

# TAYLOR'S ENGINE DYNAMOMETERS ARE BUILT TO LAST

## Proven Durability

Taylor Dynamometer's engine dynamometers are known for their longevity. Taylor builds every one of its products with heavy-duty components, then supports each with legendary service. The end result is a track record of proven durability in the trucking, off-road, military, and mining industries.

**DX36**



## Power Absorption

Taylor has been manufacturing hydraulic dynamometers since the 1930's. Hydraulic dynamometers are commonly referred to as water-brake dynamometers. Water-brake dynamometers are particularly well suited for both steady state and transient testing and are known for low acquisition cost, limited maintenance, low inertia, and durability.

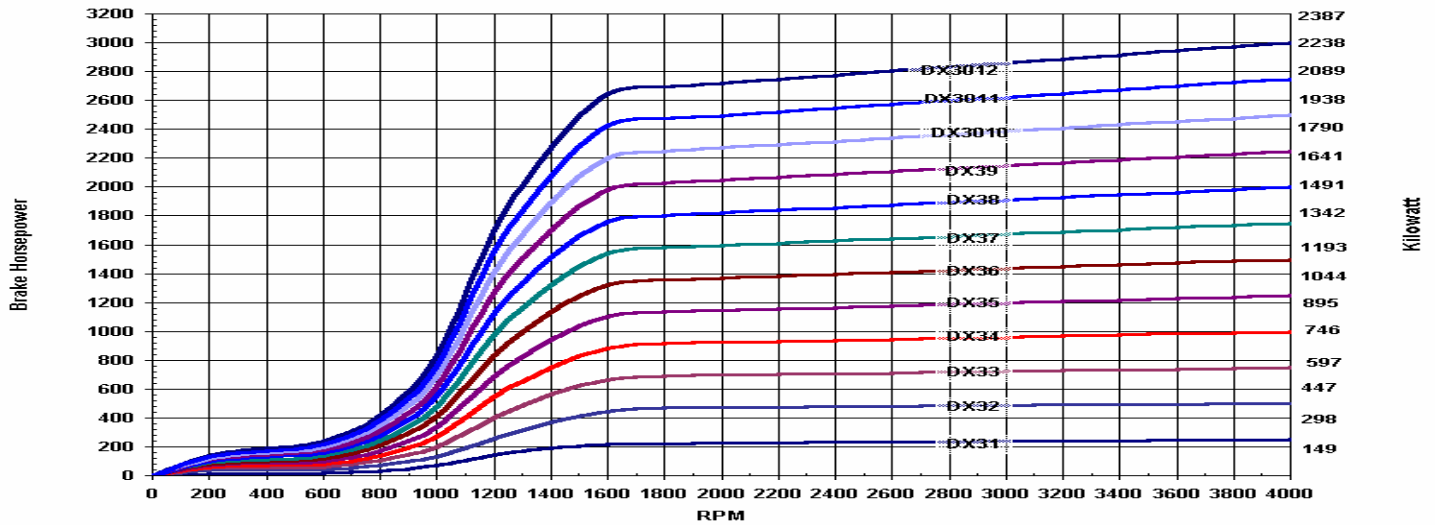
The power from the engine is absorbed by the turbulence and backpressure from the water within the dynamometer. This braking action or load is developed by a rotor that directs the water against the stator. The stator in turn redirects the water back against the rotor, thereby opposing the motion of the rotor. The greater the flow of the water through the dynamometer the greater the braking action or load.

## The Complete Diagnostic System

Taylor's engine dynamometer is the most important engine diagnostic tool available, allowing you to quickly troubleshoot problems such as low horsepower, insufficient torque, and leaks. Our engine dynamometers will verify that the repair is completed, that the engine is operating according to specifications, and can be used to break-in engines before installation.

## MODEL SPECIFICATIONS

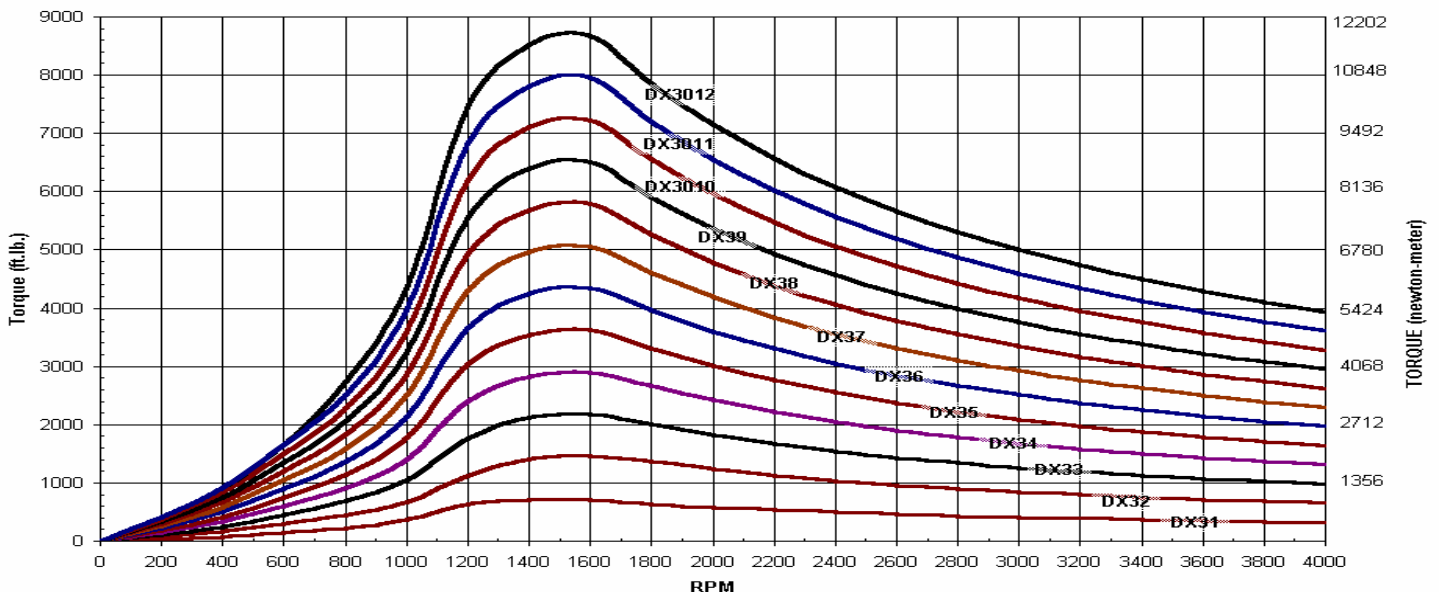
MODEL	MAXIMUM RPM	MAXIMUM HP
DX31	4000	250
DX32	4000	500
DX33	4000	750
DX34	4000	1000
DX35	4000	1250
DX36	4000	1500
DX37	4000	1750
DX38	4000	2000
DX39	4000	2250
DX3010	4000	2500
DX3011	4000	2750
DX3012	4000	3000
DS4010	2800	3500
DS4011	2500	3850
DS4012	2500	4250

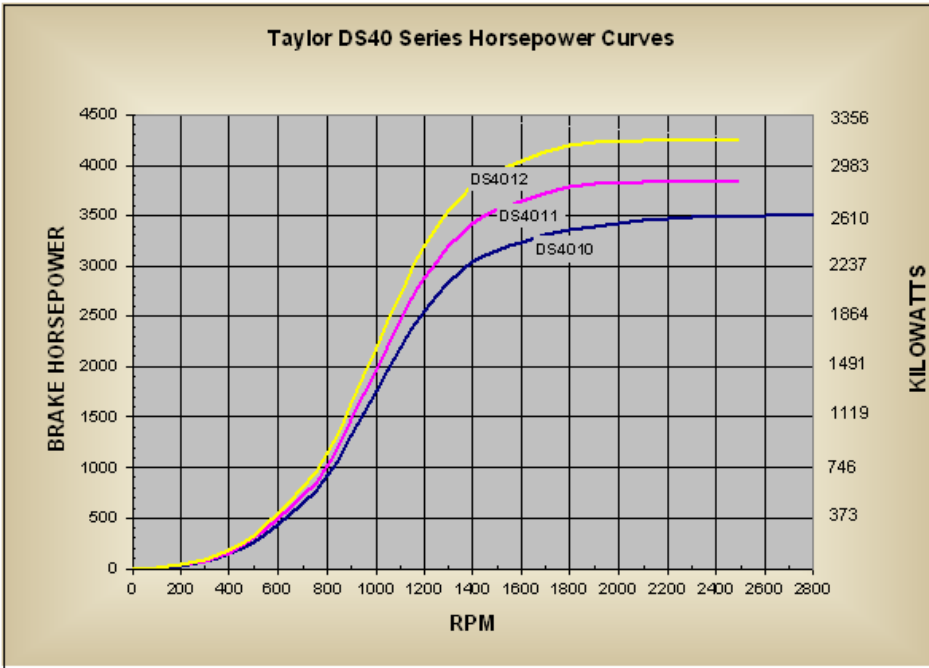


## DX30 Series of Engine Dynamometers

Our DX series includes 12 different models, all of which enjoy the same construction design. Horsepower absorption capacity is measured across the product line by adding stators and rotors. Taylor's DX dynamometers can be operated in both direction of rotation.

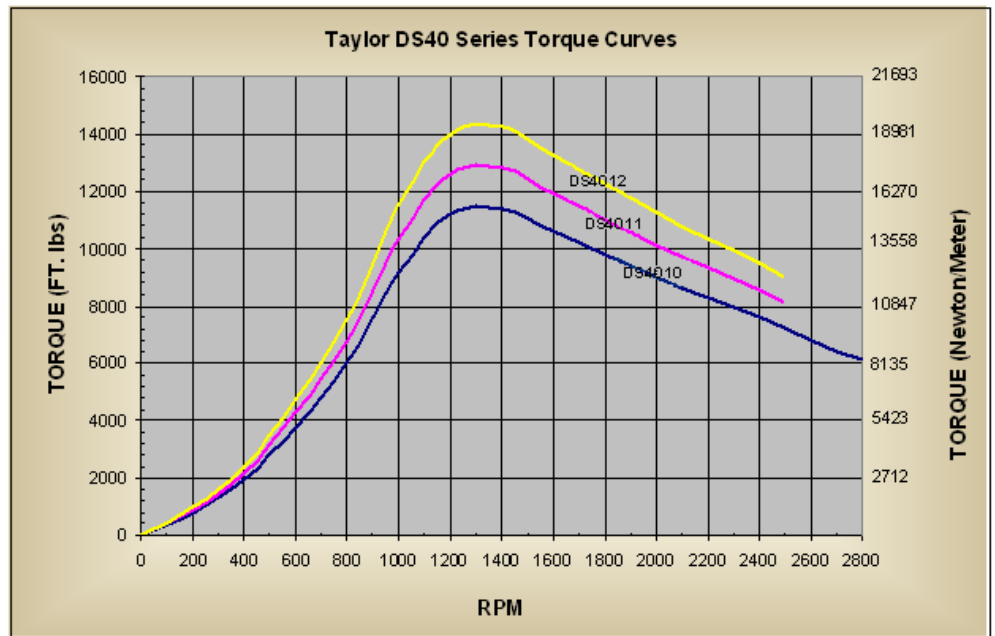
The DX series accommodates horsepower ranges from as little as 50 hp to as much as 3000 hp and can operate at up to 4000 rpm. Taylor currently has over 2000 DX dynamometers operating around the world. You'll find a DX dynamometer on every continent, in more than 60 countries. Many of these units have been in operation for over 30 years.





Taylor's DS series includes 3 different models with capacities ranging from 3500 hp up to 4250 hp. Like the DX series, the capacity is determined by the number of rotors and stators. The DS series is similar in design to the DX series with the increased capacity achieved primarily with larger diameter components. The DS dynamometers operate in both directions of rotation and at RPMs up to 2800.

# DS40 Series of Engine Dynamometers

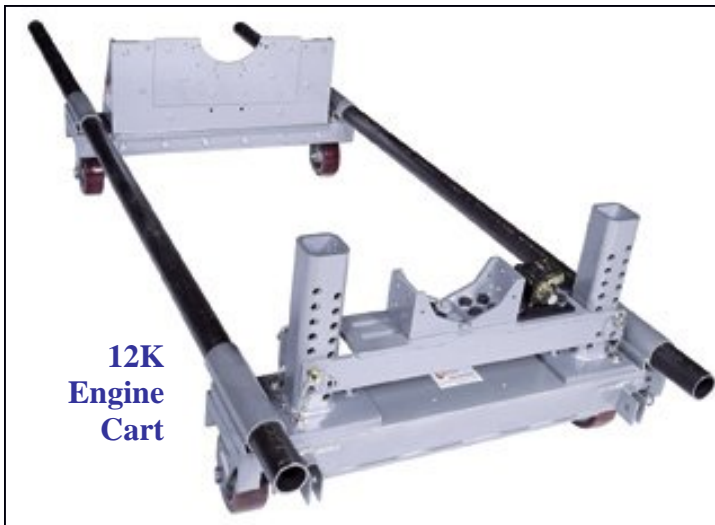


# Accessories

On each of our engine dynamometers, Taylor provides the option of including: **1810/1880/1910-style driveshaft, torsional couplings, adapter-plate kit, shaft guards and pre-fab sub-base**

## Taylor provides a full line of accessories for your engine dynamometer:

- Engine Carts
  - 6, 12, and 18,000 lb-capacity
  - Includes adjustable fan-end support
- Engine Starters
  - Pneumatic, counterclockwise or clockwise available
  - Available in 35 and 80 HP
- Engine Cooling Columns
  - Stainless steel baffle and internal components; mobile or wall-mount
  - Available in full range of engine dynamometer HP capacities



- Custom Water Recirculating Systems
  - Each system tailored to local weather conditions, dynamometer size and room configuration
  - Improves dynamometer performance, reduces operating costs, and minimizes environmental impact
- Flywheel Adapter Kit
  - 5 pre-formed plates machined to mate with a hub for easy hook-up
  - Each plate is drilled with a variety of flywheel hole patterns
  - Provides versatility and eliminates the necessity of stocking a different plate for each engine model
- Installation Services
- Dynamometer Rebuilding Services
- Expandable to include Taylor's control unit and data acquisition software

