

# HORIZON

## 653V FIXED-ANGLE

20-TUBE CAT.# 00-032-009-001

6-TUBE CAT.# 00-032-009-002



### ADJUSTABLE SPEED FIXED-ANGLE CENTRIFUGE

- FIXED-ANGLE CENTRIFUGATION
- 6 OR 20 TUBE CAPACITY
- PRESET RUN TIME
- ADJUSTABLE SPEED
- 3,200 MAX RPM
- 1,250 XG MAX RCF

### OVERVIEW

The model 653V fixed-angle centrifuge offers two configurations: 20 6-10 mL tubes in a fixed-angle rotor (standard), or 6 tubes of 50 mL capacity in a fixed-angle rotor. All configurations include rotor and tube holders, and all have the same push button operation and speed control. The centrifuge arrives with a preset run time of 10 minutes at any selected RPM; this time setting can be changed if desired, but is not designed for frequent adjustment. RPM speed can be adjusted easily with a dial whenever desired.

### APPLICATIONS

The model 653V centrifuge is a continuous duty, electronically controlled variable speed laboratory centrifuge. The 653V provides affordability and flexibility when processing specimens for analysis on site. Uses include blood chemistry specimens, urine, platelet rich plasma (PRP), and platelet poor plasma (PPP).

### 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 horizontal model 653V (Cat. No. 00-032-009-000).

#### FEATURES

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

**Capacity:** Twenty (20) tubes up to 17 mm x 125 mm, or six (6) 50 mL tubes.

**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

#### 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

**Global Regulatory Approvals:** Certified to US, Canadian, and European Safety standards

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

**653V CENTRIFUGE SPECIFICATIONS**  
**20-TUBE CATALOG NUMBER: 00-032-009-001**  
**6-TUBE CATALOG NUMBER: 00-032-009-002**

**Electrical**

Voltage..... 115 or 230 Volts  
 Frequency..... 50/60 Hz  
 Max. Power Requirements ..... 230 Watts  
 Centrifuge Motor ..... 1/2 H.P. Brushless DC

**Maximum Speed**

20-Tube Fixed-Angle Rotor..... 3,200 RPM  
 6-Tube 50 mL Fixed-Angle Rotor..... 3,200 RPM




**General**




Overall Dimensions ..... Height..... 9.3 in. (23.6 cm)  
 Width ..... 12.9 in. (32.8 cm)  
 Depth..... 15.8 in. (40.1 cm)  
 Weight ..... 33.7 lbs. (15.3 kg)  
 Timer ..... Electronic, 1 to 30 minutes  
 Max. Acceleration Time ..... 35 seconds  
 Max. Deceleration Time..... 35 seconds

**Maximum Force**

20-Tube Fixed-Angle Rotor..... 1,250 xg  
 6-Tube 50 mL Fixed-Angle Rotor..... 1,250 xg

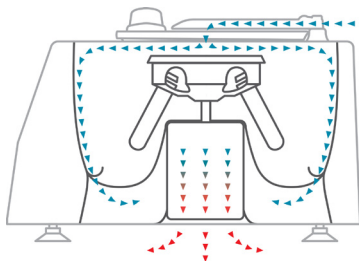
Preset to 10 minutes runtime, dial adjustable speed  
 Also available with horizontal rotor.

Parts Included with 20-Tube	QTY Included	Part Number	COMMENTS
 20 Tube Fixed Angle Rotor	1	7786042	For use with 17 mm x 75, 100, and 125 mm tubes
 75 - 100 mm Tube Holder	6	7713079	For use with 75 - 100 mm tubes (3 mL - 10 mL)
 1 Inch Cushion Spacer	20	1525	

Parts Included with 6-Tube 50 mL	QTY Included	Part Number	COMMENTS
 6 Tube Fixed-Angle Rotor	1	7786044	High strength gloss fiber
 50 mL Tube Holder	6	7787059	For use with 50 mL tubes
 50 mL Conical Tube Insert	6	7787060	For use with conical vials or tubes

**Cool Operations**

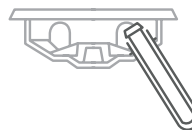
Unique design of the motor housing and rotation chamber allows for cool operation even under the heaviest workloads



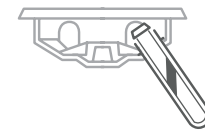
**Fixed Angle Rotor Included**

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.



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