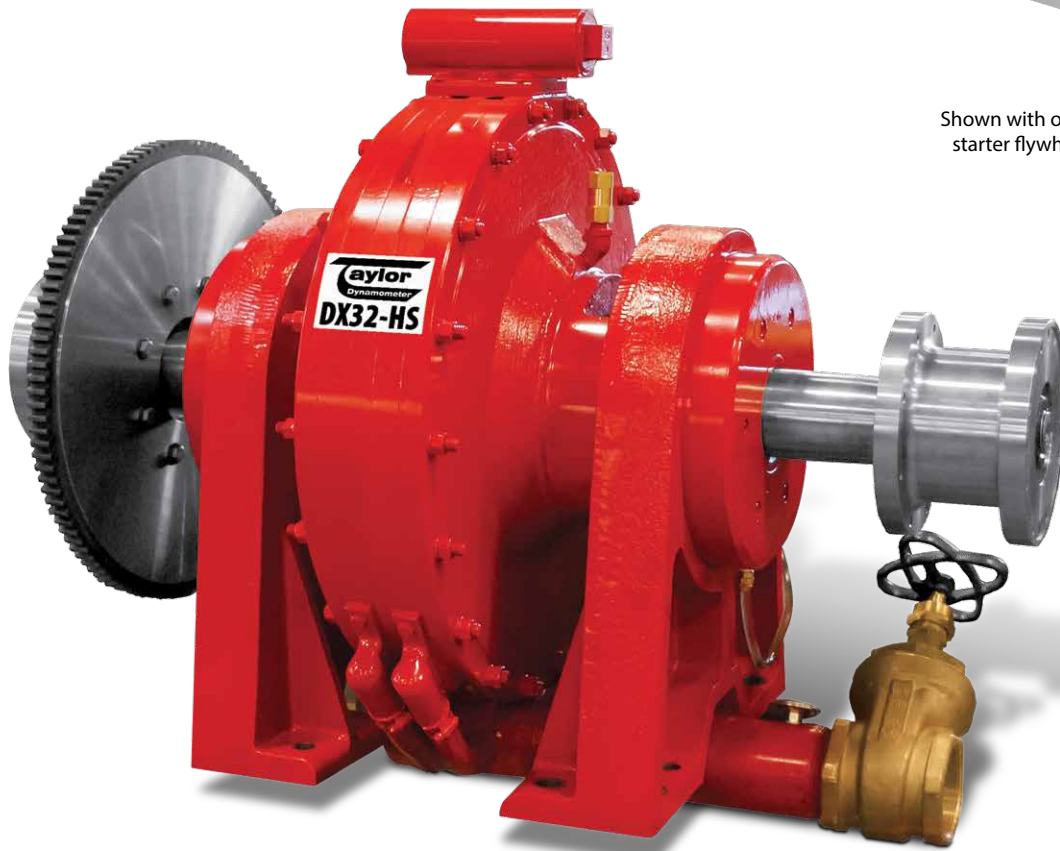Shown with optional flanges and starter flywheel on shaft-ends.

DX32-HS Water Brake Engine Dynamometer

Specifications

Power:	500 hp (373 kW)
Torque:	1,608 lb-ft (2,181 Nm)
Speed:	6,000 rpm
Water Use*:	37 gpm (140 lpm)
Inertia Value**:	42.9 lb·ft^2 (1.8 kg·m^2)
Shipping Weight:	1,451 lb (658 kg)
Rotation:	bi-directional

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

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.

Recommended Accessories

- Driveshaft - 1810
- Torsional Coupling - 1810
- Adapter Plate Kit
- Shaft Guard
- Sub-Base Kit
- Engine Cart - 6,000 lb. (2,724 kg)
- Air Starter - 35 hp (26 kW), Single or Dual Directional
- Cooling Column - 1,250 hp (932 kW)
- Charge Air Cooler
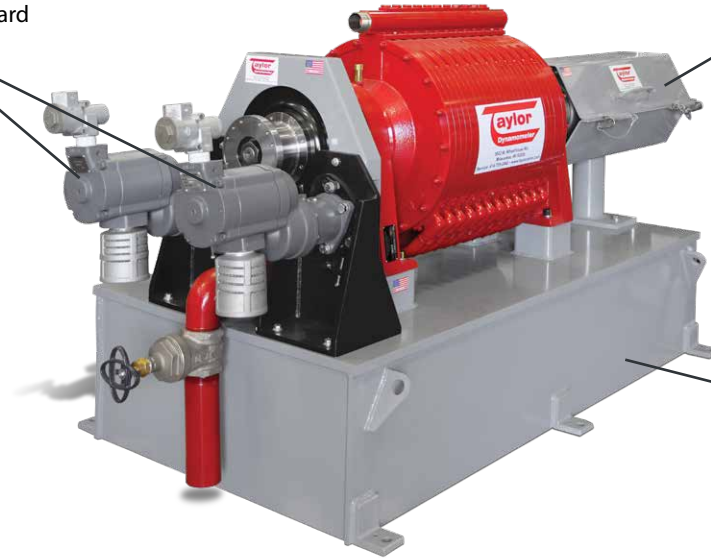- Water Recirculating System

Total Test Success

Optional Accessories

Optional dual directional
pneumatic starter kit
with flywheel and flywheel guard

Optional shaft
guard

DX3012 shown
with available options

Optional
Sub-Base

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
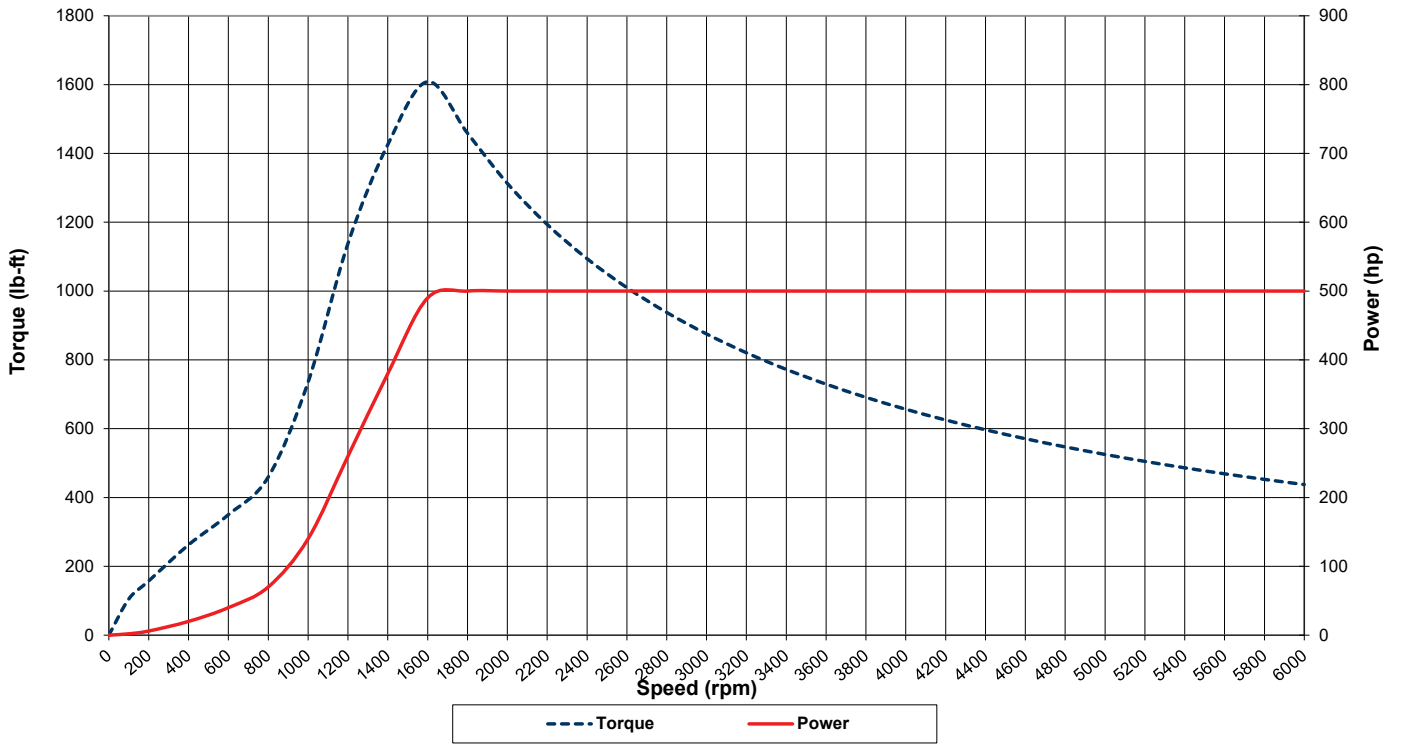and Distribution

Water
Recirculation

Design, Project
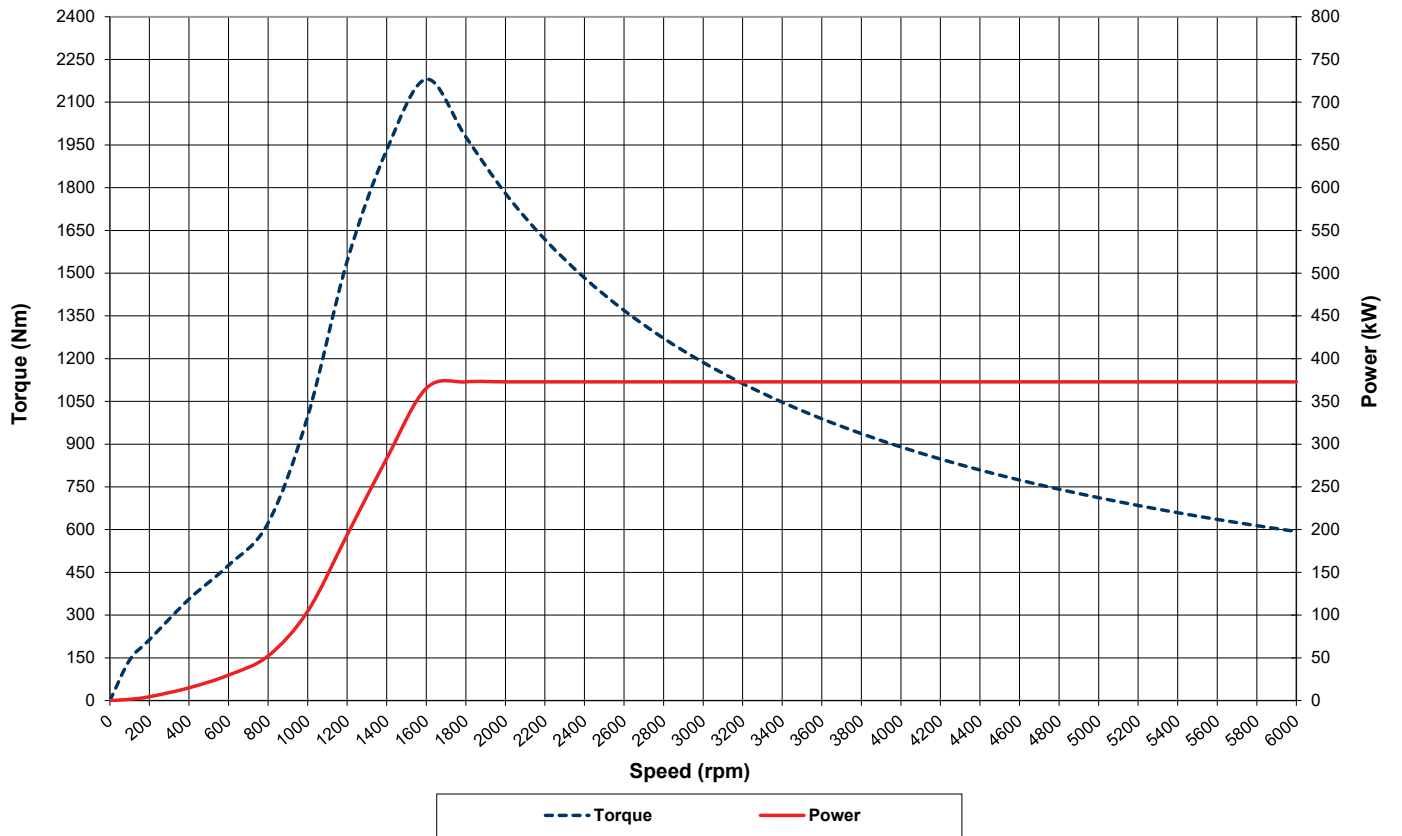& Construction
Management Services

Commissioning,
Start-up & Training

DX32-HS (US Customary)

Torque (lb-ft) — left axis: 0, 200, 400, 600, 800, 1000, 1200, 1400, 1600, 1800

Power (hp) — right axis: 0, 100, 200, 300, 400, 500, 600, 700, 800, 900

Speed (rpm) — 0, 200, 400, 600, 800, 1000, 1200, 1400, 1600, 1800, 2000, 2200, 2400, 2600, 2800, 3000, 3200, 3400, 3600, 3800, 4000, 4200, 4400, 4600, 4800, 5000, 5200, 5400, 5600, 5800, 6000

Legend: - - - Torque —— Power

DX32-HS (S.I.)

Torque (Nm) — left axis: 0, 150, 300, 450, 600, 750, 900, 1050, 1200, 1350, 1500, 1650, 1800, 1950, 2100, 2250, 2400

Power (kW) — right axis: 0, 50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800

Speed (rpm) — 0, 200, 400, 600, 800, 1000, 1200, 1400, 1600, 1800, 2000, 2200, 2400, 2600, 2800, 3000, 3200, 3400, 3600, 3800, 4000, 4200, 4400, 4600, 4800, 5000, 5200, 5400, 5600, 5800, 6000

Legend: - - - Torque —— Power

[1089]
42.875

2" NPT CONNECT WITH 12" LONG FLEX HOSE ONLY. ROUTE HOSE TO DYNO PARALLEL TO SHAFT OR VERTICAL TO SHAFT ONLY.

[212]
8.361

[38]
1.500

[837]
32.936

[879]
34.621

[483]
19.000

[51]
2.000

[172]
6.788

[319]
12.545

TRANSMITTER STAND ASSEMBLY
SOLD SEPARATELY

[267]
10.500

[25]
1.000

[451]
17.750

[406]
16.000

[129]
5.064

CAN BE FRONT OR REAR EXHAUST

[267]
10.499

[533]
21.000

Specifications

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Water Use*:	37 gpm (140 lpm)
Inertia Value**:	42.9 lb·ft² (1.8 kg·m²)
Shipping Weight:	1,451 lb (658 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

Taylor
Dynamometer

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