

# HORIZON

## 642B

CAT.# 00-016-009-001

### SINGLE SPEED CENTRIFUGATION MECHANICAL TIME CONTROL

- HORIZONTAL CENTRIFUGATION
- 6 TUBE CAPACITY
- MECHANICAL TIMER
- SINGLE SPEED
- 3,380 MAX RPM
- 1,600 XG MAX RCF



## OVERVIEW

The model 642B offers CLSI recommended horizontal centrifugation in a basic package for maximum affordability. The mechanical timer accommodates settings from 1 to 30 minutes to meet a variety of specimen preparation needs. The unique rotor design allows for horizontal operation without the need for any extra parts beyond tube carriers.

## APPLICATIONS

The Model 642B is a continuous duty centrifuge designed for chemistry and coagulation. With its compact size, the 642B is ideal for doctor's offices, small clinics, laboratories, and more.

### FEATURES

**Mechanical Timer:** Selectable between 1 and 30 minutes allowing for a wide range of applications

**Capacity:** Up to six (6) tubes from micro tubes (.5 mL) up to 17 mm x 100 mm (10 mL)

**Brushless AC 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

**Compact Design:** Uses approximately 1 sq. ft. of counter space

### SAFETY

**Safety Lid Switch:** Centrifuge will not run with the lid open

**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

**Regulatory Approvals:** Certified to US and Canadian Safety standards

**Reinforced Side Walls:** Glass fiber reinforced nylon and high impact polycarbonate provide dual layers of safety protection

**642B CENTRIFUGE SPECIFICATIONS**  
**CATALOG NUMBER: 00-016-009-001**

**Electrical**

Voltage..... 115 Volts  
 Frequency..... 50/60 Hz  
 Max. Power Requirements ..... 165 Watts  
 Centrifuge Motor ..... 1/30 H.P. Brushless AC

**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)  
 Max. Acceleration Time ..... 10 seconds  
 Max. Deceleration Time..... 80 seconds  
 Timer ..... Mechanical, 1 to 30 minutes  
 Noise at 3 ft ..... 65 db

**Maximum Speed**

6-Tube Horizontal Rotor ..... 3,380 RPM

**Maximum Force**

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

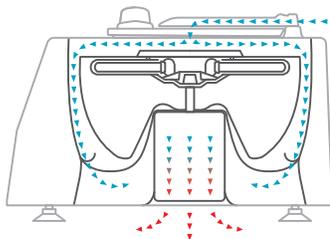
Preset to 10 minutes at 3,380 RPM/1,600 xg

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
 0.5 to 1 mL Tube Adaptor	2	7713068	For use with tubes up to 1 mL
 1.5 to 2 mL Tube Adaptor	2	7713065	For use with tubes between 1.5 mL and 2 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**

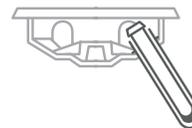
Unique design of the motor housing and rotation chamber allows for cool operation even under the heaviest workloads



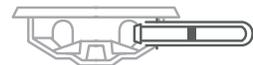
**2-Stage Horizontal Rotor Included**

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 warranties that this centrifuge is free from defects in workmanship and parts for 2 years.



[druckerdiagnostics.com](http://druckerdiagnostics.com)

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