

Universal Centrifuge

PLC-036H (Brushless)

Quality Leader

GMDN Code 36465

PLC-036H

- **Brushless drive motor, RoHS**
- **RPM / RCF conversion automatically**
- **Universal voltage 100 ~ 240V, 50/60Hz**
- **Power stabilizer: 88V ~ 264V preventing power surge accidently**
- **General Purpose and also available for PRP & PRF purpose**
- **Rotor recognized function for an accurate RCF**



PLC-036H

Intended use :

Clinical or other purpose. Used mainly in the clinical laboratory to separate the Components of suspensions through low-or-medium-speed centrifugal force. If relevant, all levels of health care with laboratory. Ideal use in clinical laboratory, histology, haematology, immunology, microbiology, pathology, serology and toxicology.

Features & Technical Data

- User-friendly design with
- ERROR detection including rotor imbalance detection & alarm
- Electronic interlocking lid safety device
- Versatile rotors for selection, interchangeable.
- Automatic braking system at the end of run. Emergency STOP
- Microprocessor-based control system
- Stainless steel interior chamber
- Unless lid is locked, the motor can't spin.
- Overheating sensor detects temperature of motor and driver.
- A transparent viewfinder on top easy for you to monitor the rotor spinning.
- Module microprocessor-based circuit board ensures excellent performance and easy for maintenance.



PLC-036
(Brush drive motor)

Specifications :

Overall dimension	320 x 400 x 310mm approx. (±5mm)
Net weight (±0.5kg)	17.5 kg (or 38.5 lbs.) approx.
Motor Drive	Brushless, DC24V, 153W, (PLC-036H)
	Brush, AC, 100W (PLC-036)
Chamber	Stainless steel easy for cleaning
Rotor type	Various (Interchangeable)
Speed indicator	LED digital
Speed control	Microprocessor
Timer	2-digits, 99 min. LED digital
Power source	Universal 100V ~ 240V, 50/60HZ (PLC-036H)
	115V/60Hz or 230V/50Hz (PLC-036)

Speed (rpm)	1000 ~ 15,000rpm (PLC-036H) 0 ~ 12000rpm (PLC-036)
Imbalance detection	Yes, alarm & brake
RPM / RCF conversion	Yes, (PLC-036H)
Brake	Automatic braking system
Safety interlocking lid	Yes
Lid open override device	Yes, in case of power failure
Overheat alarm	Yes
Emergency STOP	Yes, lid lock release
Safety shutout device	Yes, when lid is open
ERROR detection	Yes (5 Errors)

Rotor ordering information

Rotor	Tubes x No.	Suggested Max RPM / RCF
A-1820	1.5ml (or 2.0ml) x 18	14,000 rpm / 16,083 xg
A-2420	1.5ml (or 2.0ml) x 24	15,000 rpm / 20,630 xg
A-3202	0.2ml x 32 (micro-plate)	15,000 rpm / 15,659 xg
A-0815	15 (or 10)ml x 8 tubes	5,000 rpm / 2,929 xg
A-1215	15 (or 10)ml x 12 tube	5,000 rpm / 3,172 xg
A-2405	5 ml x 24 tubes	5,000 rpm / 2,865 xg
H-0450	50 ml x 4 tubes	5,000 rpm / 3,284 xg
A-1550	(50 ml + 15ml) x 4 tubes	4500 rpm / 2513 or 2490 xg
F-2415 (for HCT)	0.75ml x 24 tubes 24 Capillary tubes	12,000 rpm / 14,490 xg

NOTE: All measurements are subject to tolerance within range ±5%

