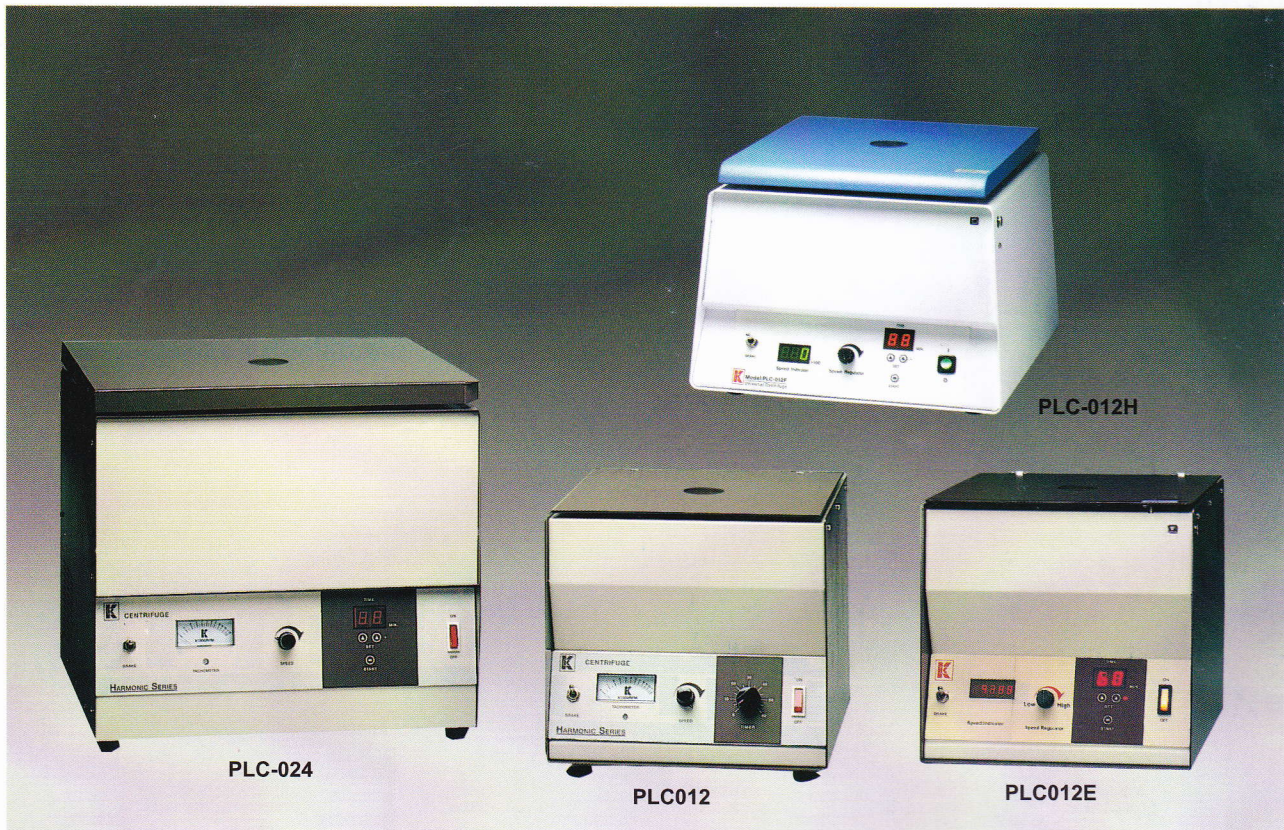


Universal Centrifuge



Specifications:

Code	PLC-012	PLC-012 E	PLC-012 H	PLC-024
Dimension	310 x 360 x 310mm	310 x 360 x 310mm	400 x 395 x 330mm	445 x 450 x 415mm
Net weight	15 kg (33 Lbs) (not include rotors)	15.6kg (34.3 Lbs) (not include rotors)	19 kg (41.8 Lbs.) (not include rotors)	26 kg (57.2 Lbs.) (includes rotor)
Tachometer	Analog gauge	Digital	Gauge / Digital	Analog gauge
Timer	Mechanical 60 or 180 min	Digital 99 min.	Digital 99 min.	Digital 99 min.
Speed control	Analog	Microprocessor	Microprocessor	Microprocessor
Safety lid lock	Yes	Yes	Yes	Yes
Brake	Electrical switch	Electrical switch	Electrical switch	Electrical switch
Safety shutdown	Yes	Yes	Yes	Yes
Chamber	Stainless steel	Stainless steel	Stainless steel	Aluminum
Speed range	0 – 12000 rpm	0 – 12000 rpm	0 – 12000 rpm	0- 3600 rpm
Motor	Brush 80W	Brush 80W	Brush 80W	Brush 250W
Chamber	Stainless steel	Stainless steel	Stainless steel	Aluminum
Quality standard	ISO9001/13485, GMP CE Marking, FDA	ISO9001/13485, GMP CE marking, FDA	ISO9001/13485, GMP CE marking, FDA	ISO9001/13485, GMP CE marking, FDA

Technical Data:

- PLC-012 series provides versatile rotors that allow you to process different applications and save your cost.
- Swing-out (horizontal) rotor No. S-0815 is applied to PLC-012H only.
- Variable speed control for all purposes sustains to separate substances, remove moisture or simulate gravitational effects.
- Tachometer indicates the rotational speed from 0 to the maximum depending on the rotors.
- Detachable rotor chamber easy for clean and maintenance.
- Efficient high torque electrical brush motor accelerates to the maximum speed in short time.
- Air intake holds in the cap help keep centrifuge cool during the extended use.
- During cabinet in constructed of heavy gauge steel with powder coating ensures scratch free and erosion free.
- Safety locking latch and inter switch shut off motor automatically when lid is opened during spinning, and also prevents the unit from starting accidentally while loading.
- Rotor changes are fast and simple with the quick-release rotor nut with an attached hexagon wrench.
- Modular electronic circuit easy for handling and maintenance.
- Flexible and impact rubber fitting balance the rotor automatically.
- Manual electric braking system. Brake to the complete stop within 15 – 20 seconds.

Rotors (Ordering information) :

Available for: **PLC-012, PLC-012E, PLC-012 H**

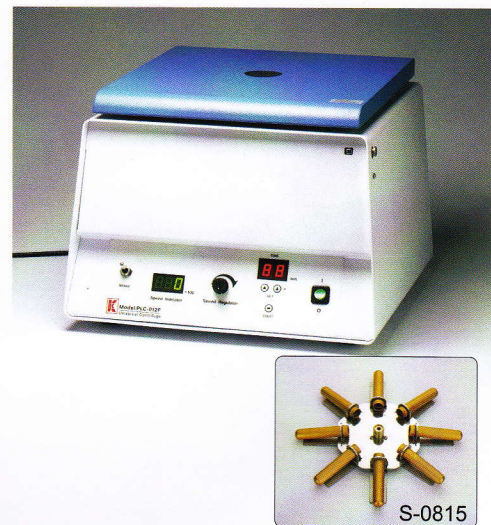
Rotor number	Capacity (ml)	Max RPM / RCF	Max RPM/ RCF	Suggested tubes
		PLC-012, 012E	PLC-012 H	
A-0815	8 x 15 (or 10)	6400rpm / 4900 x g	7280 / 6251	16x100 or 17x120mm
A-1215	12 x 15 (or 10)	5700 / 4180	6745 / 5773	16x100 or 17x120mm
A-2405	24 x 5.0ml	6400 / 4715	7525 / 6490	12 x 75ml, round bottom
A-2415 Eppendorf	24 x 1.5ml	7200 / 4640	10960 / 10945	1.5ml microtubes
A-6006 Eppendorf	60 x 0.6ml	8300 / 6160	9300 / 7880	0.6ml microtubes
F-1615 Eppendorf	16 x 1.5ml	11000 / 12175	11215 / 12655	1.5ml microtubes
F-2406 Eppendorf	24 x 0.6ml	11000 / 12175	11270 / 12780	0.6ml microtubes
F-2415 (capillary)	24 x 0.75ml	12000 / 14490	12000 / 14490	Capillary tube
H-0450	4 x 50ml	5000 / 3500	6830 / 6128	30 x 115mm
S-0815 swing out	8 x 15ml.	N/A	6170 / 6256	17 x 120mm round bottom

Rotors available for: **PLC-024, PLC-012H**

Rotor number	Capacity (ml)	Max RPM / RCF	Suggested tubes	Applied model
H-1050	10 x 50ml	3700 / 2668	29 x 115mm	PLC-024
H-2415	24 x 15ml	3600 / 2890	17 x 120mm	PLC-024
S-0815 swing out	8 x 15ml	6170 / 6256	17 x 120mm	PLC-012H

Note:

- **F-2415** : Accommodated with 24 capillary tubes of 1.2mm (O.D.) x 75mm (L.) for Haematocrit testing.
- **PLC-012H** : Larger chamber to drive a higher RPM & RCF than PLC-012 when the same rotor is used.
- All measurements are approximated which may be varied.
- The above RPM and RCF fall into a 10% allowance subject to the stabilization of power source.



Quality Standards:

- These centrifuges are classified as "Class I" equipment, which complies with the actual required safety standards in accordance with LVD 73/23 EEC.
- The Centrifuges complies with the title EN standards of EN60601-1:1990 and IEC-801.
- EMI filter is designed in conformity with 89/336 EEC-EMC Directive.

Remarks:

In order to keep improving the functions and applicability any time, the manufacturer reserves the right to change the specifications and technical data without advanced notice.



CE FDA

