

HORIZON

614M



CLINICAL CENTRIFUGE, 12VDC CENTRIFUGE
6 TUBES, MOBILE, FIXED-ANGLE
HIGH-QUALITY ANALYTICAL RESULTS

OVERVIEW

The Model 614M is our most affordable fixed-angle, mobile centrifuge. The performance of the 614M reduces patient redraw by providing a quality, stable gel layer and by maximizing sample integrity. Using high performance engineering materials and an advanced cooling system, the 614M pairs high-quality fixed-angle separation with mobility.

APPLICATIONS

The Model 614M is a continuous-duty centrifuge designed for chemistry, coagulation, and general purpose. With this mobile centrifuge, it is possible to process blood samples immediately after collection rather than having to return to a lab, making it ideal for traveling nurses.

FIXED-ANGLE VS HORIZONTAL CENTRIFUGATION

Fixed-angle centrifuges, although less expensive, produce gel layers that may be susceptible to rupture during transport. These damaged samples cannot be used without an additional centrifugation step; yet, the CLSI recommends against re-centrifugation for its known negative effects on analytical results. For better gel layer formation, please consider horizontal centrifugation with the Model 642M. The 642M utilizes patented rotor technology to reduce blood processing time by 33% while guaranteeing reproducibility, regardless of location.

FEATURES

- Mechanical Timer:** Set between 1 and 30 minutes, allowing for range of applications
- Tube Sizes:** 0.5 mL to 15 mL; up to 17 mm x 125 mm
- Brushless DC Motor:** Smooth operation with no routine maintenance
- Quiet Operation:** A double-encased motor, paired with the "stability mount" design provides excellent imbalance stability
- Cool Operation:** Unique air-flow design cools the rotor chamber and motor with ambient air; protecting your samples and maximizing sample integrity
- Fixed-Angle Rotor:** Fixed-Angle separations for up to six (6) tubes

SAFETY

- Safety Lid Switch:** Prevents centrifuge from operating unless the lid is closed and latched
- Positive Lid Latching:** Firm mechanical latching of the lid prevents the escape of debris in case of tube breakage
- Clear Shatter Proof Lid:** Allows for safe sample observation, optical calibrations, and access for photo tachometer
- Reinforced Side Walls:** Glass fiber reinforced nylon & high-impact polycarbonate provide dual layers of protection

614M CENTRIFUGE SPECIFICATIONS

CATALOG NUMBER: 00-080-009-000

General

Overall Dimensions Height 8.75 in. (22 cm)
 Width 11.75 in. (30 cm)
 Depth 14.0 in. (36 cm)

Weight 11 lbs. (5 kg)

Timer Mechanical, 1 to 30 minutes

Acceleration Time 10 seconds

Deceleration Time 15 seconds

Noise at 3 ft. 55 db

Speed 3,750 (± 175) RPM with 125 mm black tube holders
 3,750 (± 175) RPM with 75 - 100 mm blue tube holders

Force 1,700 xg with 125 mm black tube holders
 1,600 xg with 75 - 100 mm blue tube holders

Electrical


Voltage 12 (± 2) Volts

Frequency DC

Max. Power Requirements 90 Watts

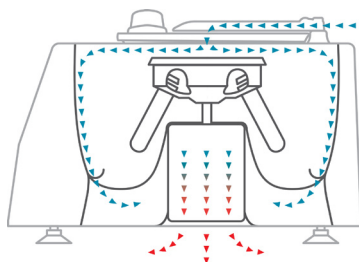
Centrifuge Motor 1/30 H.P. DC

Parts Included	QTY Included	Part Number	COMMENTS
 6 Place Fixed-Angle Rotor	1	7786047	For use with 75 mm, 100 mm, and 125 mm tubes
 125 mm Tube Holder	6	7713032	For use with 17 x 125 mm tubes
 75 - 100 mm Tube Holder	6	7713079	For use with 75 - 100 mm tubes (3 mL - 10 mL)

Optional Accessories	QTY Included	Part Number	COMMENTS
 SmartView™ Platform	Available as an accessory	00-079-009-001	Tilts the centrifuge forward for better view and easier reach inside without loss of g-force.

Cool Operations

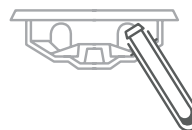
Unique design of the motor housing and rotation chamber allows for cool operation even under the heaviest workloads



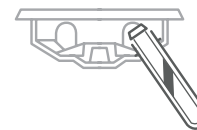
Fixed-Angle Rotor Included

Used for spinning 75 mm, 100 mm, and 125 mm test tubes in specially designed tube holders

Loading Angle



Rotation Angle



Warranty

The Drucker Diagnostics warrants that this centrifuge is free from defects in workmanship and parts for 2 years.



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