



## CH160R NEW CH160R Large Capacity High Speed Refrigerated Centrifuge

CH160R centrifuge is extremely versatile and powerful. Swing rotor 4x1000ml (rectangular bucket), it can spin up to 40x50ml conical tube, 96x15ml conical tube and 148x10ml, 196x5/7ml vacuum blood collection tube, 20 pcs MTP in one cycle. So that a rotor can do multiple experiments without replacing the bucket. In addition, angle rotor 6x250ml and 8x50ml can realize high-speed centrifugation. It's a universal centrifuge for different lab application.



### Product advantages

#### ◆High-throughput Sample Processing

Swing rotor: Multiple rotor and adapters available, max capacity 4x1000ml, it can spin up to 36x50ml conical tube or 196x5/7ml vacuum blood collection tube in once cycle.

Angle Rotor : 9 rotor options, such as 6 x250ml, 8 x50ml, 48 x1.5ml. Max RCF up to 27650xg, suitable for 0.2-250ml high-speed centrifugation of molecular biology.

#### ◆Energy Saving ,Frequency conversion Technology

Frequency conversion dual channel control, refrigeration through frequency regulation, energy saving and high efficiency. According to the time interval of the experiment, the sleep time of the instrument can be set, which can ensure good refrigeration effect as well as save energy and increase the service life of the instrument.

#### ◆Built-in safety

Featuring multiple protection, such as automatic rotor identification, imbalance protection, over-speed protection, over-temperature protection, motor overheating protection, door lid protection and so on.

#### ◆Reliable Material

The rotor adopts 7075-T6 aviation grade alloy aluminum and titanium alloy, hard oxidation, corrosion resistance. From raw material to finished products, each process is strictly controlled. The flaw detection report, tensile test report, chemical composition test report and processing test report can be provided.

#### ◆Extensible

The system adopts unified and standard Ethernet communication interface and provides key parameter point table, to facilitate system expansion and bring data into system monitoring.

#### ◆Programmable

Save up to 100 user-defined programs. Users can name each program to distinguish it. Each program can be divided into 5 steps (set speed, time, temperature), to meet the diversified experimental needs.

#### ◆ACC/DEC Rates

Featuring 10 acceleration and 11 deceleration rates, to prevent the sample from second emulsion or turbid, and achieve best centrifugal effect.

#### ◆Main interface function

In manual mode, the centrifuge parameters can be set quickly, and the G-force and speed can be switched by just touch the key.

#### ◆Powerful System Setting Function

Powerful control system allows easy data capture, storage, and processing.









## Technical parameter


Order NO	0202240000			
Max Speed	Angle Rotor	16000r/min	Swing Rotor	5700r/min
Max RCF	Angle Rotor	27648xg	Swing Rotor	5103xg
Max Capacity	Angle Rotor	6x250ml	Swing Rotor	4x1000ml
Time Setting Range	two mode 1min-99h59min, 1s-99min59s optional, default mode 1min-99h59min			
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, Setp 1°C ajustable			
Temperature Accuracy	±2°C			
Speed Accuracy	±10r/min			
Rotor Identification	Yes			
Imbalance Protection	Yes			
Pre-cooling function	Yes			
Computer Control	RS485 or RS232			
Protection Function	Imbalance Protection, Rotor-identification, Door Lid Anti Pinch Protection, Motor Overheating Protection, Over-Speed Protection, Over-temperature Protection			
Automatic Door Lid Opening	Yes			
Power Supply	AC220±22V 50Hz			
Power Consumption	3.5kW			
Noise	≤65dB			
Dimension (WxDxH)	590×730×850 (mm)			
Packing Dimension (WxDxH)	750×880×1200 (mm)			
Net Weight	180kg			



## Rotor parameters

<p><b>No:1</b></p>  <p>Rotor Type: Angle Rotor Max Capacity: 48x1.5ml Max Speed: 16000r/min Max RCF: 27648xg Order NO: 0301812820 Adapter: 0.2ml, 0.5ml</p>	<p><b>No:2</b></p>  <p>Rotor Type: Angle Rotor Max Capacity: 12x15ml (conical) Max Speed: 14000r/min Max RCF: 21913xg Order NO: 0301891242 Adapter: 5ml</p>
<p><b>No:3</b></p>  <p>Rotor Type: Angle Rotor Max Capacity: 20x10ml Max Speed: 14000r/min Max RCF: 21480xg Order NO: 0301891195 Adapter: 5ml</p>	<p><b>No:4</b></p>  <p>Rotor Type: Angle Rotor Max Capacity: 6x250ml Max Speed: 10000r/min Max RCF: 15604xg Order NO: 0301802260 Adapter: 1.5ml, 10ml, 15ml (conical) , 50ml (conical/round) , 100ml</p>
<p><b>No:8</b></p>  <p>Rotor Type: Angle Rotor Max Capacity: 4x250ml Max Speed: 11000r/min Max RCF: 18174xg Order NO: 0301891247 Adapter: 1.5ml, 10ml, 15ml (conical) , 50ml (conical/round) , 100ml</p>	<p><b>No:9</b></p>  <p>Rotor Type: Angle Rotor Max Capacity: 6x100ml Max Speed: 14000r/min Max RCF: 23450xg Order NO: 0301891245 Adapter: 1.5ml, 10ml, 15ml (conical) , 50ml (conical/round)</p>

<p><b>No:10</b></p>  <p>Rotor Type: Angle Rotor Max Capacity: 12×30ml Max Speed: 14000r/min Max RCF: 24100xg Order NO: 0301891197 Adapter: 15ml(conical)</p>	<p><b>No:11</b></p>  <p>Rotor Type: Angle Rotor Max Capacity: 8x50ml Max Speed: 15500r/min Max RCF: 26050xg Order NO: 0301891243 Adapter: 1.5ml, 5ml, 10ml, 15ml, 20ml, 25ml, 30ml</p>
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<p><b>No:12</b></p>  <p>Rotor Type: Angle Rotor Max Capacity: 8x50ml (conical) 50ml round bottom adapter as gift Max Speed: 14000r/min Max RCF: 22790xg Order NO: 0301891199 Adapter: 1.5ml, 5ml, 10ml, 15ml, 20ml, 25ml, 30ml</p>	<p>/</p>
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Rotor	Bucket	Adaptor	Capacity/Order NO	Adaptor	Capacity/Order NO
<p><b>No:6</b></p>  <p>Rotor Type: Swing Rotor Max Speed: 4200r/min Max RCF: 4122xg Max Capacity: 4×1000ml Order NO: 0302880880 (Bucket not included)</p>	 <p>Rectangular Bucket Max Capacity: 4×1000ml Order NO: 0303880882</p>		<p>4x7x100ml 0304891198</p>		<p>4x10x50ml (conical) 0304891020</p>
			<p>4x24x15ml (conical) 0304891540</p>		<p>4x37x10ml 0304891748</p>
			<p>4x49x5/7ml 0304891747</p>		<p>4x2x96 Deep-well plate 4x6x96 Microplate Height &lt; 90mm 0304891569</p>

<p><b>No:7</b></p>  <p>Rotor Type: Swing Rotor Max Speed: 5700r/min Max RCF: 5103xg Max Capacity: 2×5Microplate Order NO: 0302891132</p>	 <p>Bucket Order NO: 0303891151</p>	<p>/</p>
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Rotor	Bucket	Adaptor	Capacity/Order NO	Adaptor	Capacity/Order NO
<p>No:5</p>  <p>Rotor Type: Swing Rotor Max Speed: 4200 r/min Max RCF: 3860xg Max Capacity: 4x750ml Order NO: 0302851330 (Bucket not included)</p>	 <p>Round Bucket Order NO: 0303891025</p>		4x1x500ml (conical/flat) 0304891035 (conical) 0304891036 (flat)		4x1x250ml (conical/flat) 0304891562 (conical) 0304891039 (flat)
			4x4x100ml 0304891006		4x5x50ml (Self-standing tube) 0304891024
			4x7x50ml(conical/round) 0304891003 (conical) 0304891004 (round)		4x10x20ml 0304891163
			4x15x15ml (conical) 0304891005		4x19x10ml (Self-standing tube) 0304891732
			4x21x10ml 0304891730		4x27x5/7ml Vaccum blood collection tube 0304891728
			4x37x5ml (RIA tube) 0304891166		4x56x1.5ml 0304891025
	 <p>Rectangular Bucket Order NO: 0303891002</p>		4x9x50ml(conical/round) 0304891015 (conical) 0304891016 (round)		4x19x15ml(conical/round) 0304891012 (conical) 0304891704 (round)
			4x30x10ml 0304891709		4x38x5/7ml Vaccum blood collection tube 0304891017
	 <p>Microplate bucket Order NO: 0303891147</p>	<p>4x2x96 Deep-well plate      4x4x96 Microplate Plate height in total≤67mm</p>			