DA509 / Engine Dynamometer

DA509 Air Cooled AC Dynamometer

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Power</td>
<td>509 hp (379.6 kW)</td>
</tr>
<tr>
<td>Torque</td>
<td>1,527 lb-ft (2,070.3 Nm)</td>
</tr>
<tr>
<td>Maximum Speed</td>
<td>4,500 rpm</td>
</tr>
<tr>
<td>Constant Torque Range</td>
<td>0 - 1,700 rpm</td>
</tr>
<tr>
<td>Constant Power Range</td>
<td>1,700 - 3,000 rpm</td>
</tr>
<tr>
<td>Decreasing Power Range</td>
<td>3,000 - 4,500 rpm</td>
</tr>
<tr>
<td>Rotation</td>
<td>bi-directional</td>
</tr>
</tbody>
</table>

Recommended Accessories

- Base Kit
- Driveshaft
- Shaft Guard
- Engine Cart
- Adapter Plate Kit
- Charge Air Cooler
- Load Bank Configuration (Regenerative Drive Configuration is standard)
- Calibration Weights

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

As a safety precaution, Dyne Systems 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.
Optional Accessories

Optional Closed Loop Cooling Center

Optional Charge Air Cooler

Optional Engine Cart

Optional Driveshaft Guard

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