



Fact Sheet:

## D357SG Dynamometer



#### MODEL SPECIFICATIONS:

- > 447 kW Maximum Power
- > 678 Nm Maximum Torque
- > 10,000 rpm Maximum Speed  
(12,000 rpm with optional oiled bearings)
- > Bidirectional absorption

#### BENEFITS:

- > Portable
- > Long service-life cycle
- > Reliable
- > Cost effective

For more information contact us at:

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Australia, New Zealand, Malaysia, Indonesia, Vietnam, Thailand, Philippines, Singapore



## Fact Sheet: D357SG Dynamometer

The D-57 series dynamometers can be used both with diesel and gasoline automotive engines at speeds up to 7,500 rpm continuous and 10,000 rpm intermittent. The D-57 is designed to be quickly and easily fitted to an engine mounted on a fixed base or mobile engine stand. The ease of use, when combined with a Go Power Systems instrumentation package, allows the user to achieve precise testing and results with minimum set up time.

There are a wide variety of adapters and engine carts available which will allow attachment to all standard engine types. Go Power Systems engineering can readily design adapters for virtually any application.

Go Power Systems has available cooling columns, engine carts, engine adapters and many other options and accessories necessary to outfit test cells from the entry level to the most sophisticated automated data acquisition control systems.

### TECHNICAL SPECIFICATIONS:

- > Type of absorption: Water brake
- > Control: Load varied at Inlet (outlet fitting(s) contain restrictor orifice)
- > Construction: High strength phosphor-bronze alloy
- > Bearings: Four (4) grease roller/ball type or lubricated roller/ball
- > Operating range: 7,500 rpm continuous, 10,000 rpm intermittent
- > Rotation direction: Clockwise or counter clockwise
- > Torque sensor: Electronic strain gauge
- > Speed sensor: 60 tooth gear with inductive pulse pickup
- > Mainshaft: Hardened Stainless steel

### WATER REQUIREMENTS:

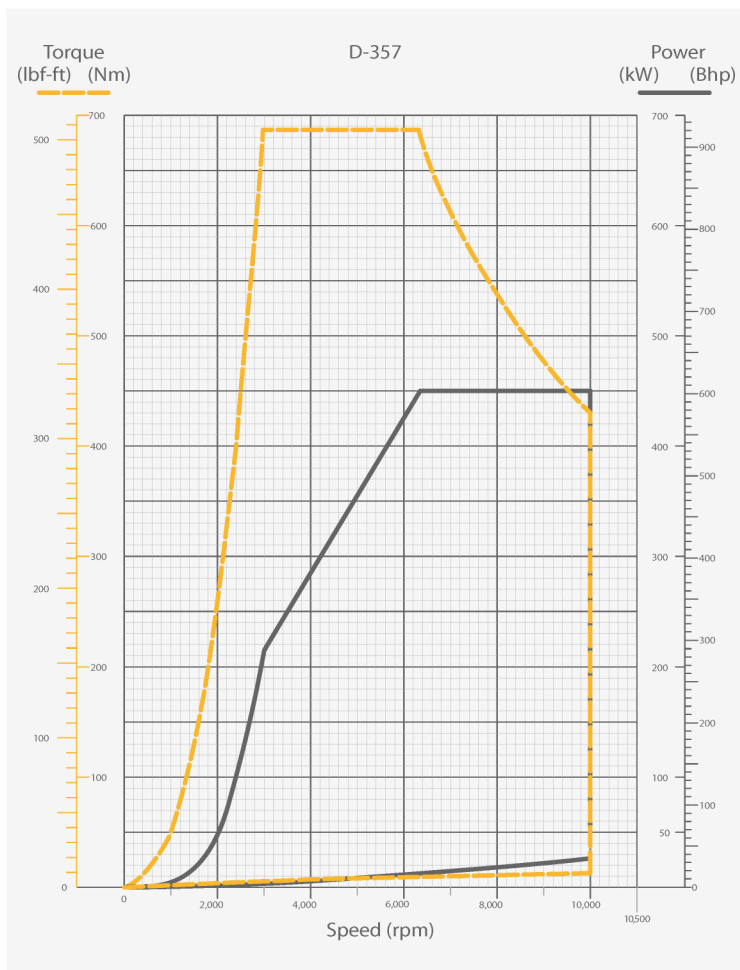
- > Inlet: 26 mm, 55 gpm (208 lpm) (@ 447 kW)
- > Outlet: 1.0 in (25 mm) gravity drain to atmosphere
- > Dynamic pressure: 4.10 bar

### ENGINE ADAPTATION:

- > Mounting: Bellhousing adapter plate (fits most standard patterns-can be drilled to match others)
- > Flywheel interface: Splined input shaft adapter engages clutch assembly and pilots into crankshaft. We also design custom adapters for many custom applications. Torsional dampening is required. Call for details

### DIMENSIONS & SHIPPING DETAILS:

- > Width: 38 cm
- > Height: 42 cm
- > Depth: 58 cm
- > Weight: 75 lbs (34 kg)



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