



台式高速（冷冻）离心机

Table-Top High Speed (Refrigerated) Centrifuge

3-15/3K15



通用台式高速离心机 Sigma 3-15 No. 10795 (220~240 V , 50/60 Hz)

- 通用型实验室台式高速离心机, 可以离心多种容量的角转子, 水平转子, 载玻片转子和酶标板转子;
 - 免维护无碳刷变频电机;
 - 速度范围100~15,300 rpm, 精确度 ± 1 rpm;
 - 在最高转速下运行极为平稳
 - 微控制器可以预设离心力、转速、转子、时间和温度 (3K15);
 - 20种加速和减速曲线, 10种程序记忆可被调用;
 - 磁性转头识别, 避免转子超速, 不平衡保护功能;
 - 符合国际IEC1010安全标准及ISO 9001质量认证
- Laboratory centrifuge, air cooled, for the universal use in the laboratory. Various angle, swing-out, microtiter rotor and cytorotor available.
 - Maintenance-free brushless drive motor with exact speed pre-selection and display.
 - Speed range 100 to 15,300rpm, accuracy 1 rpm.
 - Extremely smooth running even at maximum speed.
 - A microcontroller provides for pre-selection of gravitational field, speed, rotor, time and temperature (3K15).
 - 20 acceleration and deceleration curves and 10 program memory locations are available.
 - Magnetic rotor identification prevents overspeeding rotors, imbalance switch.
 - Product according to national and international safety regulations (IEC1010) and ISO 9001 quality certification

通用台式高速冷冻离心机 Sigma 3K15 No. 10797 (220~240 V , 50 / 60 Hz)

- 通用台式冷冻离心机, 内置制冷系统
- 静止状态下也可控制转子温度
- 采用环保无氟制冷剂 (R 134a)
- 环境温度+23℃时, 最高转速下, 转子最低温度约+5℃, 13,000rpm下约为0℃。

- Refrigerated table top centrifuge with built in refrigeration system.
- Temperature control of rotors also during standstill. CFC-free refrigerant (R 134a)
- Minimum temperature approx. 5°C at maximum speed (ambient temperature 23°C), at 13000rpm approx. 0°C.

转子	最高转速		最大相对离心力	
Rotor	[r/min]		RCF[xg]	
No.	3-15	3K15	3-15	3K15
11133 + 4 x 13104	5,000	5,500	4,500	5,445
11132 : 水平转子 28 x 15 ml 全套 (11133 + 4 x 13104 + 4 x 17015 + 28 x 15020)				
适用于吊篮13104的适配器: 可另配17111密封盖 Adapters for bucket 13104; sealable with cap 17111				
17008 12 x 1.5 / 2.2 ml	17006 12 x 5 ml RIA		17027 7 x 5 ~ 7 ml	
17007 12 x 7 ml	17012 6 x 10 ml		17015 7 x 15 ml	
17019 3 x 15 ml	Culture	17025 2 x 25 ml	17030 2 x 25 ~ 30 ml	
17032 1 x 30 ml	Sterilin	17049 1 x 50 ml	Culture	17050 1 x 50 ml
17052 1 x 40 ~ 50 ml	17085 1 x 78 ~ 85 ml		17100 1 x 100 ml	
15202 PP-bottle 190 ml	15203 PC-bottle 200 ml			



11132



13104



11133

技术参数	Technical data	3-15	3K15
电源	Electric supply	220~240 V, 50/60 Hz	220~240 V, 50/60 Hz
电机功率[W]	Power consumption drive	460	460
制冷功率[W]	Power consumption refig	-	550
最大容量[ml]	Max. capacity	4 x 200	4 x 200
最高转速[r/min]	Max. speed [rpm] Angle/swing-out Rotor	14,500	15,300 / 5,500
最大相对离心力[xg]	Max. RCF [xg]	20,685	23,031
干扰抵制标准	Interference suppression	EN 55011 / B	EN 55011 / B
尺寸:高 X 宽 X 长[mm]	Dimensions: Height x Width X Depth	375 x 410 x 550	375 x 410 x 675
重量(无转子)[kg]	Weight without rotor	37	64
最大动能[Nm]	Kinetic Energy max.	9530	9970
噪音[dB(A)]	Noise level at max. speed (apprex.)		
No.12154转子 15,300 r/min	Rotor 12154 at 15300 rpm	65	66
No.11132转子 5,500 r/min	Rotor 11132 at 5500 rpm	<60	<63
最快加速时间[秒]:No.12154转子	Max. Acceleration Rotor 12154	26	26
No.11132转子	Rotor 11132	25	20
最快减速时间[秒]:No.12154转子	Max. Deceleration Rotor 12154	41	41
No.11132转子	Rotor 11132	28	12
转子最低温度* [°C]	Min. Rotor temperature *)		
11132 转子 5,500 r/min	Rotor 11132 5500 rpm	-	-2 / +4
12154 转子 15,300 r/min	Rotor 12154 15300 rpm	-	+2 / +5



17000 17007 17012 17015 17018 17019



17027 17049 17050 17050-07-a 17050-049 17025 17100

SIGMA
Laborzentrifugen

上海创萌生物科技有限公司

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生物器材部-中国销售

角转子/ Angle Rotor (1.5~ 85ml)

转子 Rotor	容量 Capacity	离心管/Tube 适配器/Adapter
No.12110	12 x 1.5 / 2.2 ml	
3-15 max.14,500 r/min $\approx$ 15,279 xg		
3K15 max. 15,300 r/min $\approx$ 17,011 xg		
No.12154	24 x 1.5 / 2.2 ml	(15008/15040)
3-15 max.14,500 r/min $\approx$ 19,275 xg		
3K15max. 15,300 r/min $\approx$ 21,460 xg		13021/13000/13002
No.12131	30 x 1.5 / 2.2 ml	
3-15 max.13,200 r/min $\approx$ 19,480 xg		
3K15 max. 14,000 r/min $\approx$ 21,913 xg		
No.12111	10 x 10 ml	
3-15 max.14,500 r/min $\approx$ 17,865 xg		
3K15 max. 15,300 r/min $\approx$ 19,890 xg		15000/15010/15039
No.12157	20 x 10 ml	
3-15 max.9,000 r/min $\approx$ 8,875 xg		
3K15 max. 10,000 r/min $\approx$ 10,956 xg		
No.19777	10 x 15ml Culture	
3-15 max.9,000 r/min $\approx$ 8,422 xg		
3K15 max. 9,500 r/min $\approx$ 9,384 xg		15115
No.12158	6 x 30 ml	15030/15032/15029
3-15 max.14,500 r/min $\approx$ 18,570 xg		
3K15 max. 15,300 r/min $\approx$ 20,675 xg		13059: 10 ml
No.19776	6 x 50 ml Culture	15151
3-15 max.9,000 r/min $\approx$ 8,422 xg		13079:50 ml
3K15 max. 9,500 r/min $\approx$ 9,384 xg		13060:15 ml Culture
No.12150	6 x 50 ml	
3-15 max.10,000 r/min $\approx$ 9,391 xg		
3K15 max. 11,000 r/min $\approx$ 11,363 xg		15051/15052/15054
No.12156	8 x 50 ml	16018:15 ml
3-15 max.9,000 r/min $\approx$ 8,694 xg		16030:30 ml Corex
3K15 max. 10,000 r/min $\approx$ 10,733 xg		
No.12155	4 x 85 ml	15074/15075
3-15 max.10,000 r/min $\approx$ 10,174 xg		15076/15080
3K15 max. 10,000 r/min $\approx$ 10,174 xg		13084:10 ml
No.12159	6 x 85 ml	13083:30 ml
3-15 max.8,000 r/min $\approx$ 7,012 xg		16019:15 ml
3K15max. 8,000 r/min $\approx$ 7,012 xg		16031:30 ml Corex
载玻片转子/Cyto-Rotor		13081:15 ml
		13080:50 ml Culture
		13063:15 ml Greiner
		13082:50 ml
No. 11224 载玻片转子/ Cyt rotor		
3-15 max.3,000 r/min $\approx$ 1,137 xg		
3K15 max. 3,000 r/min $\approx$ 1,137 xg		
鼓式转子/ Drumrotor		
No. 11136 鼓式转子/ Drumrotor, 需配适配器		
3-15 max. 13,000 r/min $\approx$ 13,226 xg		
3K15 max. 14,500 r/min $\approx$ 16,454 xg		
酶标板转子/ MTP Swing-out rotor		
No. 11222 酶标板转子/ MTP Swing-out rotor		
3-15 max.3,000 r/min $\approx$ 1,238 xg		
3K15 max. 3,000 r/min $\approx$ 1,238 xg		
容量 / capacity : 2 x 3 x 15 mm MTP		

