OVERVIEW

The Model 642VFD is the global version of the popular clinical centrifuge 642E. The built-in universal power supply and UL/CE safety approvals allow for global use. The programmable single-speed centrifuge is simple yet flexible enough for any application and its performance provides the 500 xg - 2,000 xg recommended by Kova Urine Tubes®, BD Vacutainers®, Greiner Vacuettes®, Starstedt S-Monovettes®, and more.

APPLICATIONS

Using patented rotor technology, the 642VFD reduces blood separation processing times by 33% or more while minimizing the use of valuable counter space. The performance of the 642VFD maximizes sample integrity by keeping your patient samples cool during centrifugation, by providing high-quality gel separation, and by minimizing the presence of cells or fibrin strands in the strum or plasma. This programmable, single-speed centrifuge is simple yet flexible enough for any application.

FEATURES

- **Electronic Timer**: Preset to 10 minutes, selectable from 1 to 30 minutes
- **Capacity**: Up to six (6) 17 mm x 100 mm 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
- **Footprint**: Compact design uses less than 1 sq. ft. of counter space

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
# 642VFD CENTRIFUGE SPECIFICATIONS

**CATALOG NUMBER: 00-025-009-001**

## General
- **Overall Dimensions:**
  - Height: 8.75 in. (22 cm)
  - Width: 11.75 in. (30 cm)
  - Depth: 14.0 in. (35.5 cm)
- **Weight:** 12 lbs. (5.4 kg)
- **Max. Acceleration Time:** 18 seconds
- **Max. Deceleration Time:** 20 seconds
- **Timer:** Electronic, 1 to 30 minutes, preset to 10 minutes, +5% / -2%

## Electrical
- **Voltage:** 120/220 Volts (± 10/25 Volts)
- **Frequency:** 50/60 Hz
- **Max. Power Requirements:** 165 Watts
- **Protection Breaker:** 4 Amp. Re-settable
- **Centrifuge Motor:** 1/30 H.P. Brushless AC

<table>
<thead>
<tr>
<th>Max Speed</th>
<th>3,800 (± 100) RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Force</td>
<td>2,050 (± 90) xg</td>
</tr>
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</table>

## 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>6 Place Horizontal Rotor</td>
<td>1</td>
<td>7786067</td>
<td>High strength glass fiber</td>
</tr>
<tr>
<td>75 - 100 mm Tube Holder</td>
<td>6</td>
<td>7713079</td>
<td>For use with 75 - 100 mm tubes (3 mL - 10 mL)</td>
</tr>
</tbody>
</table>

## Optional Accessories

<table>
<thead>
<tr>
<th>Optional Accessories</th>
<th>QTY Included</th>
<th>Part Number</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SmartView™ Platform</td>
<td>Available as an accessory</td>
<td>00-079-009-001</td>
<td>Tilts the centrifuge forward for better view and easier reach inside without loss of g-force.</td>
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</tbody>
</table>

## 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
![Loading Angle](image)

### Rotation Angle
![Rotation Angle](image)

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