Optima™ TLX

- Imbalance-tolerant drive allows visual balancing of rotor loads and eliminates the need for operators to weigh individual samples.
- Air-cooled drive and thermoelectric heating/cooling system use no chlorofluorocarbons.
- For work with biohazards, HEPA filter kits are available for all Optima series instruments. Optima TLX can be fitted to Baker biosafety cabinets. Contact the Baker Company at: P.O. Drawer E Sanford Airport Road Sanford, ME 04073 USA 1-800-992-2537
- Compact micro-ultracentrifuge models are sized for operation within laminar flow hoods.

**Part Numbers**

<table>
<thead>
<tr>
<th>Part Numbers</th>
<th>Optima TLX</th>
</tr>
</thead>
<tbody>
<tr>
<td>361544</td>
<td>50 Hz, 220-240 VAC</td>
</tr>
<tr>
<td>361545</td>
<td>60 Hz 110 VAC</td>
</tr>
<tr>
<td>361546</td>
<td>50/60 Hz, 100 VAC</td>
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<tr>
<td>A20689</td>
<td>BioSafe* 50/60 Hz, 220-240 VAC</td>
</tr>
<tr>
<td>969346</td>
<td>BioSafe* 60 Hz, 120 VAC</td>
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<tr>
<td>A20690</td>
<td>BioSafe* 50/60 Hz, 100 VAC</td>
</tr>
<tr>
<td>961424</td>
<td>Replacement HEPA Filter</td>
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</tbody>
</table>

*BioSafe and BioSafety are terms intended to describe the enhanced biocontainment features of our products.*

**Specifications**

- **Maximum Speed**: 120,000 rpm
- **Maximum g-force (RCF x g)**: 657,000 x g (TLA 110 Rotor)
- **Speed Control**: ± 50 rpm of set speed
- **Imbalance Tolerance**: Up to 10% of volume in opposite tubes
- **Drive Cooling**: Air-cooled
- **Refrigeration System**: Solid State; no CFCs, ODCs
- **Set Temperature Range**: 2° to 40°C in 1° increments
- **Temperature Control**: ± 2°C of set
- **User-Settable Programs**: 10 user programs; all user programs have up to five steps
- **Time Setting**: Up to 99 hours 59 minutes
- **Accel/Decel Rates**: 10 Accel/11 Decel
- **Dynamic Rotor Inertia Check**: Included
- **Heat Output**: 0.6 kWh (1,800 Btu/h)
- **Sound Level**: <60 dBA
- **HEPA filter**: Optional
- **Dimensions**: 53.3 cm (21 in) H x 58.4 cm (23 in) D x 73.7 cm (29 in) W
- **Weight**: 81 kg (178 lb)
- **Voltage Requirements**: 60/50 Hz, 100 VAC
  - 50 Hz, 220-240 VAC
  - 60 Hz, 110 VAC

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Ultracentrifugation