

# HORIZON

## 853VES Performance Plus



HORIZONTAL CLINICAL CENTRIFUGE

**12 TUBE, 5,000 RPM, HIGH G-FORCE, MULTI-PURPOSE**  
FOR REDUCED PROCESSING TIMES AND HIGH-QUALITY ANALYTICAL RESULTS

### OVERVIEW

The Model 853VES Performance Plus is a medium capacity, continuous-duty, digitally-controlled centrifuge designed for the separation of fluid samples. The 853VES Performance Plus offers control over almost every aspect of the unit's operation from variable acceleration and deceleration to easy time and speed input. Complete digital controls make it easy to adjust settings and the internal memory allows for common settings to be stored for later use.

### APPLICATIONS

The high performance capabilities of the Model 853VES Performance Plus allows it to provide high quality Platelet Poor Plasma (PPP) in as little as 3 minutes, yet it still offers versatility for sensitive urine and fertility samples. The 853VES Performance Plus is also ideal for Platelet Rich Plasma (PRP), Semen, Coagulation, Clinical Chemistry, Urine, and other General Purpose Use.

### FEATURES

- Electronic Timer:** Selectable between 0-99 minutes, or hold for continuous operation. Control speed from 500 RPM to maximum
- Variable Acceleration and Deceleration:** Customize entire run
- Capacity:**
  - Up to twelve (12) 1-10 mL tubes with horizontal rotor
  - Up to twenty (20) 1-15 mL tubes with fixed angle rotor
  - Up to six (6) 50 mL tubes with fixed angle rotor
- Brushless 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
- Footprint:** Compact design uses approximately 1 sq. ft. of counter space
- End of Cycle Alarm:** Audible and visual alarms signal when centrifugation cycle is complete

### 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
- Regulatory Approvals:** ETL Compliant to ANSI/UL Standards; CE Marked
- Imbalance Detection:** If an imbalance is detected, the centrifuge will come to a safe, controlled stop
- Welded Steel Construction:** Provides strength and durability for years of use

# 853VES PERFORMANCE PLUS CENTRIFUGE SPECIFICATIONS

CATALOG NUMBER: 00-054-009-000

## Electrical

Voltage ..... 115/230 Volts (± 10%)  
 Frequency ..... 50/60 Hz  
 Max. Power Requirements ..... 200 Watts  
 Protection Breaker ..... 4 Amp. Re-settable  
 Centrifuge Motor ..... 1/2 H.P. Brushless DC

## General





Overall Dimensions..... Height..... 8.5 in. (23 cm)  
 Width..... 12.5 in. (32 cm)  
 Depth..... 15.5 in. (39 cm)  
 Weight..... 30 lbs. (13.7 kg)  
 Min. Acceleration Time ..... 15 seconds  
 Max. Deceleration Time ..... 22 seconds  
 Timer ..... Electronic, w/hold or 0 to 99 minutes

## Speed Range

Performance Plus Horizontal Rotor ..... 500 to 5,000 RPM  
 20 Place Fixed Angle Rotor ..... 500 to 4,000 RPM  
 6 Place Fixed Angle Rotor ..... 500 to 4,000 RPM

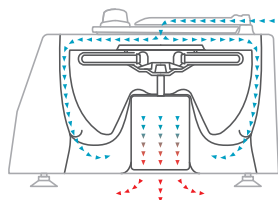
## Force

Performance Plus 75 mm ..... 40 to 3,000 xg  
 Performance Plus 100 mm ..... 40 to 3,750xg  
 Performance Plus 75/100 mm ..... 40 to 3,750 xg  
 20 Place Fixed 75 mm ..... 40 to 1,600 xg  
 20 Place Fixed 100 mm ..... 40 to 1,800 xg  
 20 Place Fixed 125 mm ..... 40 to 2,000 xg  
 6 Place Fixed 50 mL ..... 40 to 1,800 xg

Parts Included	QTY Included	Part Number	COMMENTS
 12 Place Horizontal Rotor	1	7786010	High strength glass fiber
 0.5 to 1 mL Tube Adaptor	2	7713068	For use with vials up to 1 mL
 1.5 to 2 mL Tube Adaptor	2	7713065	For use with vials between 1.5 mL and 2 mL
 75 - 100 mm Tube Holder	12	7713079	For use with 75 - 100 mm tubes (3 mL - 10 mL)

### Cool Operations

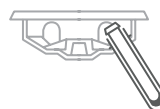
Unique design of the motor housing and rotation chamber allows for cool operation even under the heaviest workloads



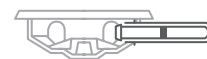
### 2-Stage Horizontal Rotor Included

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

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



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

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