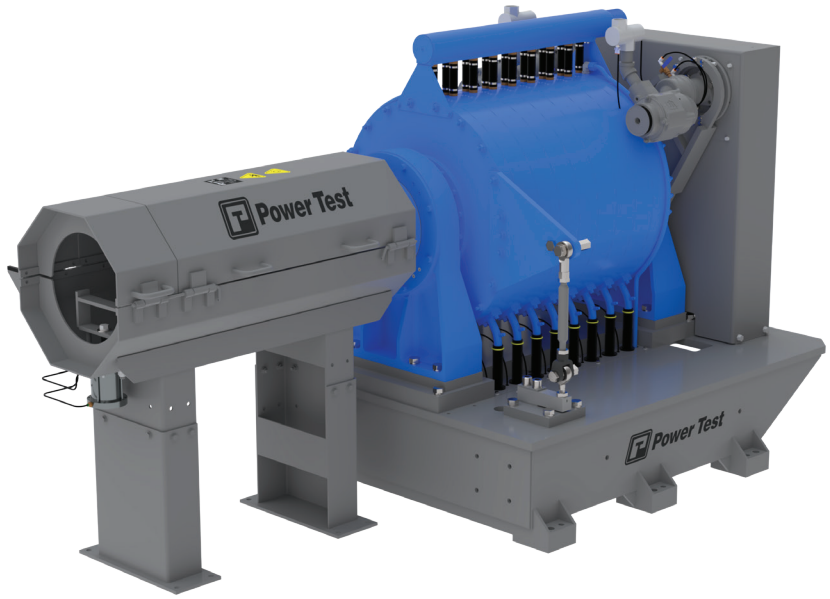
W-HT6400

Water Brake - Engine Dynamometer



Actual products may differ from images shown

Specifications:

Standard Testing*:	Power:	6,400 hp (4,772 kW)
	Torque:	37,348 lb-ft (50,636 Nm)
Intermittent Testing*:	Power:	8,000 hp (5,966 kW)
	Torque:	46,684 lb-ft (63,295 Nm)
Speed:		2,500 rpm
Inertia Value**:		1,575 lb-ft^2 (66.37 kg-m^2)
Shipping Weight:		14,000 lb (6,350 kg)

***With Companion Flange*

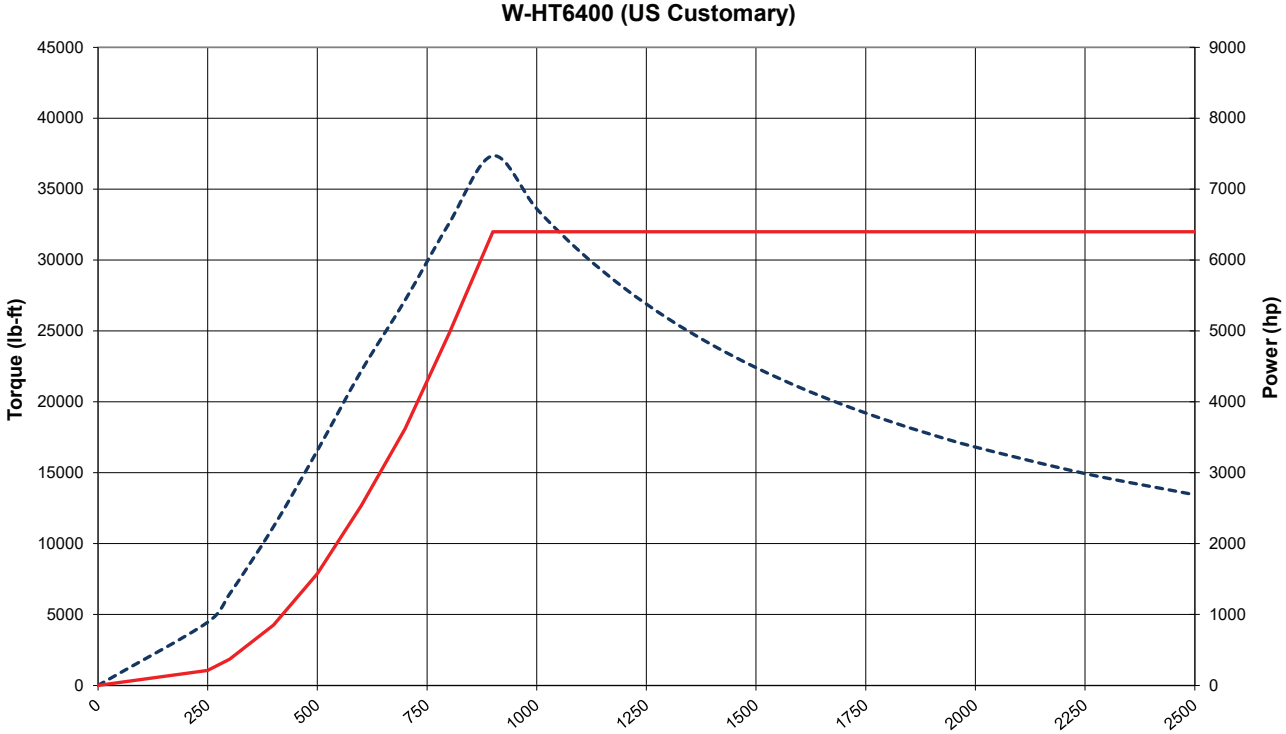
For overhung loads, such as a belt or gear drive, please contact us to ensure that the system will meet the required performance needs

Recommended Accessories:

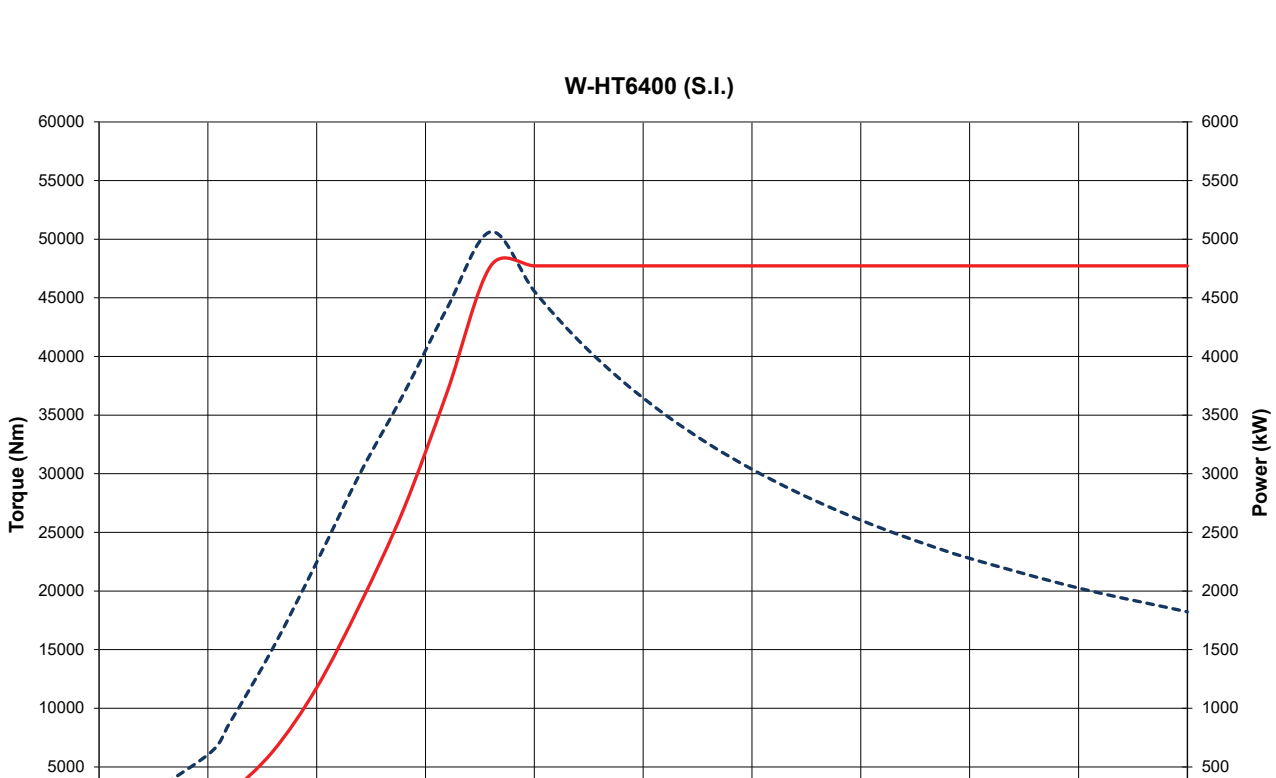
- Driveshaft
- Driveshaft Guard (Comes standard with Units)
  Please reach out to your Power Test representative if you need clarification on whether your proposal includes a driveshaft guard.
- Adapter Plate Kit
- Engine Cart
- Closed Loop Cooling Center
- Air Starter (Comes with standard units)
- Throttle Control
- Water Recirculating System

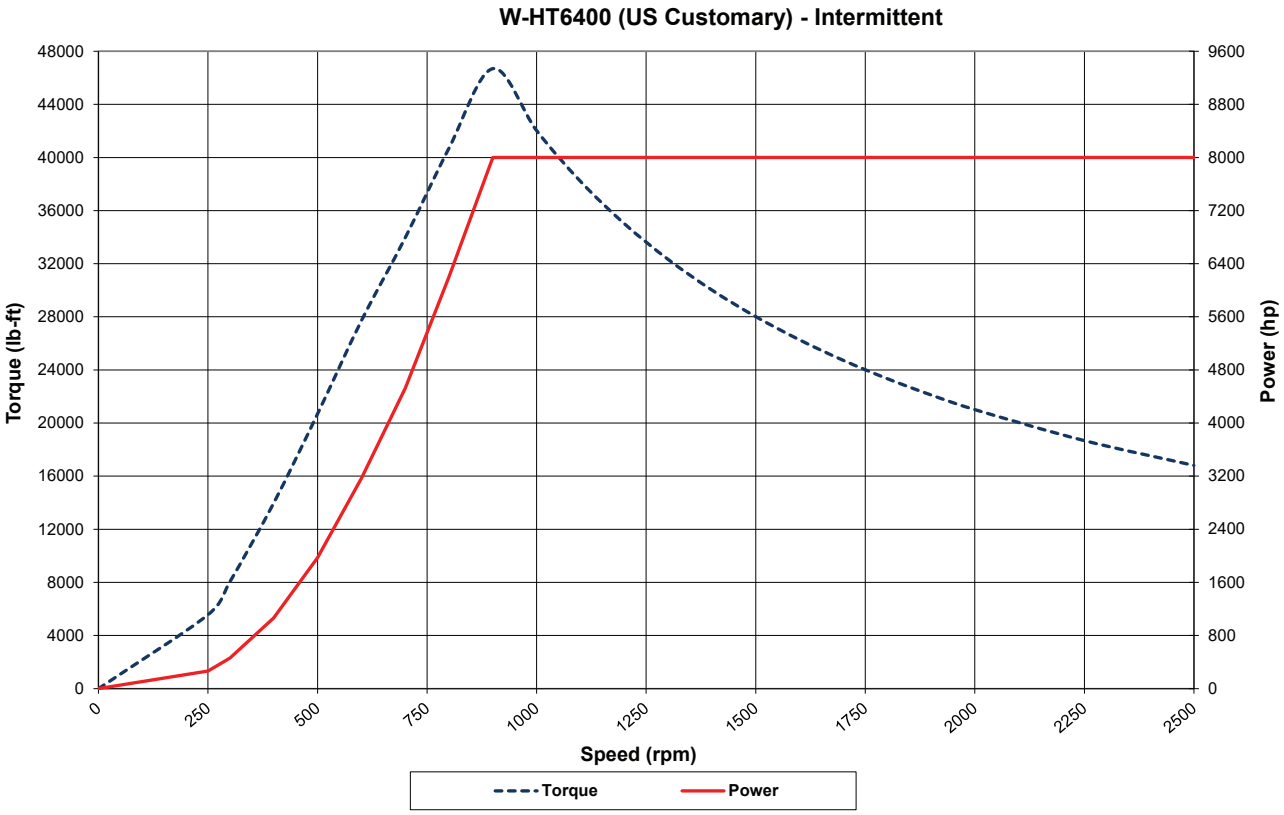
* **Dyno Rating:** Recommended operating conditions for tests up to 8 hours long.
Intermittent Rating: Available capacity for no more than 10% of the test time and 10 minutes per test whichever is shorter should be spent in the power range between dyno rating and intermittent rating.
Testing requirements more than 8 hours should be evaluated per application.

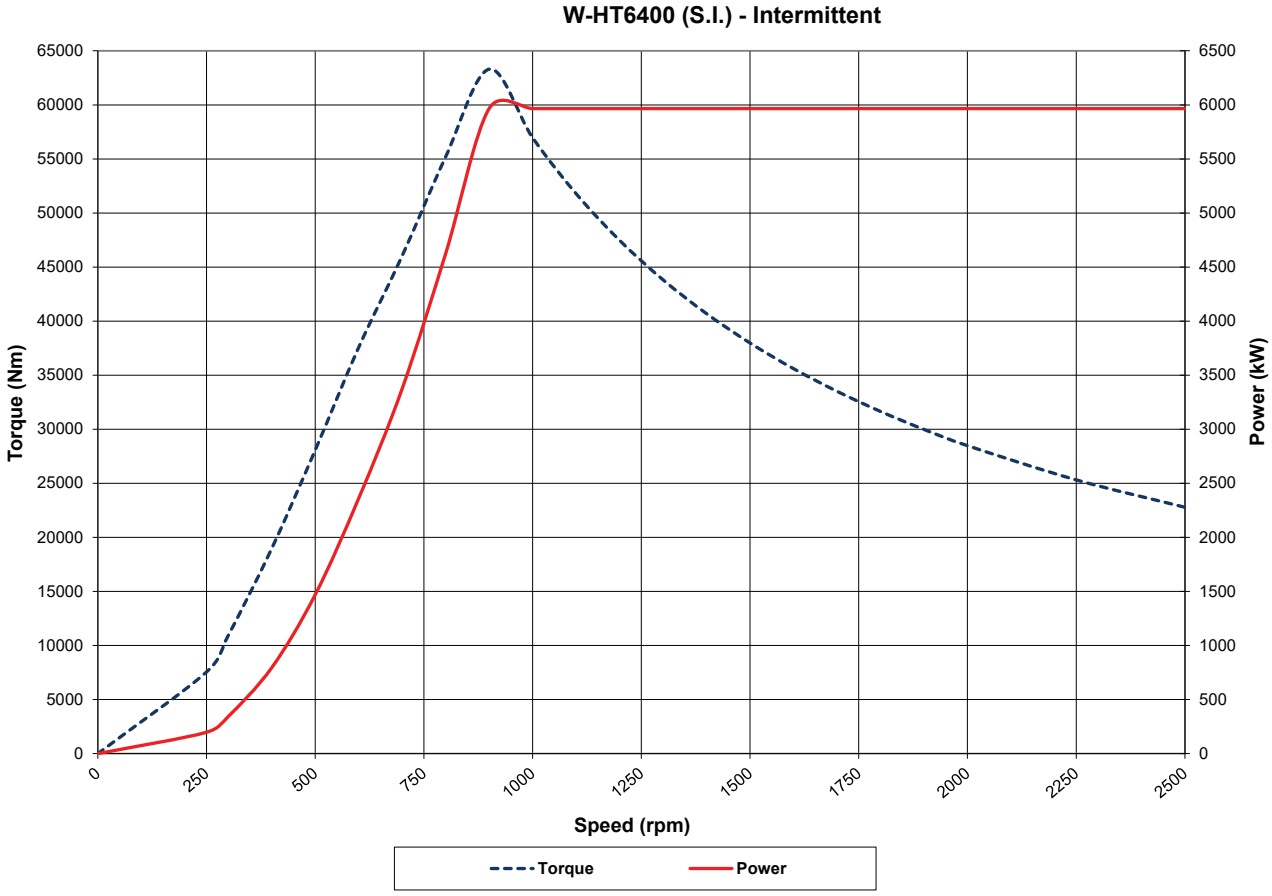
W-HT6400 (US Customary)

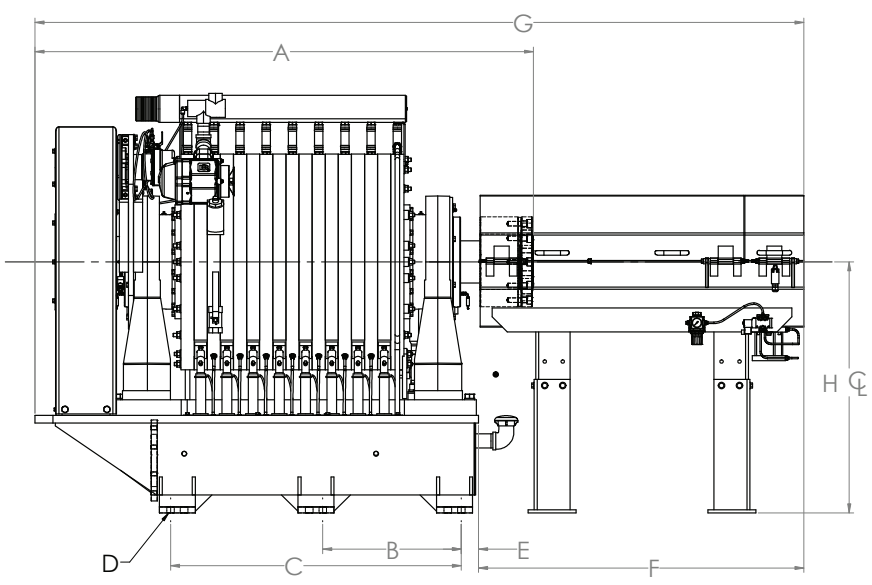


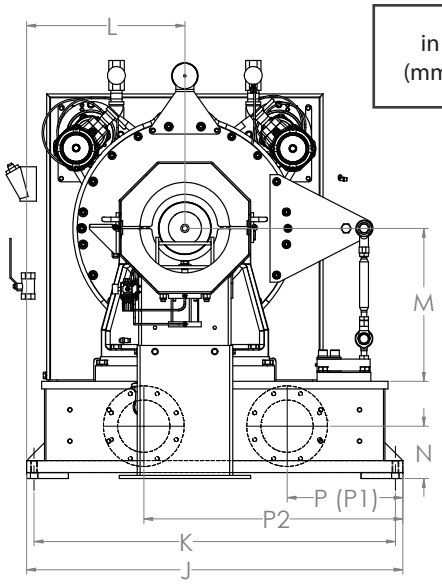
W-HT6400 (S.I.)




W-HT6400 (US Customary) - Intermittent
Torque (lb-ft)
Power (hp)
Speed (rpm)
Torque
Power


W-HT6400 (S.I.) - Intermittent
Torque (Nm)
Power (kW)
Speed (rpm)
Torque
Power





in
(mm)

Units	A	B	C	D	E	F	G	H
US Customary	83.00	23.13	48.50	ø1.25	2.88	54.13	128.50	42.00 or 48.00
S.I.	2,108	587.4	1,232	ø31.8	69.9	1,375	3,508	1,067 or 1,219

Units	J	K	L	M	N	P (P1)	P2*
US Customary	63.00	60.50	26.50	25.63	8.75 or 11.5	19.63 or 36.50	43.63
S.I.	1,600	1,537	673.1	650.9	222.3 or 292.1	489.6 or 927.1	1,108

* 2nd Flange, P2, Is only Applicable to 42" Models

As a safety precaution, we recommend 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.

Power Test®, LLC, an industry leader in the design, manufacture and sale of dynamometers, specialized test systems, and related data acquisition and control systems. Power Test, LLC, offers a comprehensive portfolio of brands including Power Test, Taylor Dyno™, Dyne Systems™, SuperFlow®, Axiline® Precision Products, Hicklin® Engineering, Stuska® Dynamometer, and Torque Converter Rebuilding Systems (TCRS™), that have long been the standard for quality in the testing industry. As your equipment testing partner for innovative products and comprehensive life-cycle services and support, we are dedicated to delivering an exceptional experience by offering specialized solutions to Make Your Testing Easy.