DE20 / Engine Dynamometer

DE20 Eddy Current Engine Dynamometer

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>27 hp (20 kW)</td>
</tr>
<tr>
<td>Torque</td>
<td>59 lb-ft (80 Nm)</td>
</tr>
<tr>
<td>Speed</td>
<td>12,000 rpm</td>
</tr>
<tr>
<td>Water Use*</td>
<td>4 gpm (15.1 lpm)</td>
</tr>
<tr>
<td>Inertia Value</td>
<td>0.30 lb-ft² (0.0125 kg-m²)</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>904 lb (410 kg)</td>
</tr>
<tr>
<td>Rotation</td>
<td>bi-directional</td>
</tr>
</tbody>
</table>

*No Cooling System

Recommended Accessories

- Driveshaft
- Driveshaft Guard
- Cooling Column
- Engine Cart
- Charge Air Cooler
- Water Recirculating 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

Optional Cooling Column

Optional Driveshaft Guard

Optional Engine Cart

Optional 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
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.

Specifications

Power: 27 hp (20 kW)
Torque: 59 lb-ft (80 Nm)
Speed: 12,000 rpm
Water Use*: 4 gpm (15.1 lpm)
Inertia Value: 0.30 lb-ft² (0.0125 kg·m²)
Shipping Weight: 904 lb (410 kg)
Rotation: bi-directional

*No Cooling System

Coupling details

SAE standard size code number 1100

4 holes as shown