DE500 / Engine Dynamometer

DE500 Eddy Current Engine Dynamometer

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>670 hp (500 kW)</td>
</tr>
<tr>
<td>Torque</td>
<td>2,213 lb-ft (3,000 Nm)</td>
</tr>
<tr>
<td>Speed</td>
<td>7,500 rpm</td>
</tr>
<tr>
<td>Water Use*</td>
<td>90 gpm (340.7 lpm)</td>
</tr>
<tr>
<td>Inertia Value</td>
<td>52 lb-ft² (2.196 kg-m²)</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>4,740 lb (2,150 kg)</td>
</tr>
<tr>
<td>Rotation</td>
<td>bi-directional</td>
</tr>
</tbody>
</table>

Recommended Accessories

- Driveshaft
- Driveshaft Guard
- Adapter Plate Kit
- Engine Cart
- Cooling Column
- Charge Air Cooler
- Water Recirculating System

*No Cooling System

For overhung loads, such as a belt or gear drive, please contact Taylor Dynamometer to ensure that the system will meet the required performance needs.
Optional Accessories

DE250 shown with optional sub-base and air starter

Optional Accessories
- Cooling Column
- Driveshaft Guard
- Engine Cart
- Charge Air Cooler

Various Facility Support Systems and Services Available

- Bulk Fuel Storage and Distribution
- Coolant Storage and Distribution
- Water Recirculation
- Design, Project & Construction Management Services
- Commissioning, Start-up & Training

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As a safety precaution, Taylor Dynamometer recommends a torsional analysis to uncover any potential torsional problems that exist for each application. This analysis will identify any torsional issues (frequencies) that should be fixed prior to operation. Excessive linear vibration may also create problems that must be mitigated for continued operation. It is the customer’s responsibility to ensure that these vibration issues are addressed upon application of the dynamometer. Equipment failures attributed to linear or torsional vibration are not warrantable.