

KJLC-I



KJLC-I centrifuge

Brief Introduction:

© KJLC-I Centrifuge equips with brushless DC motor and microcomputer. It has LCD display, standardly equipped rotor, time setting function and features like step less speed change, etc. It's the ideal equipment applicable for clinic test, biochemistry, immunology, etc. which is mostly chosen by the in an institution like medical health, food, environment, scientific research, teaching and biochemical test, etc.

Features:

1. Outstanding performance:

- © CPU precise controlling, high-performance brushless DC motor, maintenance free.
- © Highly accurate speed control.
- © Timing begins after speed steady to guarantee a more precise centrifuge time.
- © Two kinds of acceleration curves, three kinds of deceleration curves, free match and combinations between acceleration and deceleration, makes the specimen separation better.

2. Reliable safety:

- © Full 304 stainless steel made rotor chamber guarantees much more safety for the rotor running.
- © Closed centrifuge chamber can much reduce biological contamination risk.
- © Aluminum material rotor ensures long service life.
- © Four important safety functions: Lid interlock, monitor for lid open/close condition, over-speed protection, automatic internal diagnosis, which can highly protect operation staff and the centrifuge.

3. Humanized design:

- © Time and speed display simultaneously, convenient for monitoring the running condition of the centrifuge.
- © Three kinds of operating mode: 10s-99min59s timing, continuous run, and short run.
- © G-force (RCF) and speed (RPM) switch displayed, convenient for reading.
- © 10 groups operating parameter memory makes the working efficiency highly improved.
- © Quiet running with noise lower than 65dB.

Technical Data:

Rated speed: 300-4500rpm, increment: 10rpm / 100rpm (fast turning the SPEED dial)

Maximum RCF: Rotor 1 : 2558×g increment: 10×g / 100×g (fast turning the SPEED dial)

Rotor 2 : 2200×g increment: 10×g / 100×g (fast turning the SPEED dial)
 Speed accuracy: ±20rpm
 Maximum capacity: 240ml
 Running mode: timing / continuous / short
 Timing range: 10s-99min59s increment: 1S/1min(fast turning the SPEED dial)
 Rotor type: 12-bore angle rotor / 24-bore angle rotor
 Safety function: Lid interlock, monitor for lid open/close condition,
 over-speed protection, automatic internal diagnosis
 Driving motor: Brushless DC motor
 Input power: 300W
 Output power: 94W
 Input voltage: Single-phase AC100-240V (50-60Hz)
 Noise level: <65dB
 ACC/DEC: Acceleration: Fast(Accelerate to Max. speed < 23S)
 Slow(Accelerate to Max. speed < 66S)
 Deceleration: Fast(Decelerate to stop < 23S)
 Slow(Decelerate to stop < 66S)
 Normal (according to the specimen mass)
 Dimension: 450×340×230mm
 Net weight: 10kg

Rotor:

Rotor NO.	Rotor Description	Tube Specifications	Tube Quantity	Tube Size (diameter×length)	Max. Speed	Max. RCF	Adapter Size (diameter×length)	Accessory (Rubber Cushion)
1	24-Bore Angle Rotor	8.5-10ml (Test tube)	24	Ø16 × 107 mm	4500rpm	2558 ×g	Ø16×85mm	—
		4-7ml (Test tube)	24	Ø13 × 106 mm		2558 ×g		—
		1.5-5ml (Test tube)	24	Ø13 × 82 mm		2264 ×g		23mm
		4-7ml (Test tube)		Ø16 × 75 mm				
2	12-Bore Angle Rotor	8.5-10ml (Test tube)	12	Ø16 × 107 mm	4000rpm	1968 ×g	Ø17×105mm	23mm
		4-7ml (Test tube)	12	Ø13 × 106 mm		1968 ×g		23mm
		1.5-5ml (Test tube)	12	Ø13 × 82 mm		1681 ×g		48mm
		15ml (Culture tube)	8	Ø17 × 120 mm		2200 ×g		—



24-bore angle rotor, Ø16×85 colour adapter



12-bore angle rotor, Ø17×105 adapter



48mm Rubber cushion



23mm Rubber cushion