

# HORIZON

## 642M

CAT.# 00-077-009-000



### 12VDC HORIZONTAL CENTRIFUGE FOR MOBILE SAMPLE PROCESSING

- HORIZONTAL CENTRIFUGATION
- 6 TUBE CAPACITY
- ELECTRONIC TIMER
- SINGLE SPEED
- 3,400 MAX RPM
- 1,600 XG MAX RCF

## OVERVIEW

The Model 642M is the mobile version of the world's best selling horizontal clinical centrifuge. Running from a vehicle's 12V electrical supply, the 642M provides horizontal centrifugation as recommended by the CLSA and all blood collection tube manufacturers. With a single pre-set speed and runtime (10 minutes at 4,300 rpm/1,600 xg) to spin the most common chemistry tubes, the 642M is the choice for mobile centrifugation needs.

## APPLICATIONS

This centrifuge delivers pre-analytic processing of chemistry specimens in a mobile environment. Horizontal centrifugation prepares samples appropriately for transportation, allowing mobile phlebotomists to run more logical routes without having to return to a central lab for centrifugation between draws and facilitating centrifugation when standard power is not available.

### FEATURES

**Factory Set Electronic Timer:** Preset to 10 minutes, preset can be adjusted from 1 - 30 minutes

**Capacity:** Up to six (6) 17 mm x 100 mm tubes

**12 Volt DC Motor:** Smooth operation with no routine maintenance

**Quiet Operation with Low Vibration:** Double-encased motor assures quiet performance and low out-of-balance vibration

**Cool Operation:** Unique air-flow design cools the rotor chamber and motor with ambient air; protecting your samples and maximizing sample integrity

**6 Foot Cord:** Easily reaches the rear of a vehicle

### SAFETY

**Automatic Lid Lock:** Centrifuge will not run with the lid open and the lid cannot be opened while samples are spinning

**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 Guard Bowl:** Provides maximum safety and durability

# 642M CENTRIFUGE SPECIFICATIONS

CATALOG NUMBER: 00-077-009-000

## Electrical

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

## Maximum Speed

6-Tube Horizontal Rotor ..... 3,400 RPM


## General


Overall Dimensions ..... Height ..... 8.75 in. (22 cm)  
 Width ..... 11.75 in. (30 cm)  
 Depth..... 14 in. (35.5 cm)  
 Weight ..... 12 lbs. (5.4 kg)  
 Max. Acceleration Time ..... 10 seconds  
 Max. Deceleration Time ..... 20 seconds  
 Timer ..... Electronic

## Maximum Force

6-Tube Horizontal Rotor ..... 1,600 xg

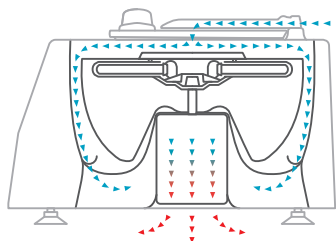
Preset to 10 minutes at 3,400 RPM/1,600 xg

Parts Included	QTY Included	Part Number	COMMENTS
 6 Place Horizontal Rotor	1	7786061	High strength glass fiber
 75 mm Tube Holder	6	7713033	For use with 75 mm tubes
 100 mm Tube Holder	6	7713031	For use with 100 mm tubes

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

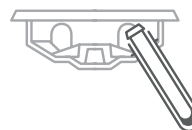
Unique design of the motor housing and rotation chamber allows for cool operation even under the heaviest workloads



## 2-Stage Horizontal Rotor Included

Our patented swing-out horizontal rotor design incorporates a unique test tube holder that produces the ideal horizontally separated samples

Loading Angle



Rotation Angle



## Warranty

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