



## DS4010-HS / Engine Dynamometer



Shown with optional flange.

### DS4010-HS Water Brake Engine Dynamometer

#### Specifications

Power:	3,500 hp (2,611 kW)
Torque:	11,875 lb-ft (16,100 Nm)
Speed:	4,000 rpm
Water Use*:	255 gpm (965.3 lpm)
Inertia Value**:	290.8 lb-ft <sup>2</sup> (12.3 kg·m <sup>2</sup> )
Shipping Weight:	4,620 lb (2,097 kg)
Rotation:	bi-directional

\*No Cooling System

\*\* With Companion Flange or Torsional Coupling

#### Recommended Accessories

- Driveshaft
- Adapter Plate Kit
- Shaft Guard
- Sub-Base Kit
- Engine Cart
- Air Starter - High Torque, Single or Dual Directional
- Closed Loop Cooling Center
- 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.*

**Total Test Success**

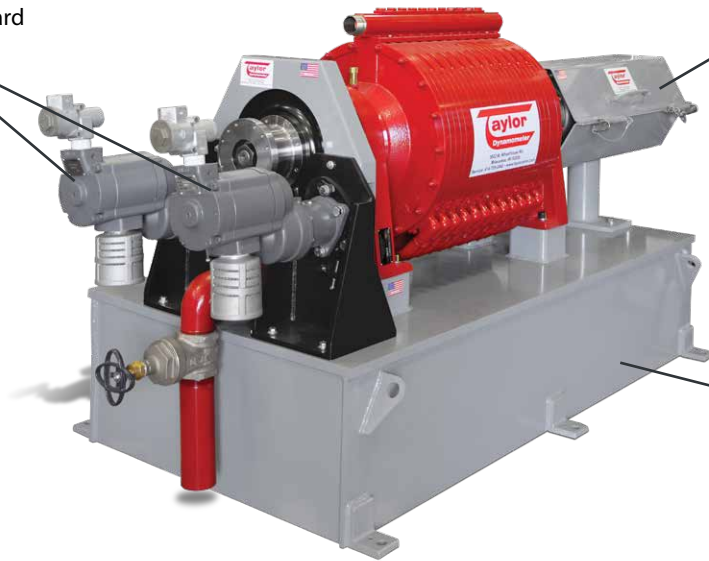
## Optional Accessories

Optional dual directional  
pneumatic starter kit  
with flywheel and flywheel guard

Optional shaft  
guard

DS4012 shown  
with available options

Optional  
Sub-Base



Optional  
Cooling Column



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

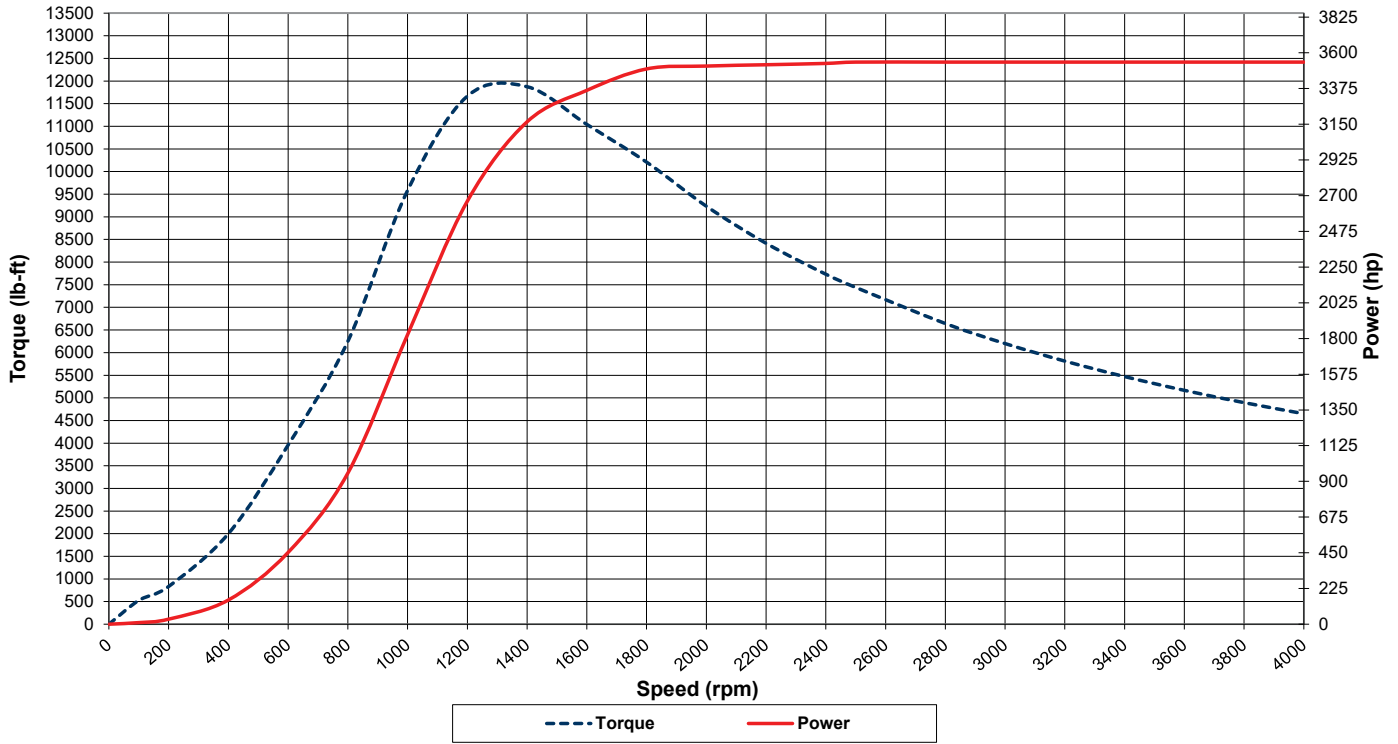


Design, Project  
& Construction  
Management Services

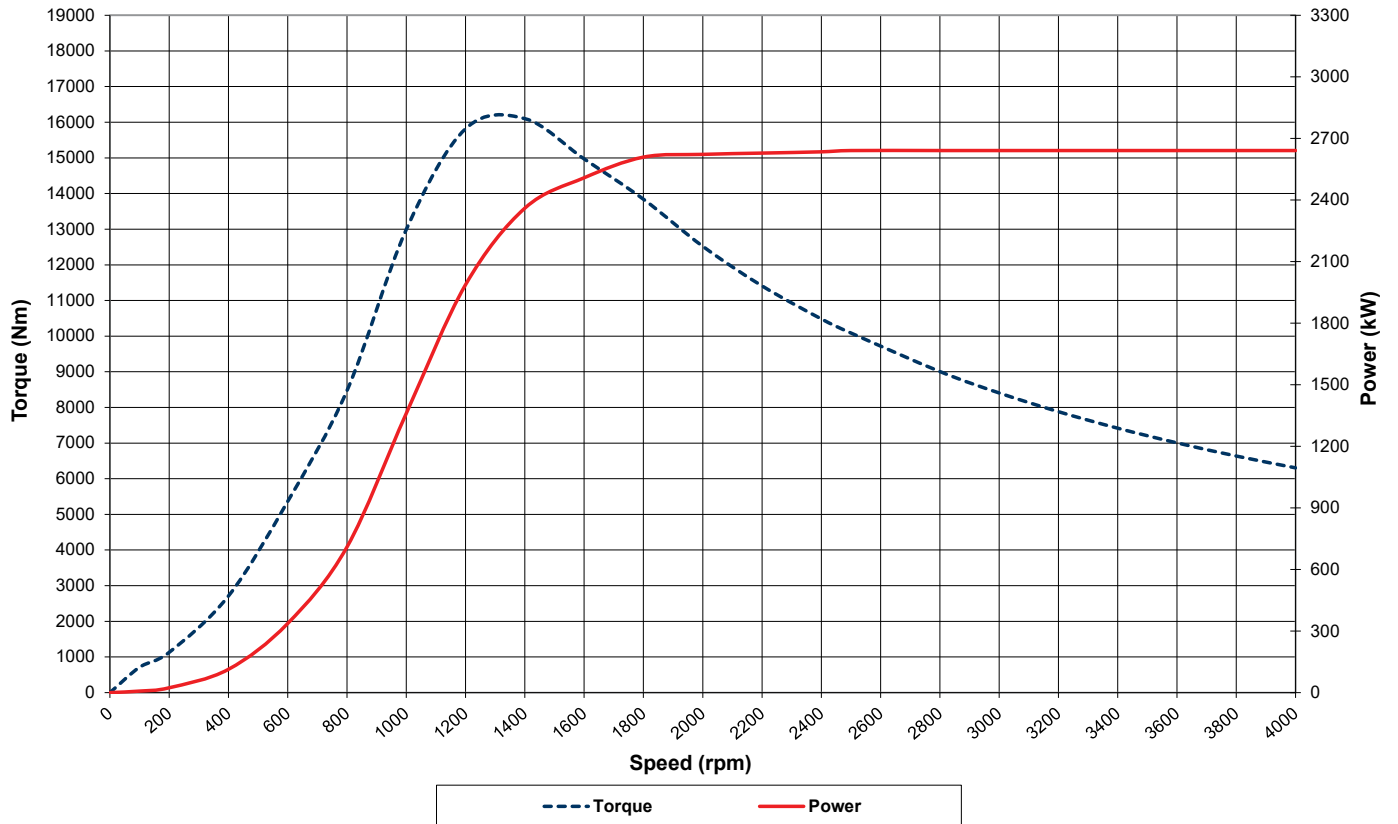


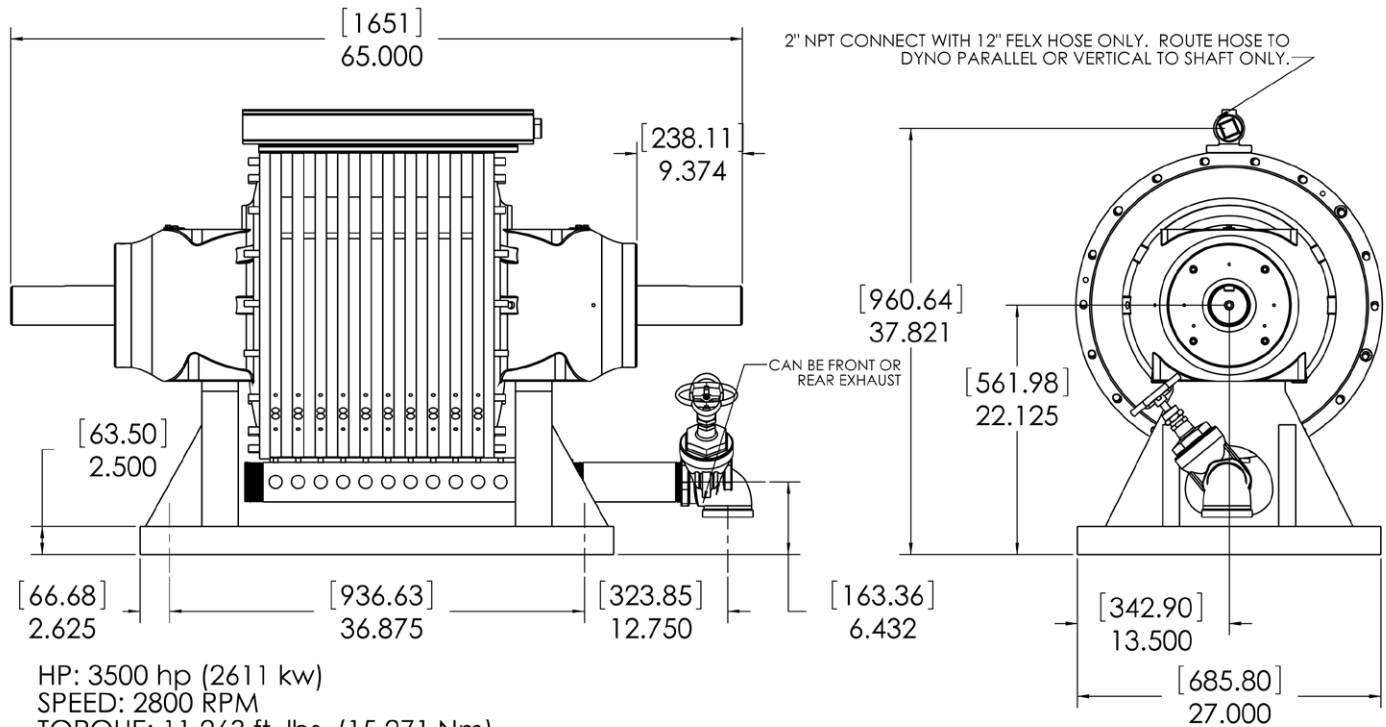
Commissioning,  
Start-up & Training

### DS4010-HS (US Customary)



### DS4010-HS (S.I.)





HP: 3500 hp (2611 kw)  
 SPEED: 2800 RPM  
 TORQUE: 11,263 ft. lbs. (15,271 Nm)  
 WATER USE: 255 GPM (16.1 L/s)(NO COOLING SYSTEM)

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Inertia Value**:	290.8 lb-ft <sup>2</sup> (12.3 kg·m <sup>2</sup> )
Shipping Weight:	4,620 lb (2,097 kg)
Rotation:	bi-directional

\*No Cooling System

\*\* With Companion Flange or Torsional Coupling

*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.*

**Everything you need to succeed**



3602 West Wheelhouse Road, Milwaukee, Wisconsin 53208 U.S.A.  
 (414) 755-0040 [www.taylordyno.com](http://www.taylordyno.com)

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