



Features:

1. Adopt advanced and reliable Infineon vector sine wave drive control system, which can accurately control the speed, time and relative centrifugal force;
2. Brushless and maintenance-free variable frequency induction motor, wider speed range 100-6000 rpm, accuracy ± 15 rpm;
3. Centrifugal speed and centrifugal force can be adjusted in steps of 10rpm/10 \times g, time control: 1-99 minutes or 1-59 seconds, accuracy ± 1 second/instantaneous centrifugation (flash), press and hold to achieve fast and convenient centrifugation, Automatic memory of the last experimental value;
4. High-strength host and rotor materials, can resist various chemical corrosion, with sealing performance and unlimited high-temperature disinfection function;
5. Stainless steel cavity, strong structure, suitable for continuous use, electronic door Lock, easy to open the cover, automatic lock cover to ensure the safety of the experiment;
6. Single large-size LED high-brightness digital liquid crystal display, clear and clear operating parameters, separate Speed/Rcf parameter setting and mutual conversion buttons, convenient for quick adjustment and real-time viewing during operation Relative centrifugal force;
7. Real-time display of speed up and down is more convenient and quick to adjust, fully meeting various centrifugal needs;
8. Single-button rotary control, you can quickly change parameters;
9. With door cover protection, overspeed, overvoltage and current. The balance detection system can monitor the centrifugation process in real time to ensure the safe operation of the instrument. When the operation ends, errors or imbalance occur, the sound signal prompts, and the operation stops at the same time, and the LED displays the result code;
10. Forced ventilation and cooling and excellent air heat exchange technology, significantly and effectively reduce the temperature rise of the rotor to ensure that the sample is not damaged, and automatically open the centrifuge door cover after centrifugation to prevent the sample from overheating and facilitate taking and placing the sample;
11. There is an isolation layer outside the centrifugal chamber, which can fully absorb noise, reduce vibration, and give the experimenter a sense of tranquility;

Specification

Product Name	M400D
Input Voltage	AC 120 - 230V / 50~60Hz
Input Power	420W
Max Load capacity	400ml (50ml × 8 / 100ml × 4)
Speed range	100 ~ 6000 rpm / Speed increment 10rpm
Max RCF [×g]	5150 / RCF increment 10×g
Centrifugation Time	1 – 9 hours / 1 – 99 minutes / 1 – 59 seconds; 2 mode selectable Accuracy ± 1 seconds
Drive motor	Brushless frequency induction motor with free of maintenance
Display show type	Highlight full segment LED display
The noise of Maximum speed (≈)	≤ 58dB(A)
Maximum deceleration [sec]	10 s
Maximum deceleration[sec]	15 s
Interference suppression standard	EN 61010-1,EN 61010-2-020,EN 61326-1,EN 61010-3-2/A2
Dimension (D x W x H)	390 × 500 × 320 mm
Weight Kg	30

Ordering Information

Part No.	Descriptions
M400D-15090	M400D Low speed centrifuge with Standard rotor M400D-S-1
M400D-15091	M400D-S-1 (Rotor stand/Suitable for M400D-S-2 ~ M400D-S-7 Basket)
M400D-15092	M400D-S-2 (Basket /100ml×4 holes)
M400D-15093	M400D-S-3 (Basket /50ml×4 holes)
M400D-15094	M400D-S-4 (Basket /50ml×8 holes)
M400D-15095	M400D-S-5 (Basket/8/10ml×16 holes)
M400D-15096	M400D-S-6 (Basket/15ml×16 holes)
M400D-15097	M400D-S-7 (Basket/5ml×24 holes)
M400D-15098	M400D-AP-8 (Adapter 3ml×24pcs/standard M400D-S-7)
M400D-15099	M400D-S-9 (Micro well Plate4 ×2×96 Deep well Plate2 ×2×96)
M400D-150910	M400D-A-10 (Angle rotor /15ml×12 holes)

Rotors

				
M400D-S-1	M400D-S-3	M400D-S-2	M400D-S-4	M400D-S-5
Max. Speed: 5000rpm	: 50ml : 50ml×4	: 100ml : 100ml×4	: 50ml : 50ml×8	: 8ml/10ml : 8/10ml×16
Max .Rcf: 4135×g	Max. Speed:5000rpm Max .Rcf:4135×g	Max. Speed:5000rpm Max .Rcf:4108×g	Max. Speed:4000rpm Max .Rcf:2720×g	Max. Speed:4000rpm Max .Rcf:2557×g
				
M400D-S-6	M400D-S-7	M400D-AP-8	M400D-S-9	M400D-S-10
: 15ml : 15ml×16	: 5ml : 5ml×24	: 3ml : 3ml×24	4 : ×2ml×96; 2 : ×2ml×96;	: 15ml : 15ml×12
Max. Speed:4000rpm Max .Rcf:2790×g	Max. Speed:4000rpm Max .Rcf:2540×g	Max. Speed:4000rpm Max .Rcf:2075×g	Max. Speed:3500rpm Max .Rcf:2190×g	Max. Speed:6000rpm Max .Rcf:5150×g