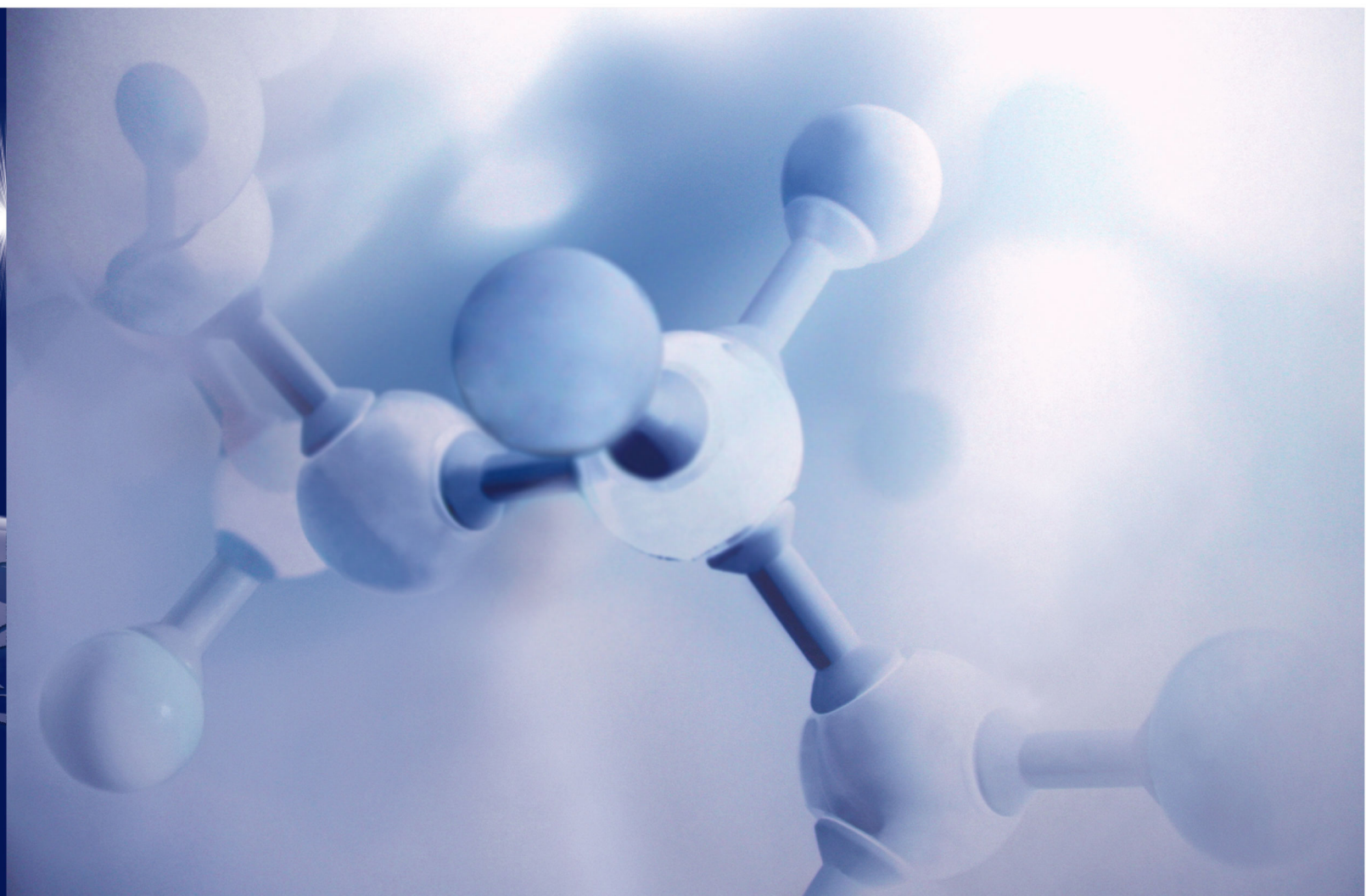




凯达离心机

KAIDA CENTRIFUGE

2012K系列

湖南凯达科学仪器有限公司
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• 湖南省凯达集团

主要从事房地产开发、矿业开发、重大基本建设项目投资和科学仪器的研制生产，具有雄厚的技术实力和可靠的质量保证体系，资产规模达11亿元。

• 湖南凯达科学仪器有限公司、湖南省凯达实业发展有限公司

系凯达集团投资1200万元成立的全资高科技子公司，专业研制生产离心机及实验室仪器等产品，通过了ISO9001：2008国际质量管理体系认证和欧洲CE认证。公司科研人员全部具备本科以上学历，其中博士一人。骨干科研人员从事离心机产品研究开发工作已有二十多年，对离心机核心技术进行过一系列深入研究，如：转子光弹试验、电阻法应变测量试验、轴对称有限元法理论计算、热力学计算、空气动力学计算等，研制开发了变频电机驱动、微机程序控制、环保温控等操作简便、安全可靠的新一代低噪声离心机。公司不断引进吸收国外新技术并与国内重点院校、科研单位合作，使产品技术紧跟世界先进水平，现生产高速离心机、低速离心机、冷冻离心机、大容量离心机等23种系列的离心机产品，在湖南省率先获得医疗器械产品(准)字号注册（湘(长)药管械(准)字2011第1410025号）。

• 凯达离心机

等实验室仪器以其优秀的品质和良好的服务在业界赢得了美誉，在全国大专院校、科研院所、生物制药、卫生系统、农牧渔系统得到了广泛的应用，还远销美国、俄罗斯、土耳其、沙特阿拉伯、埃及、印度、新加坡、香港、秘鲁、古巴、意大利、法国、波兰等世界二十多个国家和地区。

● Hunan Kaida Group engages in the real estate development, Mining Development, the basic construction items investment and the technical instrument research and produce. The Group, whose asset amounts to 11 hundred million dollars, has abundant capital, advanced technology and reliable quality guarantee system.

● Hunan Kaida Scientific Instruments Co., Ltd 、Hunan Kaida Real Estate Development co., Ltd is highteach company were invested whole only by Hunan Kaida Group. The company specializes in the research and manufacture of centrifuge and laboratory instrument, and certificated by ISO9001：2008,CE. The R&D department has carried out a series of experiments on the centrifuge core technology, such as the rotor light ball experiment, the resistance law strain-gauging experiment, the axial symmetry finite element method theoretical calculation, thermodynamic calculation, aerodynamics calculation and so on. The new generation products are safe and reliable with the frequency conversion motor-driven, microcomputer control procedure and NonFreon Refrigeration System, , low noise, safe and reliable centrifuge. The Company unceasingly import the overseas advanced technology with the famous universities and the research institutions. The company is produced centrifuge, and high speed, low speed, large capacity, refrigerated, 23 series of specifications products.

● Kaida Centrifuge and laboratory instrument which enjoys a high reputation in the industry. Our products have already been exported to the United States, Russia, Turkey, Sardi Arabia, Egypt, India, Singapore, Hong Kong,Peru, Cuba and so on. We take the “excellent quality, reasonable price, good faith, reliable service” as an objective. We welcome customers from China and abroad wholeheartedly.



KH30R / KH30RF

(台式)通用高速冷冻离心机

(Table-Type) Universal High-Speed Refrigerated Centrifuge



KH30R ►

- 系统先进，离心效果好

10种升降速率选择或直接输入升降速时间，自定义离心参数，实现最优化离心
点动功能、短暂离心，便于多样化离心
专有的SCT转速控制技术，实现精准离心
专有的SBT软刹车技术，有效减少重悬，确保样品最大得率

- 安全性高，放心使用

全自动转子识别系统，无需选择转子号
超温、超速、门盖、不平衡等保护功能
钢制机身、不锈钢离心腔，钢制护套
可选配生物安全转子

- 界面友好，操作人性化

LCD、LED多屏显示，程序组、升降速、转速/离心力、时间、温度等参数单键设置无需组合键；
微电脑控制，运行参数自动记忆，可RCF直接启动，40种自定义工作模式直接调用

- 名优部件，经久耐用

大力矩无刷变频电机，SKF超高速轴承，欧洲进口无氟压缩机
航空橡胶减振，中国铝业超硬铝合金

- 通用性强，一机多功能

既能角转子高速离心，又能水平转子大容量低速离心，适用于多领域研究、生产

- Advanced Control System, Excellent separation

Ten kinds of Accel/Decel modes, can be selected or directly set up the time of Accel/Decel; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
Short running function, easy to diversification centrifugation. Proprietary SCT speed control technique, high efficiency. Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.

- High Safety, Ease of use

Rotor identification.
Over temperature, over speed, door and unbalanced protection.
Steel body, Stainless steel chamber, Steel Protective sleeve. Can take the rotor with aerosol-tight lid for use with hazardous samples.

- Friendly Display, Humanity Operate

Many pieces of LCD and LED display, the Program, Accel/Decel modes, RPM/RCF, Time, Temperature are all easy to set up.
Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, can be store and use 40 kinds of self-defining operating modes directly by user-self.

- Good parts, Reliable and longlasting

Brushless converter motor which has high torque, "SKF" supper speed bearing, Freon-free compressor from Europe. Aerospace rubber for damping, super-duralumin alloy from Aluminum Corporation of China Limited (CHALCO).

- Universal, multifunctional.

Can take Angle rotor for High Speed, and Swing rotor for High capacity & Low Speed, widely used in several kinds of research and produce.



KH30RF ▶



● 技术参数

Technical Parameter

型号 Model	KH30R	KH30RF
最高转速 Max Speed	22600r/min	
最大相对离心力 Max Rcf	35555×g	
最大容量 Max Capacity	角式Angle Rotor: 1500ml 水平Swing Rotor: 3000ml	
转速精度 Speed Accuracy	±20r/min	
温控范围 Temperature Range	-20℃~+40℃	
温控精度 Temperature Accuracy	±1℃	
定时范围 Time Range	1s-99h59min59s	
电源 Power Supply	AC 220V 50Hz 18A	
整机噪声 Noise	≤60dB	
外形尺寸 Dimension	800×700×400mm	800×700×850mm
重量 Weight	110 kg	150kg

● 转子

Rotor

转子类型 Model	序号 Number	容量 Capacity	最高转速 Max Speed (r/min)	最大相对离心力 Max RCF(×g)	试管尺寸 (mm) Dimension of tube
角转子 Angle Rotor	No. 1	12×1.5ml	22600	35555×g	Φ10×42
	No. 2	18×0.5ml	22600	35555×g	Φ8×32
	No. 3	10×5ml	20000	27218×g	Φ14×54
	No. 4	24×1.5 ml	18000	29362×g	Φ10×42
	No. 5	12×10ml	18000	33293×g	Φ16×81
	No. 6	6×30ml	16000	30400×g	Φ25×93.5
	No. 7	6×50ml	15000	23131×g	Φ28×105
	No. 8	4×100ml	14000	20000×g	Φ38×124
	No. 9	32×1.5ml	14000	15558×g	Φ10×42
	No. 10	8×8×1.5ml	13000管	12280×g	8连排
	No. 11	6×100ml	12000	14694×g	Φ38×124
	No. 12	6×250ml	9000	12429×g	Φ64×113
酶标转子 Microplate Rotor	No. 13	2×2×96孔	4000	2300×g	酶标板 Microplate Rotor
水平转子 Swing Rotor	No. 14	4×50ml/100ml	5500	5310×g	Φ38×124
	No. 15	8×50/100ml	4000	2810×g	Φ38×124
	No. 16	32×10ml/15ml	4000	2810×g	Φ16×85-118
	No. 17	48×5ml	4000	2800×g	采血管
	No. 18	80×5/7ml	4000	2800×g	采血管
	No. 19	120×5/7ml	4000	3200×g	采血管
	No. 20	4×250ml	4000	3500×g	Φ64×113
	No. 21	4×500ml	4000	3580×g	Φ80×140
	No. 22	4×750ml	4000	3580×g	Φ99×130

KH30R-II

台式通用高速冷冻离心机

Table-Type Low-Speed High Performance Refrigerated Centrifuge



KH30R-II ►

- 系统先进，离心效果好

10种升降速率选择，自定义离心参数，实现最优化离心

点动功能、短暂离心，便于多样化离心

专有的SCT转速控制技术，实现精准离心

专有的SBT软刹车技术，有效减少重悬，确保样品最大得率

- 安全性高，放心使用

全自动转子识别系统，无需选择转子号

超温、超速、门盖、不平衡等保护功能

钢制机身、不锈钢离心腔，钢制护套

可选配生物安全转子

- 界面友好，操作人性化

LCD、LED多屏显示，程序组、升降速、转速/离心力、时间、温度等参数单键设置无需组合键；

微电脑控制，可RCF直接启动，40种自定义工作模式直接调用

- 名优部件，经久耐用

大力矩无刷变频电机，SKF超高速轴承，欧洲进口无氟压缩机

航空橡胶减振，中国铝业超硬铝合金

- 通用性强，一机多功能

既能角转子高速离心，又能水平转子大容量低速离心，适用于多领域研究、生产

- Advanced Control System, Excellent Separation

Ten kinds of Accel/Decel modes. User can set up the operating parameter by themselves, to achieve the best centrifugal result.

Short running function, easy to achieve diversification of centrifugation.

Proprietary SCT speed control technique, high efficiency.

Proprietary SBT soft brake control technique, to avoid mix up and ensure maximum specimen

- High Safety, Easy of use

Rotor identification.

Over temperature, over speed, door and unbalance protection.

Steel body. Stainless steel chamber. Steel protective sleeve.

Can take the rotor with aerosol-tight lid for use with hazardous samples.

- Friendly Display, Humanity Operate

LCD, LED multiple display, the programs, Accel/Decel

modes, RPM/RCF, Time, Temperature are all easy to set up.

Microprocessor control, can start the instrument with RCF directly, can store and use 40 kinds of self-defining operating modes directly.

- Good parts. Reliable and longlasting

Brushless motor which has high torque, 'SKF' supper speed bearing. Freon-free compressor from Europe.

Aerospace rubber for damping, super-duralumin alloy from Aluminium Corporation of China Limited(CHALCO).

- Multiple functions

Can take angle rotor for high speed, and swing rotor for high capacity and low speed. Widely used in several kinds of research and production.



● 技术参数 Technical Parameter

型号 Model	KH30R-II
最高转速 Max Speed	21000r/min
最大相对离心力 Max Rcf	30700×g
最大容量 Max Capacity	角式600ml, 水平3000ml Angle Rotor 600ml, Swing Rotor 3000ml
转速精度 Speed Accuracy	±20r/min
温控范围 Temperature Range	-20℃~+40℃
温控精度 Temperature Accuracy	±1℃
定时范围 Time Range	1-999min
电源 Power Supply	AC 220V 50Hz 18A
整机噪声 Noise	≤60dB
外形尺寸 Dimension	800×700×400mm
重量 Weight	110kg

● 转子 Rotor

转子类型 Model	序号 Number	容量 Capacity	最高转速 Max Speed	最大相对离心力 Max RCF(×g)	试管尺寸 (mm) Dimension of tube
角转子 Angle Rotor	No. 1	12×1.5ml	21000 r/min	30700×g	Φ10×42
	No. 2	10×5ml	18000 r/min	22050×g	Φ14×54
	No. 3	24×1.5ml	17000 r/min	26190×g	Φ10×42
	No. 4	12×10ml	16000 r/min	26310×g	Φ16×81
	No. 5	6×50ml	14000 r/min	20150×g	Φ28×105
	No. 6	4×100ml	14000 r/min	20000×g	Φ38×124
	No. 7	6×100ml	10000 r/min	10200×g	Φ38×124
酶标转子 Microtiter plate Rotor	No. 8	2×2×96孔	4000 r/min	2300×g	酶标板 Microtiter Plate
水平转子 Swing Rotor	No. 9	4×50/100ml	5500 r/min	5310×g	Φ38×124
	No. 10	8×50/100ml	4000 r/min	2810×g	Φ38×124
	No. 11	32×10ml/15ml	4000 r/min	2810×g	Φ38×124
	No. 12	48×5ml	4000 r/min	3500×g	采血管 Blood Collection Tube
	No. 13	4×250ml	4000 r/min	3500×g	Φ64×113
	No. 14	4×500ml	4000 r/min	3580×g	Φ80×140
	No. 15	4×750ml	4000 r/min	3580×g	Φ99×130

KH20R-II

台式通用高速冷冻离心机

Table-Type High-Speed Refrigerated Centrifuge



KH20R-II ►

- 系统先进，离心效果好

10种升降速率选择，自定义离心参数，实现最优离心
点动功能、短暂离心，便于多样化离心
专有的SCT转速控制技术，实现精准离心
专有的SBT软刹车技术，有效减少重悬，确保样品最大得率

- 安全性高，放心使用

全自动转子识别系统，无需选择转子号
超温、超速、门盖、不平衡等保护功能
钢制机身、不锈钢离心腔，钢制护套
可选配生物安全转子

- 界面友好，操作人性化

LCD、LED多屏显示，程序组、升降速、转速/离心力、时间、温度等参数单键设置无需组合键；
微电脑控制，可RCF直接启动，40种自定义工作模式直接调用

- 名优部件，经久耐用

大力矩无刷变频电机，SKF超高速轴承，欧洲进口无氟压缩机
航空橡胶减振，中国铝业超硬铝合金

- 通用性强，一机多功能

既能角转子高速离心，又能水平转子低速离心，适用于多领域研究、生产

- Advanced Control System, Excellent Separation

Ten kinds of Accel/Decel modes. User can set up the operating parameter by themselves, to achieve the best centrifugal result.
Short running function, easy to achieve diversification of centrifugation.
Proprietary SCT speed control technique, high efficiency.
Proprietary SBT soft brake control technique, to avoid mix up and ensure maximum specimen.

- High Safety, Easy of use

Rotor identification.
Over temperature, over speed, door and unbalance protection.
Steel body. Stainless steel chamber. Steel protective sleeve.
Can take the rotor with aerosol-tight lid for use with hazardous samples.

- Friendly Display, Humanity Operate

LCD, LED multiple display, the programs, Accel/Decel modes, RPM/RCF, Time, Temperature are all easy to set up.
Microprocessor control, can start the instrument with RCF directly, can store and use 40 kinds of self-defining operating modes directly.

- Good parts. Reliable and longlasting

Brushless motor which has high torque, 'SKF' super speed bearing. Freon-free compressor from Europe.
Aerospace rubber for damping, super-duralumin alloy from Aluminium Corporation of China Limited(CHALCO).

- Multiple functions

Can take angle rotor for high speed, and swing rotor for low speed. Widely used in several kinds of research and production.



● 技术参数 Technical Parameter

型号 Model	KH20R-II
最高转速 Max Speed	18600r/min
最大相对离心力 Max Rcf	23950×g
最大容量 Max Capacity	角式400ml, 水平800ml Angle Rotor 400ml, Swing Rotor 800ml
转速精度 Speed Accuracy	±20r/min
温控范围 Temperature Range	-20℃~+40℃
温控精度 Temperature Accuracy	±1℃
定时范围 Time Range	1-999min
电源 Power Supply	AC 220V 50Hz 18A
整机噪声 Noise	≤60dB
外形尺寸 Dimension	800×700×400mm
重量 Weight	110kg

● 转子 Rotor

转子类型 Model	序号 Number	容量 Capacity	最高转速 Max Speed(r/min)	最大相对离心力 Max RCF(×g)	试管尺寸 (mm) Dimension of tube
角转子 Angle Rotor	No. 1	12×1.5ml	18600 r/min	23950×g	Φ10×42
	No. 2	18×0.5ml	18600 r/min	23950×g	Φ8×32
	No. 3	10×5ml	16000 r/min	17420×g	Φ14×54
	No. 4	24×1.5ml	14000 r/min	17510×g	Φ10×42
	No. 5	12×10ml	13000 r/min	17370×g	Φ16×81
	No. 6	6×50ml	13000 r/min	17380×g	Φ28×105
	No. 7	4×100ml	11000 r/min	13000×g	Φ38×124
酶标转子 Microtiter plate Rotor	No. 8	2×2×96孔	4000 r/min	23000×g	酶标板 Microtiter plate
水平转子 Swing Rotor	No. 9	4×50ml/100ml	5500 r/min	5310×g	Φ38×124
	No. 10	8×50/100ml	4000 r/min	2810×g	Φ38×124
	No. 11	32×10ml/15ml	4000 r/min	2810×g	Φ16×85-118

KS50R

台式高速冷冻离心机

Table-Type High-Speed Refrigerated Centrifuge



KS50R ▶



● 系统先进，离心效果好

10种升降速率选择或直接输入升降时间，自定义离心参数，实现最优化离心
点动功能、短暂离心，便于多样化离心
专有的SCT转速控制技术，实现精准离心
专有的SBT软刹车技术，有效减少重悬，确保样品最大得率

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超温、超速、门盖、不平衡等保护功能
钢制机身、不锈钢离心腔，钢制护套
可选配生物安全转子

● 界面友好，操作人性化

LCD、LED多屏显示，程序组、升降速、转速/离心力、时间、温度等参数单键设置无需组合键；
微电脑控制，运行参数自动记忆，可RCF直接启动，40种自定义工作模式直接调用

● 名优部件，经久耐用

大力矩无刷变频电机，SKF超高速轴承，欧洲进口无氟压缩机
航空橡胶减振，中国铝业超硬铝合金

● 技术参数

TECHNICAL PARAMETER

最高转速 Max Speed	26500r/min
最大相对离心力 Max Rcf	50000×g
最大容量 Max Capacity	100ml
转速精度 Speed Accuracy	±20r/min
温控范围 Temperature Range	-20℃~+40℃
温控精度 Temperature Accuracy	±1℃
定时范围 Time Range	1s-99h59min59s
电源 Power Supply	AC 220V 50Hz 18A
整机噪声 Noise	≤65dB
外形尺寸 Dimension	580×550×350mm
重量 Weight	116kg

● Advanced Control System, Excellent separation

Ten kinds of Accel/Decel modes, can be selected or directly set up the time of Accel/Decel; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
Short running function, easy to diversification centrifugation. Proprietary SCT speed control technique, high efficiency. Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.

● High Safety, Ease of use

Rotor identification.
Over temperature, over speed, door and unbalanced protection.
Steel body, Stainless steel chamber, Steel Protective sleeve. Can take the rotor with aerosol-tight lid for use with hazardous samples.

● Friendly Display, Humanity Operate

Many pieces of LCD and LED display, the Program, Accel/Decel modes, RPM/RCF, Time, Temperature are all easy to set up.
Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, can be store and use 40 kinds of self-defining operating modes directly by user-self.

● Good parts, Reliable and longlasting

Brushless converter motor which has high torque, "SKF" supper speed bearing, Freon-free compressor from Europe. Aerospace rubber for damping, super-duralumin alloy from Aluminum Corporation of China Limited (CHALCO).

● 转子

Rotor

转子类型 Model	序号 Number	容量 Capacity	最高转速 Max Speed	最大相对离心力 Max RCF(×g)	试管尺寸 (mm) Dimension of tube
角转子 Angle Rotor	No. 1	12×1.5ml	26500	50000×g	Φ10×42
	No. 2	18×0.5ml	26500	50000×g	Φ8×32
	No. 3	8×5ml	20000	27300×g	Φ10×54
	No. 4	10×10ml	18000	30200×g	Φ16×81

KL03RH

台式低速控温离心机

Table-Type Low-Speed Temperature Control Centrifuge



KL03RH ▶



● 系统先进，离心效果好

10种升降速率选择或直接输入升降速时间，自定义离心参数，实现最优化离心
点动功能、短暂离心，便于多样化离心
专有的SCT转速控制技术，实现精准离心
专有的SBT软刹车技术，有效减少重悬，确保样品最大得率
4℃和37℃时，静止状态下温度偏差为±1℃，控温更精确
能准确稳定在37℃，主要应用于温和离心精子及温度敏感型人体细胞离心

● 安全性高，放心使用

超温、超速、门盖、不平衡等保护功能
钢制机身、不锈钢离心腔，钢制护套
可选配生物安全转子

● 界面友好，操作人性化

LCD、LED多屏显示，程序组、升降速、转速/离心力、时间、温度等参数单键设置无需组合键；
微电脑控制，运行参数自动记忆，可RCF直接启动，20种自定义工作模式直接调用

● 名优部件，经久耐用

大力矩无刷变频电机，SKF超高速轴承，欧洲进口无氟压缩机
航空橡胶减振，中国铝业超硬铝合金

● Advanced Control System, Excellent separation

Ten kinds of Accel/Decel modes, can be selected or directly set up the time of Accel/Decel; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
Short running function, easy to diversification centrifugation.
Proprietary SCT speed control technique, high efficiency.
Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.
The temperature accuracy is ±1℃ during 4℃ and 37℃ in the static state, More precise.
Can be stability in the 37℃, and mainly applies to centrifugal sperm and temperature sensitive cell.

● High Safety, Ease of use

Over temperature, over speed, door and unbalanced protection.
Steel body, Stainless steel chamber, Steel Protective sleeve.
Can take the rotor with aerosol-tight lid for use with hazardous samples.

● Friendly Display, Humanity Operate

Many pieces of LCD and LED display, the Program, Accel/Decel modes, RPM/RCF, Time, Temperature are all easy to set up.
Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, can be store and use 20 kinds of self-defining operating modes directly by user-self.

● Good parts, Reliable and longlasting

Brushless converter motor which has high torque, "SKF" supper speed bearing, Freon-free compressor from Europe.
Aerospace rubber for damping, super-duralumin alloy from Aluminum Corporation of China Limited (CHALCO).

● 技术参数

TECHNICAL PARAMETER

最高转速Max Speed	5000r/min
最大相对离心力Max Rcf	3550×g
最大容量Max Capacity	800ml
转速精度Speed Accuracy	±30r/min
定时范围Time Range	1-999min
温度控制精度Temperature Accuracy	±1℃
温度控制范围Temperature Range	-20℃~+40℃
整机噪声Noise	≤65dB
电源Power Supply	220V 50HZ 18A
外形尺寸Dimension	630×550×360 (mm)
重量Weight	85kg

● 转子

Rotor

转子类型 Model	序号 Number	容量 Capacity	最高转速 Max Speed	最大离心力 Max RCF	试管尺寸 (mm) Dimension of tube
水平转子 Swing Rotor	No. 1	4×50ml/100 ml	5000	3550×g	Φ38×124
	No. 2	24×10ml/15ml	4000	2270×g	Φ16×85-118
	No. 3	8×50/100ml	4000	2270×g	Φ28×105-115
酶标转子 Microplate Rotor	No. 4	2×2×96孔 Holes	4000	2300×g	酶标板子 Microplate Rotor
角转子 Angle Rotor	No. 5	24×1.5/2.0 ml	5000	2300×g	Φ10×42

KH20R / KH19A

台式高速(冷冻)离心机

Table-Type High-Speed (Refrigerated) Centrifuge



KH20R ►

- 系统先进，离心效果好

10种升降速率选择或直接输入升降速时间，自定义离心参数，实现最优化离心
点动功能、短暂离心，便于多样化离心
专有的SCT转速控制技术，实现精准离心
专有的SBT软刹车技术，有效减少重悬，确保样品最大得率

- 安全性高，放心使用

超温（KH19A不适用）、超速、门盖、不平衡等保护功能
钢制机身、不锈钢离心腔，钢制护套
可选配生物安全转子

- 界面友好，操作人性化

LCD、LED多屏显示，程序组、升降速、转速/离心力、时间、温度等参数单键设置无需组合键；
微电脑控制，运行参数自动记忆，可RCF直接启动，20种自定义工作模式直接调用

- 名优部件，经久耐用

大力矩无刷电机，SKF超高速轴承，欧洲进口无氟压缩机（KH19A不适用）
航空橡胶减振，中国铝业超硬铝合金

- Advanced Control System, Excellent separation

Ten kinds of Accel/Decel modes, can be selected or directly set up the time of Accel/Decel; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
Short running function, easy to diversification centrifugation.
Proprietary SCT speed control technique, high efficiency.
Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.

- High Safety, Ease of use

Over temperature, over speed, door and unbalanced protection.
Steel body, Stainless steel chamber, Steel Protective sleeve.
Can take the rotor with aerosol-tight lid for use with hazardous samples.

- Friendly Display, Humanity Operate

Many pieces of LCD and LED display, the Program, Accel/Decel modes, RPM/RCF, Time, Temperature are all easy to set up.
Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, can be store and use 20 kinds of self-defining operating modes directly by user-self.

- Good parts, Reliable and longlasting

Brushless motor which has high torque, "SKF" super speed bearing, Freon-free compressor from Europe.(KH19A not refrigerated model)
Aerospace rubber for damping, super-duralumin alloy from Aluminum Corporation of China Limited (CHALCO).



KH19A
 

● 技术参数
 Technical Parameter

型号 Model	KH20R	KH19A
最高转速 Max Speed	16600r/min	
最大相对离心力 Max Rcf	19200×g	
最大容量 Max Capacity	300ml	
转速精度 Speed Accuracy	±20r/min	±30r/min
温控范围 Temperature Range	-20℃→+40℃	/
温控精度 Temperature Accuracy	±1℃	/
定时范围 Time Range	1-999min	
电源 Power Supply	AC 220V 50Hz 15A	AC 220V 50Hz 15A
整机噪声 Noise	≤65dB	
外形尺寸 Dimension	600×570×370mm	400×350×340mm
重量 Weight	90kg	20kg

● 转子
 Rotorr

转子类型 Model	序号 Number	容量 Capacity	最高转速 Max Speed	最大相对离心力 Max RCF(×g)	试管尺寸 (mm) Dimension of tube
角转子 Angle Rotor	No. 1	12×1.5ml	16600	19200×g	Φ10×42
	No. 2	18×0.5ml	16600	19200×g	Φ8×32
	No. 3	24×1.5ml/2.0ml	13000	16060×g	Φ10×42
	No. 4	48×0.5ml	13000	14740×g	Φ8×32
	No. 5	10×5ml	13000	11500×g	Φ14×54
	No. 6	12×10ml	12000	14800×g	Φ16×81
	No. 7	6×50ml	12000	14800×g	Φ28×105
酶标转子 Microplate Rotor	No. 8	2×48孔Holes	3000	1400×g	酶标板 Microplate Rotor

KH23A

台式通用高速离心机
Table-Type Universal Centrifuge

KH23A ►



- 系统先进，离心效果好

10种升降速率选择或直接输入升降速时间，自定义离心参数，实现最优化离心
点动功能、短暂离心，便于多样化离心
专有的SCT转速控制技术，实现精准离心
专有的SBT软刹车技术，有效减少重悬，确保样品最大得率

- 安全性高，放心使用

全自动转子识别系统，无需选择转子号
超速、门盖、不平衡等保护功能
钢制机身、不锈钢离心腔，钢制护套
可选配生物安全转子

- 界面友好，操作人性化

LCD、LED多屏显示，程序组、升降速、转速/离心力、时间、温度等参数单键设置无需组合键；
微电脑控制，运行参数自动记忆，可RCF直接启动，40种自定义工作模式直接调用

- 名优部件，经久耐用

大力矩无刷变频电机，SKF超高速轴承
航空橡胶减振，中国铝业超硬铝合金

- 通用性强，一机多功能

既能角转子高速离心，又能水平转子大容量低速离心，适用于多领域研究、生产

- Advanced Control System, Excellent separation

Ten kinds of Accel/Decel modes, can be selected or directly set up the time of Accel/Decel; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
Short running function, easy to diversification centrifugation.
Proprietary SCT speed control technique, high efficiency.
Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.

- High Safety, Ease of use

Rotor identification.
over speed, door and unbalanced protection.
Steel body, Stainless steel chamber, Steel Protective sleeve.
Can take the rotor with aerosol-tight lid for use with hazardous samples.

- Friendly Display, Humanity Operate

Many pieces of LCD and LED display, the Program, Accel/Decel modes, RPM/RCF, Time, Temperature are all easy to set up.
Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, can be store and use 40 kinds of self-defining operating modes directly by user-self.

- Good parts, Reliable and longlasting

Brushless converter motor which has high torque,
"SKF" supper speed bearing,
Aerospace rubber for damping, super-duralumin alloy from Aluminum Corporation of China Limited (CHALCO).

- Universal, multifunctional.

Can take Angle rotor for High Speed, and Swing rotor for High capacity & Low Speed, widely used in several kinds of research and produce.



● 技术参数 TECHNICAL PARAMETER

最高转速 Max Speed	18600r/min
最大相对离心力 Max Rcf	23950×g
最大容量 Max Capacity	2000ml
转速精度 Speed Accuracy	±20r/min
定时范围 Time Range	1s-99h99min59s
电源 Power Supply	AC 220V 50Hz 18A
整机噪声 Noise	≤65dB
外形尺寸 Dimension	540×460×390mm
重量 Weight	48kg

● 转子 Rotor

转子类型 Model	序号 Number	容量 Capacity	最高转速 Max Speed	最大相对离心力 Max RCF(×g)	试管尺寸 (mm) Dimension of tube
角转子 Angle Rotor	No. 1	12×1.5ml	18600	23950×g	Φ10×42
	No. 2	18×0.5ml	18600	23950×g	Φ8×32
	No. 3	24×1.5/2.0ml	15000	21000×g	Φ10×42
	No. 4	10×5ml	16000	17420×g	Φ14×54
	No. 5	12×10ml	15000	23120×g	Φ16×81
	No. 6	6×50ml	13000	17380×g	Φ28×105
	No. 7	4×100ml	10000	9690×g	Φ38×124
酶标转子 Microplate Rotor	No. 8	2×2×96Holes	4000	2300×g	酶标板 Microplate Rotor
水平转子 Swing Rotor	No. 9	4×50/100ml	5000	4390×g	Φ38×124
	No. 10	4×500ml (adaptor 12×50ml/8×100ml)	4000	3580×g	No. 10
	No. 11	4×250ml (adaptor 8×50ml/36×10ml)	4000	3500×g	Φ64×113
	No. 12	32×10/15ml	4000	2810×g	Φ16×85-118
	No. 13	8×50ml	4000	2810×g	Φ28×105-115
	No. 14	48×5ml	4000	2800×g	Φ14×54
	No. 15	148×7ml	4000	3080×g	Φ13×78

KH40RF

高速冷冻离心机

High-Speed Refrigerated Centrifuge

KH40RF ▶



● 系统先进，离心效果好

10种升降速率选择或直接输入升降速时间，自定义离心参数，实现最优化离心
点动功能、短暂离心，便于多样化离心
专有的SCT转速控制技术，实现精准离心
专有的SBT软刹车技术，有效减少重悬，确保样品最大得率

● 安全性高，放心使用

全自动转子识别系统，无需选择转子号
超温、超速、门盖、不平衡等保护功能
钢制机身、不锈钢离心腔，钢制护套
可选配生物安全转子

● 界面友好，操作人性化

LCD、LED多屏显示，程序组、升降速、转速/离心力、时间、温度等参数单键设置无需组合键；
微电脑控制，运行参数自动记忆，可RCF直接启动，40种自定义工作模式直接调用

● 名优部件，经久耐用

大力矩无刷变频电机，SKF超高速轴承，欧洲进口无氟压缩机
航空橡胶减振，中国铝业超硬铝合金

● Advanced Control System, Excellent separation

Ten kinds of Accel/Decel modes, can be selected or directly set up the time of Accel/Decel; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
Short running function, easy to diversification centrifugation.
Proprietary SCT speed control technique, high efficiency.
Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.

● High Safety, Ease of use

Rotor identification.
Over temperature, over speed, door and unbalanced protection.
Steel body, Stainless steel chamber, Steel Protective sleeve.
Can take the rotor with aerosol-tight lid for use with hazardous samples.

● Friendly Display, Humanity Operate

Many pieces of LCD and LED display, the Program, Accel/Decel modes, RPM/RCF, Time, Temperature are all easy to set up.
Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, can be store and use 40 kinds of self-defining operating modes directly by user-self.

● Good parts, Reliable and longlasting

Brushless converter motor which has high torque, "SKF" supper speed bearing, Freon-free compressor from Europe.
Aerospace rubber for damping, super-duralumin alloy from Aluminum Corporation of China Limited (CHALCO).



● 技术参数 TECHNICAL PARAMETER

最高转速 Max Speed	21000r/min
最大相对离心力 Max Rcf	48900×g
最大容量 Max Capacity	3000ml
转速精度 Speed Accuracy	±20r/min
温控范围 Temperature Range	-20℃~+40℃
温控精度 Temperature Accuracy	±1℃
定时范围 Time Range	1s-99h59min56s
电源 Power Supply	AC 220V 50Hz 35A
整机噪声 Noise	≤65dB
外形尺寸 Dimension	810×710×1020mm
重量 Weight	320kg

● 转子 Rotor

转子类型 Model	序号 Number	容量 Capacity	最高转速 Max Speed	最大相对离心力 Max RCF(×g)	试管尺寸 (mm) Dimension of tube
角转子 Angle Rotor	No. 1	16×10ml/1.5ml	21000	48900×g	Φ16×81
	No. 2	6×50ml	20000	43000×g	Φ28×105
	No. 3	8×100ml	12000	19830×g	Φ38×124
	No. 4	4×300ml	11000	19300×g	Φ63×158(圆底) (Round Bottom)
	No. 5	6×300ml	10000	18500×g	Φ63×158(圆底) (Round Bottom)
	No. 6	6×500ml	8000	11680×g	Φ74×168
酶标转子 Microplate Rotor	No. 7	2×2×96孔 Holes	4000	2300×g	酶标转子
水平转子 Swing Rotor	No. 8	4×500ml	5000	5470×g	Φ80×140
	No. 9	4×50ml	5000	4390×g	Φ28×105-115
	No. 10	32×15ml	4000	3160×g	Φ16×114-118
	No. 11	8×50ml	4000	2950×g	Φ28×105-115
连续流转子 Continuous Rotor	No. 12	1000ml	14000	21500×g	200-600ml/min
	No. 13	3000ml	8000	9500×g	200-800ml/min

KL06RF

低速大容量冷冻离心机

Low-Speed Big Capacity Refrigerated Centrifuge



KL06RF ▶



● 系统先进，离心效果好

10种升降速率选择或直接输入升降速时间，自定义离心参数，实现最优化离心
点动功能、短暂离心，便于多样化离心
专有的SCT转速控制技术，实现精准离心
专有的SBT软刹车技术，有效减少重悬，确保样品最大得率

● 安全性高，放心使用

全自动转子识别系统，无需选择转子号
超温、超速、门盖、不平衡等保护功能
钢制机身、不锈钢离心腔，钢制护套
可选配生物安全转子

● 界面友好，操作人性化

LCD、LED多屏显示，程序组、升降速、转速/离心力、时间、温度等参数单键设置无需组合键；
微电脑控制，运行参数自动记忆，可RCF直接启动，40种自定义工作模式直接调用

● 名优部件，经久耐用

大力矩无刷变频电机，SKF超高速轴承，欧洲进口无氟压缩机
航空橡胶减振，中国铝业超硬铝合金

● 技术参数 TECHNICAL PARAMETER

最高转速 Max Speed	6000r/min
最大相对离心力 Max Rcf	6680×g
最大容量 Max Capacity	6000ml
转速精度 Speed Accuracy	±20r/min
温控范围 Temperature Range	-20℃~+40℃
温控精度 Temperature Accuracy	±1℃
定时范围 Time Range	1s-99h59min59s
电源 Power Supply	AC 220V 50Hz 35A
整机噪声 Noise	≤65dB
外形尺寸 Dimension	830×720×1250mm
重量 Weight	268kg

● Advanced Control System, Excellent separation

Ten kinds of Accel/Decel modes, can be selected or directly set up the time of Accel/Decel; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
Short running function, easy to diversification centrifugation. Proprietary SCT speed control technique, high efficiency. Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.

● High Safety, Ease of use

Rotor identification.
Over temperature, over speed, door and unbalanced protection.
Steel body, Stainless steel chamber, Steel Protective sleeve. Can take the rotor with aerosol-tight lid for use with hazardous samples.

● Friendly Display, Humanity Operate

Many pieces of LCD and LED display, the Program, Accel/Decel modes, RPM/RCF, Time, Temperature are all easy to set up.
Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, can be store and use 40 kinds of self-defining operating modes directly by user-self.

● Good parts, Reliable and longlasting

Brushless converter motor which has high torque, "SKF" supper speed bearing, Freon-free compressor from Europe. Aerospace rubber for damping, super-duralumin alloy from Aluminum Corporation of China Limited (CHALCO).

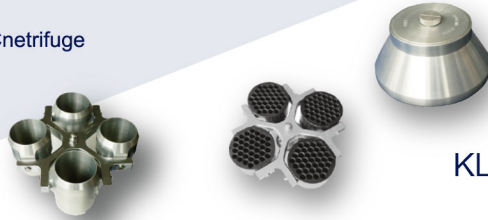
● 转子 Rotor

转子类型 Model	序号 Number	容量 Capacity	最高转速 Max Speed	最大相对离心力 Max Rcf	试管尺寸 (mm) Dimension of tube
角转子 Angle Rotor	No. 1	6×500ml	6000	6680×g	Φ74×168
	No. 2	6×300ml	6000	5650×g	Φ62×139
水平转子 Swing Rotor	No. 3	6×1000ml (圆杯) (roundness bucket)	4200	5100×g	Φ100×175
		6×1000ml (方杯) (rectangle bucket)	4200	5100×g	血站专用 12袋400ml血袋 12 pieces of 400ml blood bag

KL05RF

低速冷冻离心机

Low-Speed Refrigerated Cnetrifuge



KL05RF ▶



● 系统先进，离心效果好

10种升降速率选择或直接输入升降速时间，自定义离心参数，实现最优化离心
点动功能、短暂离心，便于多样化离心
专有的SCT转速控制技术，实现精准离心
专有的SBT软刹车技术，有效减少重悬，确保样品最大得率

● 安全性高，放心使用

超温、超速、门盖、不平衡等保护功能
钢制机身、不锈钢离心腔，钢制护套
可选配生物安全转子

● 界面友好，操作人性化

LCD、LED多屏显示，程序组、升降速、转速/离心力、时间、温度等参数单键设置无需组合键；
微电脑控制，运行参数自动记忆，可RCF直接启动，20种自定义工作模式直接调用

● 名优部件，经久耐用

大力矩无刷变频电机，SKF超高速轴承，欧洲进口无氟压缩机
航空橡胶减振，中国铝业超硬铝合金

● 技术参数

TECHNICAL PARAMETER

最高转速 Max Speed	5500r/min
最大相对离心力 Max Rcf	5310×g
最大容量 Max Capacity	3000ml
转速精度 Speed Accuracy	±50r/min
温控范围 Temperature Range	-20℃~+40℃
温控精度 Temperature Accuracy	±1℃
定时范围 Time Range	1-999min
电源 Power Supply	AC 220V 50Hz 20A
整机噪声 Noise	≤65dB
外形尺寸 Dimension	615×780×900mm
重量 Weight	190kg

● Advanced Control System, Excellent separation

Ten kinds of Accel/Decel modes, can be selected or directly set up the time of Accel/Decel; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
Short running function, easy to diversification centrifugation.
Proprietary SCT speed control technique, high efficiency.
Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.

● High Safety, Ease of use

Over temperature, over speed, door and unbalanced protection.
Steel body, Stainless steel chamber, Steel Protective sleeve.
Can take the rotor with aerosol-tight lid for use with hazardous samples.

● Friendly Display, Humanity Operate

Many pieces of LCD and LED display, the Program, Accel/Decel modes, RPM/RCF, Time, Temperature are all easy to set up.
Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, can be store and use 20 kinds of self-defining operating modes directly by user-self.

● Good parts, Reliable and longlasting

Brushless converter motor which has high torque, "SKF" supper speed bearing, Freon-free compressor from Europe.
Aerospace rubber for damping, super-duralumin alloy from Aluminum Corporation of China Limited (CHALCO).

● 转子

Rotor

转子类型 Model	序号 Number	容量 Capacity	最高转速 Max Speed	最大相对离心力 Max RCF(×g)	试管尺寸 (mm) Dimension of tube
角转子 Angle Rotor	No. 1	12×10ml	5000	3500×g	Φ16×81
	No. 2	4×100ml	5500	5310×g	Φ38×124
水平转子 Swing Rotor	No. 3	4×500 ml	4000	3580×g	Φ80×140
	No. 4	4×250ml	4000	3500×g	Φ64×112
	No. 5	148×7ml	4000	3200×g	Φ13×78
	No. 6	32×15ml	4000	2810×g	Φ16×114-118
	No. 7	8×50ml	4000	2810×g	Φ28×105-115
	No. 8	96×7ml	4000	2800×g	Φ13×78
	No. 9	80×5/7ml	4000	2800×g	真空采血管
	No. 10	6×500ml	4000	3890×g	Φ80×140
酶标转子 Microplate Rotor	No. 11	2×2×96孔holes	4000	2300×g	酶标板子 Microplate Rotor

KL05R / KL05A

台式低速高性能(冷冻)离心机

Table-Type Low-Speed High Performance (Refrigerated) Centrifuge



KL05R ▶

- 系统先进，离心效果好

10种升降速率选择或直接输入升降速时间，自定义离心参数，实现最优化离心
点动功能、短暂离心，便于多样化离心
专有的SCT转速控制技术，实现精准离心
专有的SBT软刹车技术，有效减少重悬，确保样品最大得率

- 安全性高，放心使用

全自动转子识别系统，无需选择转子号(KL05A不适用)
超温、超速、门盖、不平衡等保护功能
钢制机身、不锈钢离心腔，钢制护套
可选配生物安全转子

- 界面友好，操作人性化

LCD、LED多屏显示，程序组、升降速、转速/离心力、时间、温度等参数单键设置无需组合键；
微电脑控制，运行参数自动记忆，可RCF直接启动，40种自定义工作模式直接调用

- 名优部件，经久耐用

大力矩无刷变频电机，SKF超高速轴承，欧洲进口无氟压缩机（KL05A不适用）
航空橡胶减振，中国铝业超硬铝合金

- Advanced Control System, Excellent separation

Ten kinds of Accel/Decel modes, can be selected or directly set up the time of Accel/Decel; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
Short running function, easy to diversification centrifugation.
Proprietary SCT speed control technique, high efficiency.
Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.

- High Safety, Ease of use

Rotor identification.
Over temperature, over speed, door and unbalanced protection.
Steel body, Stainless steel chamber, Steel Protective sleeve.
Can take the rotor with aerosol-tight lid for use with hazardous samples.

- Friendly Display, Humanity Operate

Many pieces of LCD and LED display, the Program, Accel/Decel modes, RPM/RCF, Time, Temperature are all easy to set up.
Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, can be store and use 40 kinds of self-defining operating modes directly by user-self.

- Good parts, Reliable and longlasting

Brushless converter motor which has high torque, "SKF" supper speed bearing, Freon-free compressor from Europe.
Aerospace rubber for damping, super-duralumin alloy from Aluminum Corporation of China Limited (CHALCO).



KL05A ▶



技术参数
 Technical Parameter

型号 Model	KL05R	KL05A
最高转速 Max Speed	5500r/min	
最大相对离心力 Max Rcf	5310×g	
最大容量 Max Capacity	3000ml	
转速精度 Speed Accuracy	±20r/min	
温控范围 Temperature Range	-20℃~+40℃	/
温控精度 Temperature Accuracy	±1℃	/
定时范围 Time Range	1s-99h59min59s	1s-999min
电源 Power Supply	AC 220V 50Hz 18A	AC 220V 50Hz 15A
整机噪声 Noise	≤60dB	
外形尺寸 Dimension	800×700×400mm	540×460×390mm
重量 Weight	110kg	54kg

转子
 Rotorr

转子类型 Model	序号 Number	容量 Capacity	最高转速 Max Speed (r/min)	最大相对离心力 Max RCF(×g)	试管尺寸 (mm) Dimension of tube
水平转子 Swing Rotor	No. 1	4×50ml/100ML	5500	5310×g	Φ38×124
	No. 2	4×500ml/12×50ml/8×100ml	4000	3580×g	Φ80×140
	No. 3	4×250ml/8×50ml/36×10ml	4000	3500×g	Φ64×113
	No. 4	32×10ml/15ml	4000	2810×g	Φ16×85-118
	No. 5	8×50ml	4000	2810×g	Φ28×105-115
	No. 6	48×5ml	4000	2800×g	Φ14×54
	No. 7	148×7ml	4000	3080×g	Φ13×78
	No. 8	120×5/7ml	4000	3080×g	采血管
	No. 9	96×7ml	4000	2800×g	Φ13×78
	No. 10	80×5/7ml	4000	2800×g	采血管
酶标转子 Microplate Rotor	No. 11	2×2×96	4000	2300×g	酶标转子

KL04A/KL02A

台式低速离心机

Table-Type Low-Speed Centrifuge



KL04A ▶



- 系统先进，离心效果好

10种升降速率选择，自定义离心参数，实现最优离心

点动功能、短暂离心，便于多样化离心

专有的SCT转速控制技术，实现精准离心

专有的SBT软刹车技术，有效减少重悬，确保样品最大得率

- 安全性高，放心使用

全自动转子识别系统，无需选择转子号(KL02A不适用)

超速、门盖、不平衡等保护功能

钢制机身、不锈钢离心腔，钢制护套

可选配生物安全转子

- 界面友好，操作人性化

LED多屏显示，程序组、升降速、转速/离心力、

时间等参数单键设置无需组合键；

微电脑控制，运行参数自动记忆，可RCF直接启动，40种自定义工作模式直接调用

- 名优部件，经久耐用

大力矩无刷电机，SKF超高速轴承

航空橡胶减振，中国铝业超硬铝合金

- Advanced Control System, Excellent Separation

Ten kinds of Accel/Decel modes. User can set up the operating parameter by themselves, to achieve the best centrifugal result.

Short running function, easy to achieve diversification of centrifugation.

Proprietary SCT speed control technique, high efficiency.

Proprietary SBT soft brake control technique, to avoid mix up and ensure maximum specimen.

- High Safety, Easy of use

Rotor identification. (KL02A doesn't have this function)

Over speed, door and unbalance protection.

Steel body. Stainless steel chamber. Steel protective sleeve.

Can take the rotor with aerosol-tight lid for use with hazardous samples.

- Friendly Display, Humanity Operate

LED multiple display, the Programs, Accel/Decel modes, RPM/RCF, Time are all easy to set up.

Microprocessor control, operated data can be saved automatically, can start the instrument with RCF directly, can store and use 40 kinds of self-defining operating modes directly.

- Good parts. Reliable and longlasting

Brushless converter motor which has high torque, 'SKF' super speed bearing.

Aerospace rubber for damping, super-duralumin alloy from Aluminum Corporation of China Limited(CHALCO).



KL02A ▶



● 技术参数 Technical Parameter

型号 Model	KL04A	KL02A
最高转速 Max Speed	5000r/min	4000r/min
最大相对离心力 Max Rcf	4390×g	2200×g
最大容量 Max Capacity	800ml	12×15ml, 18×10ml
转速精度 Speed Accuracy	±20r/min	
定时范围 Time Range	1-999min	
电源 Power Supply	AC 220V 50Hz 15A	AC 220V 50Hz 10A
整机噪声 Noise	≤65dB	
外形尺寸 Dimension	540×460×390mm	430×350×280mm
重量 Weight	54kg	18kg

● KL04A 转子 KL04A Rotor

转子类型 Model	序号 Number	容量 Capacity	最高转速 Max Speed	最大离心力 Max RCF	试管尺寸 (mm) Dimension of tube
水平转子 Swing Rotor	No. 1	4×50/100ml	5000 r/min	4390×g	Φ38×124
	No. 2	32×10/15ml	4000 r/min	2810×g	Φ16×85-118
	No. 3	8×50/100ml	4000 r/min	2810×g	Φ28×105-115
	No. 4	40/48×5ml	4000 r/min	3500×g	采血管
	No. 5	24×10/15ml	4000 r/min	2810×g	Φ16×85-118
酶标转子 Microtiter plate Rotor	No. 6	2×2×96	4000 r/min	2300×g	酶标板 Microtiter Plate