DA50 Air Cooled AC Dynamometer

Specifications

- **Power:** 50 hp (37.3 kW)
- **Torque:** 87.5 lb-ft (118.6 Nm)
- **Maximum Speed:** 8,500 rpm
- **Constant Torque Range:** 0 - 3,000 rpm
- **Constant Power Range:** 3,000 - 5,100 rpm
- **Decreasing Power Range:** 5,100 - 8,500 rpm
- **Rotation:** bi-directional

Recommended Accessories

- Test Stand or Table
- Driveshaft
- Shaft Guard
- Adapter Plate Kit
- 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

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
DA50 (US Customary)

Torque (lb-ft) vs. Speed (rpm)

- Torque
- Power

DA50 (S.I.)

Torque (Nm) vs. Speed (rpm)

- Torque
- Power

Everything you need to succeed

Dyne Systems is a division of Taylor Dynamometer
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