

**Features:**

1. Smaller footprint, saving valuable laboratory space;
2. Rotor automatic identification and imbalance detection to ensure centrifugation safety;
3. Separate flash momentary centrifugal button, that is, press and turn;
4. Electric suction double door lock design, the door cover can be quickly closed with a single touch, quieter and safer;
5. The centrifugal door cover is supported by double air rods to make the opening and closing of the door smoother and the opening height lower;
6. A variety of shutdown music ringtones, the duration of the music and the prompt tone can be adjusted to make the experiment more comfortable;
7. The display interface supports switching between Chinese and English menus;
8. Extensive selection of rotors and adapters, suitable for all commonly used centrifuge tubes;
9. 10 custom stored programs/5 shortcut stored programs on the panel call, more convenient and fast;
10. The centrifuge cavity is coated with Teflon to resist the centrifugation of highly corrosive samples;
11. The sealing ring of the door cover is molded with imported gas-phase glue, which meets the long-life use and has a better sealing effect;
12. 5-inch IPS full-viewing angle 16 million chroma true-color LCD display with adjustable brightness, which fully meets health demands;
13. External USB2.0 interface is convenient for system upgrade and experimental data download;
14. Built-in startup timing and stable timing can effectively calculate the centrifugal efficiency;

Specification

Model	M18G
input power	AC 220V / 50~60Hz
input power	500 W
Maximum capacity	400 ml (100ml×4)
range of rotation	200 ~ 18000rpm / increase 10rpm
speed accuracy	± 20rpm
relative centrifugal force	23470×g / step increase 10×g
drive motor	Maintenance-free brushless variable frequency induction motor
Effective centrifugation time	1-99 hours/1-59 minutes/1-59 seconds; three modes are optional; accuracy ±1 second
drive control system	Infineon Vector Sine Wave Driver
Display method	5-inch IPS full viewing angle 16 million chroma true color LCD display/resolution 800×480dpi
control method	Physical button + knob
stored program	10 built-in stored programs / 5 panel shortcut program calls / equipped with NORMAL buttons
Door lock method	Electric control automatic suction double lock
Fastest acceleration time [sec]/up gear	18s/9 block
Fastest deceleration time [sec]/downshift	20s/10 gears, 0 gear free stop
Dimensions: length x width x height	500mm×390mm×330mm
Weight (without rotor)	35kg
Noise level at maximum speed (≈)	≤ 65dB(A)
degree of protection	IP20
Allowable ambient temperature /relative humidity	+5 ~ 40 °C / 80%
Interference Suppression Standard	EN 61010-1, EN 61010-2-020, EN 61326-1, EN 61010-3-2/A2

Ordering Information

Part No.	Product number
M.01.013	M18G High Speed Centrifuge with Standard rotor 18G A-8
L.02.003	18G A-1 Angle rotor/rotor cover 1.5/2ml×24 holes
L.02.004	18G A-2 Angle rotor/rotor cover 1.5/2ml×36 holes
L.02.005	18G A-3 Angle rotor/rotor cover 0.5ml×36 holes
L.02.006	18G A-4 Angle rotor/rotor cover 5ml×12 holes
L.02.007	18G A-5 PCR Tube Rotor/Rotor Cover 0.2ml×8 Wells×4 Rows
L.02.008	18G A-6 Angle rotor/rotor cover 15ml×8 holes
L.02.009	18G A-7 Angle rotor/rotor cover 50ml×6 holes+2.2ml×6 holes
L.02.010	18G A-8 Angle rotor/rotor cover 100ml×4 holes
L.02.011	18G A-9 Angle rotor/rotor cover 10ml×12 holes
L.02.001	18G A-10 Angle rotor 1.5/2.2ml×12 holes
L.06.003	18G-A-1.1 Conversion adapter 0.2ml×12pcs
L.06.004	18G-A-1.2 Conversion adapter 0.5ml×12pcs

Rotors



18G A-1

 1.5/2ml

 1.5/2ml×24孔

 16000rpm

 23470×g



18G A-2

 1.5/2ml

 1.5/2ml×36孔

 14000rpm

 17970×g



18G A-3

 0.5ml

 0.5ml×36孔

 15000rpm

 16350×g



18G A-4

 5ml

 5ml×12孔

 16000rpm

 18890×g



18G A-5

 0.2ml×8孔

 0.2ml×8孔×4排

 14800rpm

 16200×g

 PP



18G A-6

 15ml

 15ml×8孔

 13000rpm

 17570×g

 PP



18G A-7

 50/1.5ml

 50ml×6孔+1.5ml×6孔

 12000rpm

 14750×g

 PP



18G A-8

 100ml

 100ml×4孔

 12000rpm

 15940×g

 PP



18G A-9

 10ml

 10ml×12孔

 13000rpm

 15315×g

 PP



18G A-10

 1.5/2ml

 1.5/2ml×12孔

 18000rpm

 22530×g



18G-A-1.1

 0.2ml

 A-1/A-2/A-10

 PP:



18G-A-1.2

 0.5ml

 A-1/A-2/A-10

 PP



18G-A-1.3

 15ml

 A-7

 PP: