TGL20MW台式大容量高速冷冻离心机
TGL20MW Table type Large Capacity High Speed Refrigerated Centrifuge

Features

- Use a brushless motor with high torque and variable frequency which is controlled by an SCM of Microchip's dsPIC30F series and driven by a special driver module of FAIRCHILD'S FSBB30CH Series to ensure the circuit's reliability.
- With multiple protection measures such as super speed,over heat and imbalance as well as a special combination of shock absorbers to keep the motor running smoothly.With triple protective layers of steel bushing to achieve secure and reliable operation as well as personnel and equipment safety.
- With TFT true-color LCD widescreen touch monitor featured by intelligent control, easy and convenient operation, a touch panel and a simultaneous indication of both the set parameters and operation ones.
- With a motor gate lock mute mechanical & electrical integration.
- Able to provide more than 20 kinds of operating modes for the user to programme and use freely.
- 10 levels for speed-up and speed-down control.
- Maximum rotation speed:20600r/min, Maximum capacity:4×300ml.

特性

- 采用大力矩无刷变频电机，控制采用Microchip公司的dsPIC30F系列单片机控制，电机驱动采用FAIRCHILD公司的FSBB30CH系列专用驱动模块，保证了电路的高可靠性。
- 设有超速、超温、不平衡等多种保护措施，特殊组合减震装置，使电机平稳运行。
- TFT真彩大屏幕触控液晶显示，智能化控制、简单方便地操作、触摸面板，同时显示设定参数和运行参数。
- 采用静音机电一体化电机门锁。
- 可提供20种以上工作模式选择，可自由编程、调用。
- 10档加速/减速速率控制。
- 最高转速：20600r/min，最大容量：4×300ml。

技术参数 Specification

型号 Model	TGL20MW
最大容量 Max Capacity	水平转子Swing bucket rotor 4×300ml
最高转速 Max Speed（r/min）	20600
最大离心力 Max RCF（×g）	29400
标配转子 Standard rotor	12×1.5/2.0ml
转速精度 Speed precision	±50r/min
制冷系统 Refrigeration system	进口无氟制冷压缩机组（R404a）Import fluoride-free compressor and control valve（R404a）
温控范围 Temp.control range	−20℃～+40℃
温控精度 Temp.precision	±1℃
运行程序 Operation programme	20
控制及驱动系统 Control and driver system	交流变频电机，微机控制，直接驱动Frequency motor，micro control，direct driver
总功率 Total power	1.8kw
定时范围 Timer range	0-99h59min
噪音 Noise	≤65dB
转子识别 Identify rotor	自动转子识别功能Autormatic
重量 Weight	110kg
外形尺寸 Dimension（L×W×H）	630×760×400mm

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TGL20MW Table type Large Capacity High Speed Refrigerated Centrifuge

型号 Model		容量 Capacity	转速 Speed (r/min)	离心力 RCF（×g）
角转子 Angle rotor		12×1.5/2.0ml	20600	29400
		24×1.5/2.0ml	14000	18180
		12×10ml	14000	18800
		8×15ml	12000	14800
		6×50ml	12000	13800
		8×50ml	10000	10500
		4×100ml	10000	10500
		6×100ml	11000	14520
水平转子 Swing bucket rotor		4×50ml	5000	4600
		4×100ml	5000	4800
		8×50ml	4000	2810
		32×15ml	4000	2810
		32×10ml	4000	2810
		48×5ml/2ml（真空采血管vacuum tube）	4000	2940
		76×5ml/2ml（真空采血管vacuum tube）	4000	3100
		4×250ml	4000	3290
适配器 Adaptor		8×50ml		
		4×6×15ml		
		4×8×10ml		
		4×10×5ml		
水平酶标板转子Swing micro-plate rotor		2×2×96 孔(holes)	4000	2360

可选配件 Optional fittings

12×1.5/2.0ml

24×1.5/2.0ml

12×10ml

8×15ml

6×100ml

4×250ml

32×15ml

8×50ml

4×100ml

酶标转子