



GO POWER SYSTEMS

MODEL SPECIFICATIONS

- 800 HP Maximum Power
- 2,000 ft-lbs Maximum Torque
- 5,000 rpm Maximum Speed
- Bidirectional absorption

TECHNICAL SPECIFICATIONS

- Absorption Type: Water Brake
- Construction: Stainless steel alloy
- Bearings: Roller and ball type
- Lubrication: 90w gear oil (crankcase), greased hub
- Operating range: Up to 5,000 rpm
- Rotation Direction: Bidirectional
- Torque Sensor: Electronic strain gauge (0-30mv)
- Speed Sensor: 60-tooth gear with inductive pulse pickup

WATER REQUIREMENTS

- Inlet: 1.25 in. (32 mm) diameter
75 gpm flow @ 800 HP
- Outlet: 1 in. (26 mm) gravity drain to atmosphere
- Dynamic pressure: 45 psi (3.00 bar)

ENGINE ADAPTATION:

- SAE flywheel housing adapter:
#1/2-4 standard (0 & 00 available)
- Universal SAE flywheel adapters:
Stock & custom adapters available

DIMENSIONS & SHIPPING

- Width: 25 in.
- Height: 22 in.
- Depth: 17 in.
- Weight: 290 lbs.

BENEFITS

- Portable
- Compact design
- Adaptable for In-Chassis Testing
- Long service-life
- Reliable
- Cost effective

Fact Sheet:

DT2000SG Diesel Dynamometer

Designed for endurance and/or power testing of heavy duty industrial diesel engines and other high torque applications.



800 HP (600 kW) High Torque Dynamometer

- High strength aluminum alloy modular construction.
- Includes strain gauge load cell, speed sensor, inlet, discharge and vent hoses 4.5 m (15 ft). Mechanical seal feed line assembly also included.
- Engine flywheel housing spacer with mounting hardware included.
- Requires flywheel adapter kit (p/n DAK-xx or TDA-1000 with 50156-x adapter for engine interface).
- Splined interface stub shaft included.



Power – Torque Curve

The **DT2000SG** dynamometer is designed for use with industrial diesel engines at speeds up to 3,500 rpm continuous and 5,000 rpm intermittent. It is designed to be quickly and easily fitted to an engine mounted on a fixed base or mobile engine stand. When combined with a Go Power Systems instrumentation package this allows the user to achieve precise and repeatable testing results with minimum of set-up time.

This dynamometer is capable of absorbing power in two directions of rotation in accordance with the capacity diagram. Also available is a wide variety of adapters and engine carts which allow attachment to all standard engine types. Go Power Systems engineering can readily design adapters for virtually any application, in addition to cooling columns, engine carts, engine adapters and many other accessories allowing the end user to outfit test cells from the entry level to the most sophisticated automated data acquisition control systems.

CONTACT

Go Power Systems

A Froude Company

41123 Jo Drive

Novi, MI 48375

248.579.4295

info@gopowersystems.com

www.gopowersystems.com

www.froudedynocom

Torque
(lbf-ft) (Nm)

Power
(kW) (Bhp)

