

3H Series Intelligent High-Speed Refrigerated Centrifuge

The 3H Series is available with a wide range of angle rotors and horizontal rotors, up to 100 custom programs, and exceptional versatility. It is the classic product of Herexi centrifuges. Applied to bacteria, protein precipitation, nucleic acid extraction, cell component separation, environmental sample processing.



Main Features

- Micro-controller and high-torque brushless motor provide stable operation and low noise.
- Wide temperature control range: -20 ° C +40°C, can be set during the operation of the centrifuge; with pre-cooling function, it can quickly cool down to the set temperature degree; with standby cooling function, .
- It has various early warning functions such as over-speed, over temperature, unbalance, under pressure and overpressure, three-stage damping and shock absorption, which makes the motor run safely and reliably, and achieve excellent centrifugal effect.
- TFT-LCD true color touch screen and physical button dual operation mode, can change parameters at any time during operation, the operation menu is available in multiple languages(Chinese, English, Russian, Portuguese).
- The bio-safety airtight angle rotor uses a silicone rubber integral seal (EU RoHS 2015/863) to avoid fully guarantee for the safety of the staff and laboratory environment.
- 304 stainless steel centrifugal chamber and whole-steel casing, one-piece stamped steel front face and three-layer steel protective cover to ensure the safety of workers and laboratories.
- Can store 100 sets of user-defined programs, can display the speed rise curve, centrifugal integral curve, temperature curve.
- Aviation forged aluminum rotor (angle rotor only) and a variety of adapters are available, suitable for 0.2mL to 100mL centrifuge tubes or reagent bottles; can centrifuge various MTP micro-plates, PCR plates, cell plates The diamond shape is beautiful, and more suitable for corner placement, saving lab limited bench space.
- With CFDA & CFDA production qualification, ISO 9001, ISO 13485 and CE certification.

Specification

Model	3H24RI	3H20RI	3H16RI	3H12RI
Max Speed	24000r/min	20800r/min	16800r/min	12000r/min
Max RCF	39740×g	29850×g	19470×g	12290×g
Standard rotor	12×1.5/2.0mL titanium alloy	12×1.5/2.0mL	12×1.5/2.0mL	24×1.5/2.0mL
Max Capacity	4×100mL	4×100mL	4×100mL	6×50mL
Speed Adjustment	±50rpm steps (can be customized)			
Cooling System	R404a			
Control and drive system	Large torque AC variable frequency motor, microcomputer control			
Temp control range	- 20°C ~ +40°C			
Temp adjustment accuracy	±1°C			
Operation program	100set			
Total Power	1.5kW			
Timer Range	1min-99h59min. with continuous run function			
Noise level	≤60dB (A)			
Rotor recognition	Automatic Recognition			
Weight	75kg			
Dimention (L×W×H)	710×630×350mm			
Package dimensions				

Rotors Specification

Figure	3H24RI	3H20RI	3H16RI	3H12RI
Fixed-Angle Rotor	 12×1.5/2.0mL	Max Speed: 24000r/min Max RCF: 39740×g Serial No: H001-003-039-301 Titanium alloy rotor	Max Speed: 20800r/min Max RCF: 29850×g Serial No: H001-003-038-301	Max Speed: 16800r/min Max RCF: 19470×g Serial No: H001-003-001-301 Max RCF: 9930×g
	 48×0.5mL	Max Speed: 13500r/min Max RCF: 15640×g Serial No: H001-003-016-301 Bio-isolated sealed rotor cover	Max Speed: 13000r/min Max RCF: 14503×g Serial No: H001-003-016-301 Bio-isolated sealed rotor cover	Max Speed: 12000r/min Max RCF: 12357×g Serial No: H001-003-016-301 Bio-isolated sealed rotor cover
	 18×1.5mL	Max Speed: 16000r/min Max RCF: 20606×g Serial No: H001-003-002-301	Max Speed: 16000r/min Max RCF: 20606×g Serial No: H001-003-002-301	Max Speed: 14000r/min Max RCF: 15777×g Serial No: H001-003-002-301

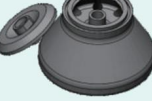
Figure	3H24RI	3H20RI	3H16RI	3H12RI
 24×1.5/2.0mL	Max Speed: 16000r/min Max RCF: 23798×g Serial No: H001-003-003-301 Bio-isolated sealed rotor cover	Max Speed: 14000r/min Max RCF: 18220×g Serial No: H001-003-003-301 Bio-isolated sealed rotor cover	Max Speed: 14000r/min Max RCF: 18220×g Serial No: H001-003-003-301 Bio-isolated sealed rotor cover	Max Speed: 11500r/min Max RCF: 12290×g Serial No: H001-003-003-301 Bio-isolated sealed rotor cover
 30×1.5mL	Max Speed: 12000r/min Max RCF: 15294×g Serial No: H001-003-015-301	Max Speed: 12000r/min Max RCF: 15294×g Serial No: H001-003-015-301	Max Speed: 11000r/min Max RCF: 12851×g Serial No: H001-003-015-301	
 48×1.5mL	Max Speed: 13000r/min Max RCF: 18138×g Serial No: H001-003-070-301	Max Speed: 13000r/min Max RCF: 18138×g Serial No: H001-003-070-301	Max Speed: 13000r/min Max RCF: 18138×g Serial No: H001-003-070-301	
 10×5mL	Max Speed: 20000r/min Max RCF: 27596×g Serial No: H001-003-032-301 钛合金转子			
 10×5mL		Max Speed: 16000r/min Max RCF: 17660×g Serial No: H001-003-004-301 Bio-isolated sealed rotor	Max Speed: 13000r/min Max RCF: 11660×g Serial No: H001-003-004-301 Bio-isolated sealed rotor	Max Speed: 12000r/min Max RCF: 9930×g Serial No: H001-003-004-301 Bio-isolated sealed rotor
 8×7mL	Max Speed: 14000r/min Max RCF: 12271×g Serial No: H001-003-005-301 Bio-isolated sealed rotor	Max Speed: 14000r/min Max RCF: 12271×g Serial No: H001-003-005-301 Bio-isolated sealed rotor	Max Speed: 14000r/min Max RCF: 12271×g Serial No: H001-003-005-301 Bio-isolated sealed rotor	Max Speed: 12000r/min Max RCF: 12271×g Serial No: H001-003-005-301 Bio-isolated sealed rotor
 12×10mL/5mL	Max Speed: 15000r/min Max RCF: 21595×g Serial No: H001-003-006-301 Bio-isolated sealed rotor	Max Speed: 14000r/min Max RCF: 18810×g Serial No: H001-003-006-301 Bio-isolated sealed rotor	Max Speed: 12000r/min Max RCF: 13820×g Serial No: H001-003-033-301 Bio-isolated sealed rotor	Max Speed: 11000r/min Max RCF: 11612×g Serial No: H001-003-033-301 Bio-isolated sealed rotor
 8×15mL (conical bottom)	Max Speed: 12000r/min Max RCF: 14830×g Serial No: H001-003-013-301 Bio-isolated sealed rotor	Max Speed: 12000r/min Max RCF: 14830×g Serial No: H001-003-013-301 Bio-isolated sealed rotor	Max Speed: 12000r/min Max RCF: 14830×g Serial No: H001-003-013-301 Bio-isolated sealed rotor	
 8×15mL (Round bottom)	Max Speed: 12000r/min Max RCF: 14830×g Serial No: H001-003-037-301 Bio-isolated sealed rotor	Max Speed: 12000r/min Max RCF: 14830×g Serial No: H001-003-037-301 Bio-isolated sealed rotor	Max Speed: 12000r/min Max RCF: 14830×g Serial No: H001-003-037-301 Bio-isolated sealed rotor	

	Figure	3H24RI	3H20RI	3H16RI	3H12RI
Fixed-Angle Rotor	 12×10mL (Through-hole)	Max Speed : 6000r/min Max RCF : 3740×g Serial No : H001-003-018-301	Max Speed : 6000r/min Max RCF : 3740×g Serial No : H001-003-018-301	Max Speed : 6000r/min Max RCF : 3740×g Serial No : H001-003-018-301	Max Speed : 6000r/min Max RCF : 3740×g Serial No : H001-003-018-301
	 6×50mL (Through-hole)	Max Speed : 6000r/min Max RCF : 3670×g Serial No : H001-003-017-301	Max Speed : 6000r/min Max RCF : 3670×g Serial No : H001-003-017-301	Max Speed : 6000r/min Max RCF : 3670×g Serial No : H001-003-017-301	Max Speed : 6000r/min Max RCF : 3670×g Serial No : H001-003-017-301
	 6×50mL (Round bottom)	Max Speed : 12000r/min Max RCF : 13820×g Serial No : H001-003-008-301 Bio-isolated sealed rotor	Max Speed : 12000r/min Max RCF : 13820×g Serial No : H001-003-008-301 Bio-isolated sealed rotor	Max Speed : 11000r/min Max RCF : 11610×g Serial No : H001-003-008-301 Bio-isolated sealed rotor	Max Speed : 10000r/min Max RCF : 9600×g Serial No : H001-003-008-301 Bio-isolated sealed rotor
	 6×50mL (conical bottom)	Max Speed : 12000r/min Max RCF : 15120×g Serial No : H001-003-009-301 Bio-isolated sealed rotor	Max Speed : 12000r/min Max RCF : 15120×g Serial No : H001-003-009-301 Bio-isolated sealed rotor	Max Speed : 11000r/min Max RCF : 12700×g Serial No : H001-003-009-301 Bio-isolated sealed rotor	Max Speed : 10000r/min Max RCF : 10500×g Serial No : H001-003-009-301 Bio-isolated sealed rotor
	 4×100mL	Max Speed : 11000r/min Max RCF : 12700×g Serial No : H001-003-010-301 Bio-isolated sealed rotor	Max Speed : 10000r/min Max RCF : 10500×g Serial No : H001-003-010-301 Bio-isolated sealed rotor	Max Speed : 9000r/min Max RCF : 8500×g Serial No : H001-003-010-301 Bio-isolated sealed rotor	
Swing Rotor	 12×10mL	Max Speed : 4000r/min Max RCF : 2360×g Serial No : H001-002-055-201 Cup serial No : H001-002-055-208			
	 4×50mL	Max Speed : 4000r/min Max RCF : 2360×g Serial No : H001-002-063-201 Cup serial No : H001-002-063-208 See the Appendix No1 for optional adapters			
	 4×100mL	Max Speed : 4000r/min Max RCF : 2490×g Serial No : H001-002-054-201 Cup serial No : H001-002-054-208 See the Appendix No1 for optional adapters			
Swing micro-plate rotor	 2×2×48hole	Max Speed : 3000r/min Max RCF : 1120×g Serial No : H001-002-052-201 Cup serial No : H001-002-052-221			