

5 H2050R-1 High Speed Refrigerated Centrifuge

H2050R-1 is a multifunctional centrifuge. 11 types of rotors are available for diversified centrifugal applications. It combines the technologies of large-capacity (4x 750ml) with high speed up to 20500 rpm, suitable for the applications in the field of Immunology, bio-pharmaceutical, laboratory analysis, scientific research in universities and colleges.



Features





- ✧ 11 types of rotors are available, offering large capacity and high speed centrifugal applications.
- ✧ Microprocessor control, direct drive by AC inverter and brushless motor with high torque for long service life.
- ✧ Touch panel, large LCD, and programmable operation.

- ✧ 9 Acc profiles and 10 Dec profiles(0 is for free stop), 3-stage vibration damping, achieving ideal centrifugal result.
- ✧ Stainless steel chamber, triple-protective functions against imbalance, over-temperature and over-speed running for safe operation.
- ✧ Automatic rotor recognition, and speed-limit control to ensure safety.
- ✧ The operation temperature can be kept at -4°C even when the rotors running at the max. speed due to the high efficient compressor with environment-friendly refrigeration system.

Technical Parameters

Model	H2050R-1 LCD	Temperature Control	±1°C
Order No.	0202118000	Compressor Set	Advanced and environment-friendly compressor set with R404a
Max.speed	20500rpm	Noise	≤65dB(A)
Max.RCF	29200xg	Power supply	AC220V +/-22V, 50Hz 16A
Max, capacity	4x750ml	Power Consumption	1500W
Speed accuracy	±10rpm	Dimensions(Wx DxH)	550x650x840(mm)
Time range	1min~99min59s or continuous run	Packing Size (WxDxH)	756x856x1320(mm)
Temperature range	-20°C~40°C	Net weight	110Kg

Rotor optional









	Capacity: 12x1.5ml Speed: 20500rpm RCF: 29200xg	Diameter: Φ11.2mm Depth: 38mm Order No. 0301805000		Capacity: 24x1.5/2.2ml Speed: 16500rpm RCF: 26050xg Diameter: Φ11.2mm Depth: 36mm Order No. 0301805500
				
Capacity	0.2ml		0.5ml	
Place	12/24		12/24	
Diameter	Φ6.6mm		Φ8mm	
Depth	20mm		27.5mm	
Order No.	0304805005		0304805004	



	Capacity: 12x5ml Speed: 16500rpm RCF: 19175xg	Diameter: Φ14mm Depth: 49mm Order No. 0301806100
		
Capacity	0.5ml	1.5ml
Place	12	12
Diameter	Φ8mm	Φ11.2mm
Depth	27.5mm	37mm
Order No.	0304806103	0304806104








	Capacity: 12x10 ml Speed: 1500 0rpm RCF: 23120xg	Diameter: Φ16.5mm Depth: 76mm Order No. 0301805300		Capacity: 8x15ml conical Speed: 15000rpm RCF: 20625xg	Diameter: Φ17mm Depth: 102mm Order No. 0301806200
					
Capacity	1.5ml	5ml	5ml		

Place	12	12	8
Diameter	Φ11.2mm	Φ14mm	Φ14mm
Depth	38mm	49mm	49mm
Order No.	030480000 6	030489111 1	0304891115

No.3 Angle Rotor 	Capacity: 6x30ml Speed: 1500 0rpm RCF: 23120xg	Diameter: Φ26mm Depth: 87.5mm Order No. 0301805200	No.4 Angle Rotor 	Capacity: 6x50ml conical Speed: 13000rpm RCF: 17940xg	Diameter: Φ29.5mm Depth: 103mm Order No. 0301891143
	Adapter				
Capacity	5ml	10ml		15ml conical	
Place	6	6		6	
Diameter	Φ14mm	Φ16.5mm		Φ16.8mm	
Depth	49mm	76mm		104mm	
Order No.	030480520 6	030489114 7		0304891143	

No.4 Angle rotor 							
	Capacity: 6x50ml	Diameter: Φ29.5mm					
	Speed: 13000rpm	Depth: 96.5mm					
	RCF: 17940xg	Order No. 0301805400					
Adapter							
Capacity	1.5ml	5ml	10ml	15ml	20ml	25ml	30ml
Place	6	6	6	6	6	6	6
Diameter	Φ11.2mm	Φ14mm	16.5mm	16.5mm	21.5mm	22.5mm	26mm
Depth	36mm	49mm	76mm	100.5mm	90mm	95mm	86mm
Order No.	030480541 0	030489 1086	030489 1085	030489 1144	030489 5406	030480 5412	030489 1084









No.8 Angle rotor 	Capacity: 6x85ml Speed: 12000rpm RCF: 15805xg Diameter: Φ38.5mm Depth: 98mm Order No. 0301805600	No.9 Angle rotor 	Capacity: 6x100ml Speed: 10000rpm RCF: 11960xg Diameter: Φ38.5mm Depth: 109mm Order No. 0301806000







Adapter							
Capacity	5ml	10ml	15ml	15ml conical	25ml	50ml	50ml conical
Place	18	6	6	6	6	6	6
Diameter	Φ14mm	Φ16.5mm	Φ16.5mm	Φ17mm	Φ22.5mm	Φ29.5	Φ29.5mm
Depth	49mm	76mm	101mm	103.5mm	95mm	103mm	103.5mm
Order No.	0304891078	0304891080	0304891056	0304891054	0304895608	0304891064	0304891070







Rotor Optional

<p>No.5 Swing Rotor</p>  <p>Order No: 0302851300</p> <p>Max.Speed: 4000rpm</p> <p>RCF: 3500xg</p> <p>Capacity: 4x750ml</p>	<p>Round Bucket</p>  <p>Order No: 0303891025</p> <p>Capacity: 4x750ml</p>	Adapter	Capacity	Place	Diameter	Depth	Order No
			500ml (conical)	4	Φ87.8	53mm	0304891035
			500ml	4	Φ81	93mm	0304891036
			300ml	4	Φ63	93mm	0304891039
			100ml	8	Φ43	71mm	0304891038
		16		Φ38.5	73mm	0304891006	
	<p>Aerosol-tight bucket</p> 	<p>50ml (conical)</p>	16	Φ29.5	66mm	0304891033	
			28	Φ29.5	75mm	0304891003	
		<p>50ml</p>	16	Φ29.5	66mm	0304891037	
			28	Φ29.5	73mm	0304891004	

 <p>Order No 0303891006 Capacity: 4x750ml</p>		20ml	40	Φ20	66mm	0304891 163
		15ml (conical)	56	Φ17.5	82mm	0304891 034
			64	Φ17	75mm	0304891 005
		15ml	76	Φ17	71mm	0304891 164
		7ml	96	Φ13.5	71mm	0304891 165
		5ml	148	Φ13	71mm	0304891 166
		1.5ml	224	Φ11.2	38mm	0304891 025

Rotor	Bucket	Adapter	Capacity	Place	Diameter	Depth	Order No
<p>No.5 Swing Rotor</p>  <p>Order No: 0302851500 Max.Speed : 4000rpm RCF: 3500xg Capacity:</p>	<p>Aerosol-tight bucket</p>  <p>Order No 0303891006 Capacity: 4x750ml</p>		500ml (conical)	4	Φ96mm	85mm	0304891 021
			500ml	4	Φ100mm	90mm	0304891 197
			300ml	8	Φ62mm	70.5mm	0304891 019
			100ml	8	Φ43mm	83.5mm	0304891 198
			50ml (conical)	40	Φ29.5mm	75mm	0304891 020
			50ml	40	Φ29.5mm	75mm	0304891 199

4x750ml			20ml	40	Φ20mm	83.5mm	0304891163
	Bucket Order No: 030389100 2 Capacity: 4x750ml		50ml	36	Φ29.5mm	83mm	0304891016
			50ml (conical)	36	Φ29.5mm	83mm	0304891015
			50ml (conical)	88	Φ17	85mm	0304891012
			7ml	168	Φ14	80mm	0304891017
The adapters can be customized.							

Rotor	Cup	Adapter	Capacity (ml)	Place	Diameter mm	Depth (mm)	Order No
No.6  Swing Rotor Order No. 0302851600			300	4	Φ63	100	0304891142
			100	4	Φ38.5	107	0304891087
				8	Φ38.5	95	0304891009
		50	12	Φ29.5	72	0304891082	
			16	Φ29.5	80	0304891007	
				50 (conical)	16	Φ29.5	75
		20	28	Φ21	72	0304851485	

Speed: 4000rpm RCF: 3040xg Capacity: 4x500ml		15	36	Φ17	72	030489108 3	
		5	76	Φ14	72	030485145 0	
			80	Φ14	72	030489101 0	
	 Carrier 03038514 21 Capacity: 4x500ml		250	4	Φ63	95	030489104 1
			50 Conical	16	Φ29.5	76	030489107 5
				24	Φ29.5	76	030489101 4
			50	16	Φ29.5	76	030489110 7
				24	Φ29.5	74	030489101 3
			15 Conical	40	Φ17	76	030489107 4
				68	Φ17	76	030489101 1
			15	40	Φ17	76	030489110 4
			10	80	Φ16.5	76	030489107 7
			5	112	Φ13.5	76	030489108 1
		1.5	100	Φ11.2	76	030489107 9	
		Order No. 0303851495 Capacity: 4x2x96 places Elisa plate					
		Order No. 0303891011 Capacity: 4x24x7/5ml Bucket					
		Order No. 0303891011 Capacity: 4x37x7ml Bucket					