OVERVIEW
The Model 853VES is a medium capacity, continuous-duty, digitally-controlled centrifuge designed for the separation of fluid samples. The 853VES 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 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 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
- **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 CENTRIFUGE SPECIFICATIONS  
CATALOG NUMBER: 00-054-009-002

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

Speed Range
Standard HorizontalRotor: 500 to 4,000 RPM

Parts Included

<table>
<thead>
<tr>
<th>Parts Included</th>
<th>QTY Included</th>
<th>Part Number</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 Place Horizontal Rotor</td>
<td>1</td>
<td>7786024</td>
<td>High strength glass fiber</td>
</tr>
<tr>
<td>0.5 to 1 mL Tube Adaptor</td>
<td>2</td>
<td>7713068</td>
<td>For use with vials up to 1 mL</td>
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<tr>
<td>1.5 to 2 mL Tube Adaptor</td>
<td>2</td>
<td>7713065</td>
<td>For use with vials between 1.5 mL and 2 mL</td>
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<tr>
<td>75 - 100 mm Tube Holder</td>
<td>12</td>
<td>7713079</td>
<td>For use with 75 - 100 mm tubes (3 mL - 10 mL)</td>
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</tbody>
</table>

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

Force
Std. Rotor 75 mm Tube Holder: 40 to 1,950 xg
Std. Rotor 100 mm Tube Holder: 40 to 2,400 xg
Std. Rotor 75/100 mm Tube Holder: 40 to 2,400 xg

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

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

Drucker Diagnostics | druckerdiagnostics.com | +1-877-231-3115 (U.S. only) | +1-814-692-7661

Form No. 392 Rev. D