**DX34 Water Brake Engine Dynamometer**

### Specifications

- **Power:** 1,000 hp (746 kW)
- **Torque:** 3,217 lb-ft (4,361 Nm)
- **Speed:** 4,000 rpm
- **Water Use**: 73 gpm (276.3 lpm)
- **Inertia Value**: 82 lb·ft² (3.5 kg·m²)
- **Shipping Weight**: 1,846 lb (837 kg)
- **Rotation**: bi-directional

*No Cooling System  
**With Companion Flange or Torsional Coupling*

### Recommended Accessories

- Driveshaft - 1810
- Torsional Coupling - 1810
- Adapter Plate Kit
- Shaft Guard
- Sub-Base Kit
- Engine Cart - 12,000 lb. (5,448 kg)
- Air Starter - High Torque, Single or Dual Directional
- Cooling Column - 1,250 hp (932 kW)
- 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 dual directional pneumatic starter kit with flywheel and flywheel guard
- DX3012 shown with available options
- Optional shaft guard
- Optional Sub-Base

Optional Accessories

- Optional Cooling Column
- Optional Engine Cart
- Optional Torsional Coupling
- 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

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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.

Specifications

Power: 1,000 hp (746 kW)
Torque: 3,217 lb-ft (4,361 Nm)
Speed: 4,000 rpm
Water Use*: 73 gpm (276.3 lpm)
Inertia Value**: 62.4 lb-ft² (2.6 kg-m²)
Shipping Weight: 1,846 lb (837 kg)
Rotation: bi-directional

*No Cooling System
** With Companion Flange or Torsional Coupling