DM-8101HS Eddy Current Dynamometer

**Specifications**

- **Power:** 300 hp (224 kW)
- **Max Torque at Base Speed:** 733 lb-ft (994 Nm)
- **Base Speed:** 2,150 rpm
- **Max. Speed:** 10,000 rpm
- **Construction Type:** Wet Gap
- **Rotor Inertia:** 17.7 lb-ft² (0.75 kg-m²)
- **Coolant Required at Max. Power:** 30 gpm (113.6 lpm)
- **Coolant Inlet (Min-Max):** 55-100 psi (378-689 kPa)
- **Coolant Inlet Temperature Max:** 90°F (32.2°C)
- **Shipping Weight (estimate):** 2,200 lb (998 kg)
- **Companion Flange / Hub Pattern:** 1550 - US Customary
- **Coil Voltage / Hot Amperage:** 90V / 7.3 amps
- **Rotation:** bi-directional

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

**Recommended Accessories**

- Driveshaft - 1550
- Torsional Coupling - 1550
- Flywheel Adapter Plate Kit
- Driveshaft Guard
- Sub-Base Kit
- Engine Cart
- Air or Electric Starter
- Charge Air Cooler
- Water Recirculating System

*Example Model Shown (Image may not depict all standard included components)*

*Everything you need to succeed*
Optional Accessories

Optional Manual Shaft Lock

Optional Closed Loop Cooling Center

Optional Charge Air Cooler

Optional Driveshaft Guard

Optional Engine Cart

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

(414) 755-0040  www.dynesystems.com
As a safety precaution, Dyne Systems 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.