centrifuge use method without additional operation.
- ◆ Excellent energy consumption performance. Save up to 65% energy consumption compared with traditional centrifuge.
- ◆ Adopt AC variable frequency motor, speed accuracy ± 10 r/ min. Unique motor bearing heat dissipation patent makes the motor bearing always work in the best state and greatly improves the service life of the motor. (patent NO: zL201922481254.0).
- ◆ The flexible driving device of centrifuge with protection, which makes the rotor spinning extremely smoothly, meanwhile , continuously detect the unbalance state of the rotor in operation. Which greatly improve safety in centrifugation process. This technology has obtained national patent (Patent NO: ZL201720768513.6).
- ◆ The centrifuge door lock with labor-saving operation and good safety has won national patent (Patent NO: ZL201420116441.3)
- ◆ 316 stainless chamber and unique copper pipe configuration technology, not only make the refrigeration efficiency extremely high, but also the overall corrosion resistance is excellent (Patent NO: ZL201720981827.4, ZL202020709292.7)
- ◆ The self-developed high-speed centrifuge bottle can not only bear high centrifugal force , but also disinfect at high temperature without deformation (121°C, 15min) , (Patent NO: ZL201720768611.X).
- ◆ Ergonomic height design ensure easy sample loading and unloading and easy cleaning.
- ◆ Convenient installation of the rotor without the help of any tools, just put rotors on Rotor shaft without screw fixing or buttons' operation.
- ◆ All the alloy aluminum rotor are forged with 7075 series alloy aluminum, hard oxidation on the surface and strong corrosion resistance.
- ◆ Improve productivity with new generation carbon fiber rotors, an advanced alternative to metal rotors, offering unequalled durability with fatigue- and corrosion-resistance for worry-free operation spin after spin.
- ◆ Glove-friendly 7-inch HD touch screen , intuitive display and easy to operate . The setting parameters and running parameters can be displayed simultaneously.
- ◆ Directly input the setting value without adjustment, more convenient compared with traditional knob operation.
- ◆ Powerful control system offering the function of 5-steps gradient separation, sample ID, startup at appointed time, the mode of profiles, free choice of programs and multiple operation language option.
- ◆ Strong safety performance, the user management function prevent programs from unexpected modification or deletion.
- ◆ Safe and reliable centrifugation, max speed up to 26000rpm, and many rotors are available to choose from.

Technical parameter

Order NO	0202253007			
Max Speed	Angle Rotor	26000r/min	Swing Rotor	4000r/min
Max RCF	Angle Rotor	80035xg	Swing Rotor	3500xg
Max Capacity	Angle Rotor	6x1000ml	Swing Rotor	4x750ml
Time Setting Range	1 min~99h59min, HOLD			
Timing mode	Start Timing after Spinning, Start Timing after Reach Setting Speed, Continuous Timing, Operation at an appointed Time			
Temperature Setting Range	-20°C~40°C			
Temperature Accuracy	±1°C			
Speed Accuracy	±10r/min			
Speed Range	100rpm- Max speed with step 100rpm (speed step can be customized, Multiple of 10)			
Rotor Identification	Yes			
Steps Centrifugation	Yes(100 programs, each programs with 5 steps, More programs can be saved by adding external memory card)			
Pre-cooling function	Yes			
Compressor Unit	Environment-friendly refrigerant (R404a)			
Protection Function	Imbalance Protection,Rotor-identification,Door Lid Anti Pinch Protection,Motor Overheating Protection,Over-Speed Protection,Over-temperature Protection			
Motor	AC Variable Frequency Motor			
Power Supply	AC 220±22V 50Hz			
Power Consumption	1.7kW			
Noise	≤65dB (A)			
Dimension (WxDxH)	730×930×960 (mm)			
Packing Dimension (WxDxH)	880×1120×1180 (mm)			
Net Weight	260kg			

Rotor parameters

<p>No:1</p>  <p>Rotor Type: Angle Rotor Max Capacity: 18x10ml Max Speed: 23000r/min Max RCF: 60460xg Order NO: 0301801500 Adapter: 1.5ml, 5ml, 7ml</p>	<p>No:2</p>  <p>Rotor Type: Angle Rotor Max Capacity: 48x1.5ml Max Speed: 23000r/min Max RCF: 57134xg Order NO: 0301812800 Adapter: 0.2ml, 0.5ml</p>
<p>No:3</p>  <p>Rotor Type: Angle Rotor (Titanium Alloy) Max Capacity: 8x50ml Max Speed: 26000r/min Max RCF: 80053xg Order NO: 0301800910 Adapter: 1.5ml, 5ml, 10ml, 15ml, 20ml, 25ml, 30ml</p>	<p>No:4</p>  <p>Rotor Type: Angle Rotor Max Capacity: 8x50ml Max Speed: 24000r/min Max RCF: 68196xg Order NO: 0301800820 Adapter: 1.5ml, 5ml, 10ml, 15ml, 20ml, 25ml, 30ml</p>
<p>No:5</p>  <p>Rotor Type: Angle Rotor Max Capacity: 6x250ml Max Speed: 15000r/min Max RCF: 34519xg Order NO: 0301801200 Adapter: 1.5ml, 5ml, 10ml, 15ml (conical) , 50ml (conical/round) , 100ml</p>	<p>No:6</p>  <p>Rotor Type: Angle Rotor Max Capacity: 6x500ml Max Speed: 10000r/min Max RCF: 17700xg Order NO: 0301801300 Adapter: 1.5ml, 5ml, 10ml, 15ml (conical) , 30ml, 50ml (conical/round) , 100ml, 250ml</p>

<p>No:7</p>  <p>Rotor Type: Angle Rotor (Carbon Fibre) Max Capacity: 4×1000ml Max Speed: 10500r/min Max RCF: 20740xg Order NO: 0301802700 Adapter: 50ml (conical/round) 、 250ml、 500ml</p>	<p>No:8</p>  <p>Rotor Type: Angle Rotor (Carbon Fibre) Max Capacity: 8x50ml Max Speed: 23000r/min Max RCF: 62690xg Order NO: 0301802400 Adapter: 1.5ml、 5ml、 10ml、 15ml、 20ml、 25ml、 30ml</p>
<p>No:9</p>  <p>Rotor Type: Angle Rotor Max Capacity: 10×100ml Max Speed: 18000r/min Max RCF: 47898xg Order NO: 0301809600 Adapter: 5ml、 10ml、 25ml、 15ml(conical/round)、 50ml(conical/round)</p>	<p>No:10</p>  <p>Rotor Type: Swing Rotor Max Capacity: 6×50ml with windshield Max Speed: 13000r/min Max RCF: 26500xg Order NO: 0302851700</p>
<p>No:11</p>  <p>Rotor Type: Angle Rotor Max Capacity: 12×50ml(conical) Max Speed: 14000r/min Max RCF: 30070xg Order NO: 0301801700 Adapter: 15ml (conical)</p>	<p>No:14</p>  <p>Rotor Type: Angle Rotor (Carbon Fibre) Max Capacity: 6×250ml Max Speed: 16000r/min Max RCF: 39275xg Order NO: 0301802300 Adapter: 1.5ml、 10ml、 15ml (conical) 、 50ml (conical/round) 、 100ml</p>
<p>No:15</p>  <p>Rotor Type: Angle Rotor (Carbon Fibre) Max Capacity: 6×500ml Max Speed: 12000r/min Max RCF: 25488xg Order NO: 0301802600 Adapter: 1.5ml、 5ml、 10ml、 15ml (conical) 、 30ml、 50ml (conical/round) 、 100ml、 250ml</p>	<p>No:16</p>  <p>Rotor Type: Angle Rotor (Carbon Fibre) Max Capacity: 6×1000ml Max Speed: 9000r/min Max RCF: 18320xg Order NO: 0301891227 Adapter: 1.5ml、 5ml、 10ml、 15ml (conical) 、 30ml、 50ml (conical/round) 、 100ml、 250ml</p>

Rotor	Bucket	Adaptor	Capacity/Order NO	Adaptor	Capacity/Order NO
<p>No:12</p>  <p>Rotor Type: Swing Rotor Max Speed: 4000 r/min Max RCF: 3500xg Max Capacity: 4x750ml Order NO: 0302891022 (Bucket not included)</p>	 <p>Bucket Order NO: 0303891025</p>		<p>4x1x500ml (conical/flat) 0304891035 (conical) 0304891036 (flat)</p>		<p>4x1x250ml (conical/flat) 0304891562 (conical) 0304891039 (flat)</p>
	 <p>Aerosol-tight bucket Order NO: 0303891006</p>		<p>4x4x100ml 0304891006</p>		<p>4x5x50ml (Self-standing tube) 0304891024</p>
			<p>4x7x50ml(conical/round) 0304891003 (conical) 0304891004 (round)</p>		<p>4x10x20ml 0304891163</p>
			<p>4x15x15ml (conical) 0304891005</p>		<p>4x19x10ml (Self-standing tube) 0304891732</p>
			<p>4x21x10ml 0304891730</p>		<p>4x27x5/7ml Vaccum blood collection tube 0304891728</p>
			<p>4x37x5ml (RIA tube) 0304891166</p>		<p>4x56x1.5ml 0304891025</p>

Rotor	Bucket	Adaptor	Capacity/Order NO	Adaptor	Capacity/Order NO	
<p>No:13</p>  <p>Rotor Type: Swing Rotor Max Speed: 4000r/min Max RCF: 3345xg Max Capacity: 4x500ml Order NO: 0302850100 (Bucket not included)</p>	 Round Bucket Order NO: 0303891022		4x1x250ml 0304891142		4x2x100ml 0304891009	
		 Aerosol-tight round bucket Order NO: 0303891077		4x4x50ml(conical/round) 0304891008		4x7x20ml 0304851485
				4x9x15ml(conical/round) 0304891083		4x11x15ml (conical) (Cap≤21.5mm) 0304891508
				4x14x10ml 0304891705		4x19x5/7ml Vaccum blood collection tube 0304851450
				4x36x1.5ml 0304891677	/	
	 Rectangular Bucket Order NO: 0303851421		4x1x250ml 0304891041		4x3x100ml 0304891744	
		 Rectangular bucket with sealing cover Order NO: 0303891016		4x6x50ml(conical/round) 0304891014		4x12x15ml(conical/round) 0304891582 (conical) 0304891779 (round)
				4x20x10ml 0304891077		4x31x5/7ml Vaccum blood collection tube 0304891782
				4x56x1.5ml 0304891603	/	
	 Microplate bucket Order NO: 0303891110	4x1x96Deep-well plate		4x2x96Microplate		