

HORIZON



614M

CAT.# 00-080-009-000

12VDC MOBILE CENTRIFUGE FOR MOBILE FIXED-ANGLE PROCESSING

- FIXED-ANGLE CENTRIFUGATION
- 6 TUBE CAPACITY
- MECHANICAL TIMER
- SINGLE SPEED
- 3,850 MAX RPM
- 1,600 XG MAX RCF

OVERVIEW

The Model 614M is our most affordable fixed-angle, mobile centrifuge. With a preset g-force of 1,600 xg and a mechanical timer, this centrifuge offers timing flexibility at a fixed g-force. A 12VDC plug allows the unit to be powered by a 12V outlet when other power options are not available.

APPLICATIONS

The 614M fixed-angle is designed for chemistry and coag processing where the specimen will not be trans-

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.

FEATURES

Mechanical Timer: Adjustable between 1 and 30 minutes

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

Electrical

Voltage..... 12-24 Volts DC
 Max. Power Requirements 100 Watts
 Over Current Protector Fused - 15 Amps
 Centrifuge Motor 1/30 H.P. DC

Maximum Speed

6-Tube Fixed Angle Rotor 3,850 RPM



General


Overall Dimensions Height 8.75 in. (22 cm)
 Width 11.75 in. (30 cm)
 Depth..... 14 in. (35.5 cm)
 Weight 11 lbs. (5 kg)
 Timer Mechanical, 1 to 30 minutes (\pm 10%)
 Max. Acceleration Time 30 seconds
 Max. Deceleration Time..... 40 seconds
 Noise at 3 ft..... 55 db

Maximum Force

6-Tube Fixed Angle Rotor 1,600 xg

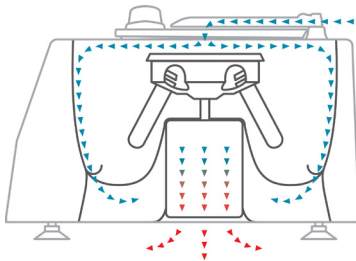
Preset to 10 minutes at 3,850 RPM/1,600 xg
 Also available with horizontal rotor.

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
 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

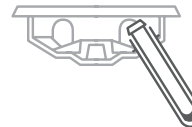
Unique design of the motor housing and rotation chamber allows for cool operation even under the heaviest workloads



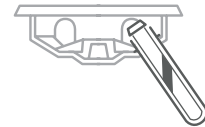
Fixed-Angle Rotor Included

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

Loading Angle



Rotation Angle



Warranty

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