

Universal Centrifuge

PLC-036 series

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 accidentally
- General Purpose and also available for PRP & PRF purpose
- ISO9001, ISO13485, CE marking, GMP, USFDA certified



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)

Specification:

| | |
|-------------------|---|
| Overall dimension | 320 x 400 x 310mm approx. |
| Net weight | 17 kg (not include rotor) or 43.18 lbs. |
| 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 x g |
| F-2415 (for HCT) | 0.75ml x 24 tubes 24 Capillary tubes | 15,000 rpm / 22,640 xg or 12,000 rpm / 14,490 x g 13,000 rpm / 17,005 x g |

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



GEMMY INDUSTRIAL CORP. (Manufacturer & Exporter)
7F. No. 106, Min Chuan West Road, Taipei, Taiwan
Tel: 886-2-25531456; Fax: 886-2-25538389, 25573218
Email: gemmy888@gemmy.com.tw; gemmy888@ms14.hinet.net
Http://www.gemmy.com.tw



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