



TLG-22M

FLOOR-STANDING HIGH SPEED REFRIGERATED CENTRIFUGE

Introduction

TOP INSTRUMENT Floor-Standing High Speed Refrigerated Centrifuge is a laboratory instrument used for separating and purifying biological samples such as cells, proteins, and nucleic acids. It is commonly used in a wide range of applications such as clinical diagnostics, pharmaceutical research, and biotechnology. The refrigerated feature ensures that the samples are not damaged by heat during the process.

Features

- **LCD Touch Screen**: The centrifuge features an LCD touch screen with a simple and clear interface. All parameters are easily visible, providing users with a comprehensive overview of the centrifuge settings at a glance.
- **Rotor Automatic Identification and Self-Priming Servo Door Lock**: The centrifuge is equipped with a rotor automatic identification system, and the self-priming servo door lock enhances user convenience. This automated process eliminates the need for manual bolt wrenches, ensuring safe and fast rotor handling.

- **Humanized Design for Convenient Operation**: The centrifuge is designed with user convenience in mind, allowing for direct digital input for parameter settings accurate to single digits. This humanized design streamlines the operation, making it safe and efficient.
- **Intelligent Status Prompt**: The instrument provides intelligent status prompts, offering real-time displays of its operational status. This feature enhances user awareness and ensures effective monitoring during centrifugation.
- **Large Storage Capacity**: The centrifuge has a large storage space capable of storing up to 100 program groups and 1000 usage records. This facilitates efficient record-keeping and enables users to store and retrieve a variety of centrifugation protocols.
- **Multi-Speed Gradient Centrifugation Programs**: Users can edit and save up to 5 sets of multi-speed gradient centrifugation programs, providing flexibility for different centrifugation requirements.
- **Time Display and Timing Options**: The time display includes year, month, day, hour, minute, and second, facilitating retrospective use records. The centrifuge offers two timing modes (hours:minutes and minutes:seconds) with optional timing and count-down modes.
- **Speed and Centrifugal Force Curves**: During operation, the centrifuge displays speed, centrifugal force, and temperature curves on the same screen. This graphical representation allows users to observe the relationship between these variables.
- **Password Lock Function**: The centrifuge features a password lock function, enabling users to set a password to lock the host or specific parameters. This adds an extra layer of security to prevent unauthorized access or misoperation.
- **22 Protection Functions**: The centrifuge incorporates 22 protection functions, including door cover, overspeed, overtemperature, overpressure, and overheating protection. Sound and text prompts accompany these protections, ensuring stability and reliability during operation.
- **Electronic Manual**: Equipped with an electronic manual, users have easy access to information, contributing to a hassle-free and informed operation.
- **High-Torque Variable Frequency Motor**: The centrifuge utilizes a high-torque variable frequency motor with a flexible shaft drive for smooth operation. The three-stage vibration reduction system enhances the centrifugal effect.
- **Imported Fluorine-Free Compressor Unit**: The centrifuge is equipped with an imported fluorine-free compressor unit and a double-loop control system for accurate temperature control, ensuring precise and consistent results.
- **ECO Energy-Saving Module (Optional)**: An optional ECO energy-saving module allows users to choose an energy-efficient mode, promoting sustainability and reducing environmental impact.

Technical Parameter

Maximum speed	22000 r/min
Max. RCF	50685*g
Maximum capacity	6*500ml (10000rpm)
Speed accuracy	± 10 r/min
Temperature control accuracy	± 1℃
Temperature setting range	-20℃ ~ 40℃
Timing range	1min~99H59 min
Noise	≤ 65dB (A)
Power supply	AC 220V 50HZ 32A
Power	5KW
Dimensions	850*730*930(L*W*H)mm
Weight	260kg

Technical Parameter

Rotor	Capacity	Max. Speed	Max. RCF
No. 1 Angle rotor	16*10ml	22000rpm	50685*g
No. 2 Angle rotor	24*1.5ml/2.2ml	21000rpm	43960*g
No. 3 Angle rotor	6*50ml round bottom	20000rpm	44800*g
No. 4 Angle rotor	8*50ml round bottom	18000rpm	38460*g
No. 5 Angle rotor	6*100ml	16000rpm	30910*g
No. 6 Angle rotor	8*100ml	12000rpm	19830*g
No. 7 Angle rotor	4*300ml	14000rpm	28150*g
No. 8 Angle rotor	6*300ml	12000rpm	24110*g
No. 9 Angle rotor	6*500ml	10000rpm	18590*g
No. 10 Enzyme labeled horizontal rotor	2*3*96 holes	4000rpm	1970*g
No. 11 Horizontal rotor	4*50ml	10000rpm	16200*g
No. 12 Horizontal rotor	4*30ml	13000rpm	23800*g
No. 13 Horizontal rotor	4*4*5ml	12000rpm	11900*g

Rotor Details

NO.T.16.010A		NO.T.24.001.5/002.2A	
NO.T.06.050A		NO.T.08.050A	
NO.T.06.100A		NO.T.08.100A	
NO.T.04.300A		NO.T.06.300A	
NO.T.06.500A		NO.T.02.03.96H	
NO.T.04.050H		NO.T.04.030H	
NO.T.04.04.05H			