



DM-8123 / Engine Dynamometer



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

DM-8123 Eddy Current Dynamometer

Specifications

Power:	800 hp (597 kW)
Max Torque at Base Speed:	1,556 lb-ft (2,110 Nm)
Base Speed:	2,700 rpm
Max. Speed:	6,000 rpm
Construction Type:	Wet Gap
Rotor Inertia:	37 lb-ft ² (1.56 kg-m ²)
Coolant Required at Max. Power:	80 gpm (302.8 lpm)
Coolant Inlet (Min-Max):	55-100 psi (378-689 kPa)
Coolant Inlet Temperature Max:	90°F (32.2°C)
Shipping Weight (estimate):	3,000 lb (1,361 kg)
Companion Flange / Hub Pattern:	1610 - US Customary
Coil Voltage / Hot Amperage:	90V / 10.14 amps

Recommended Accessories

- Driveshaft - 1610
- Torsional Coupling - 1610
- Flywheel Adapter Plate Kit
- Driveshaft Guard
- Sub-Base Kit
- Engine Cart
- Air or Electric Starter
- Engine Cooling Column
- Charge Air Cooler
- Water Recirculating System

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

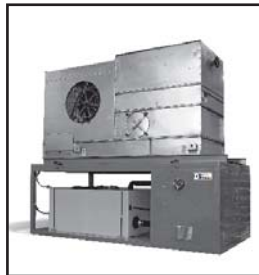
Various Facility Support Systems and Services Available



Bulk Fuel Storage
and Distribution



Coolant Storage
and Distribution



Water
Recirculation

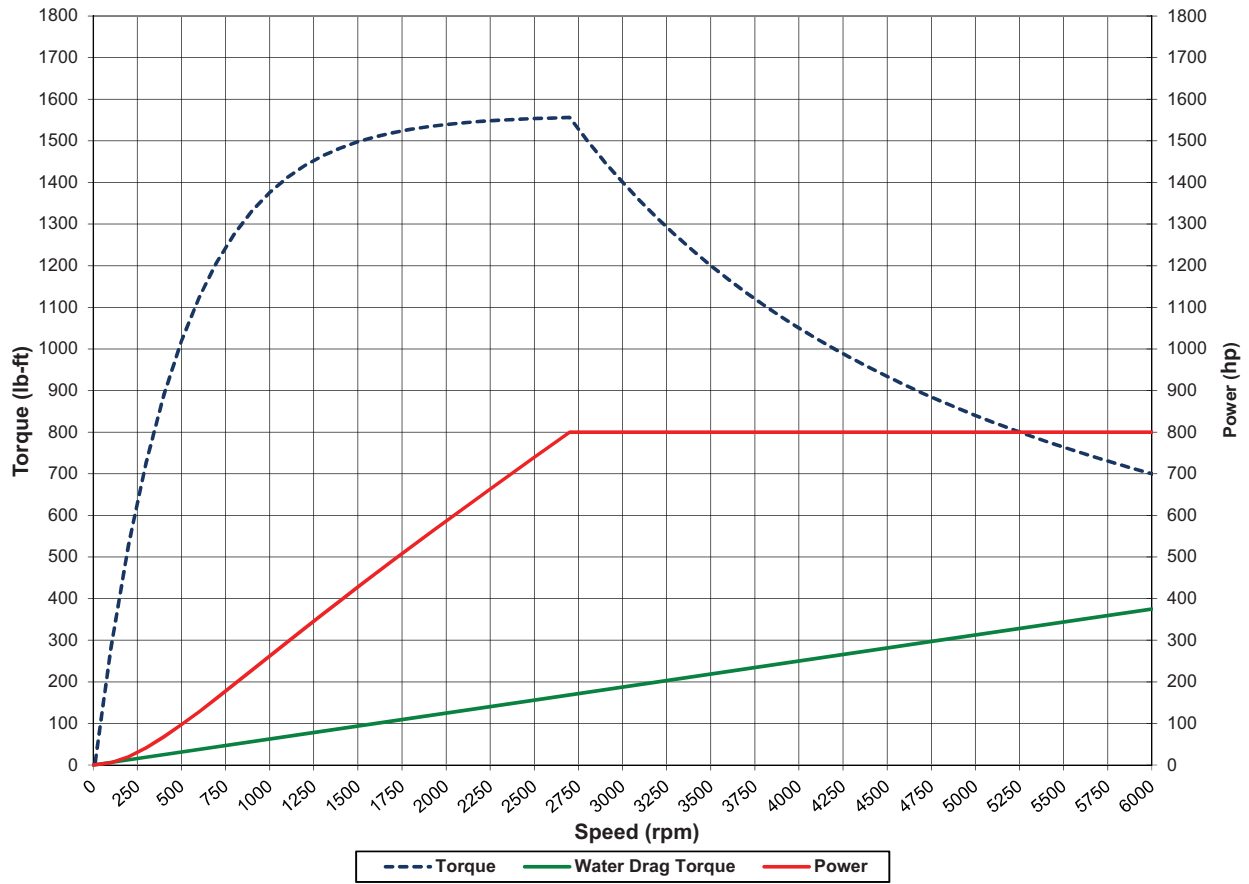


Design, Project
& Construction
Management Services

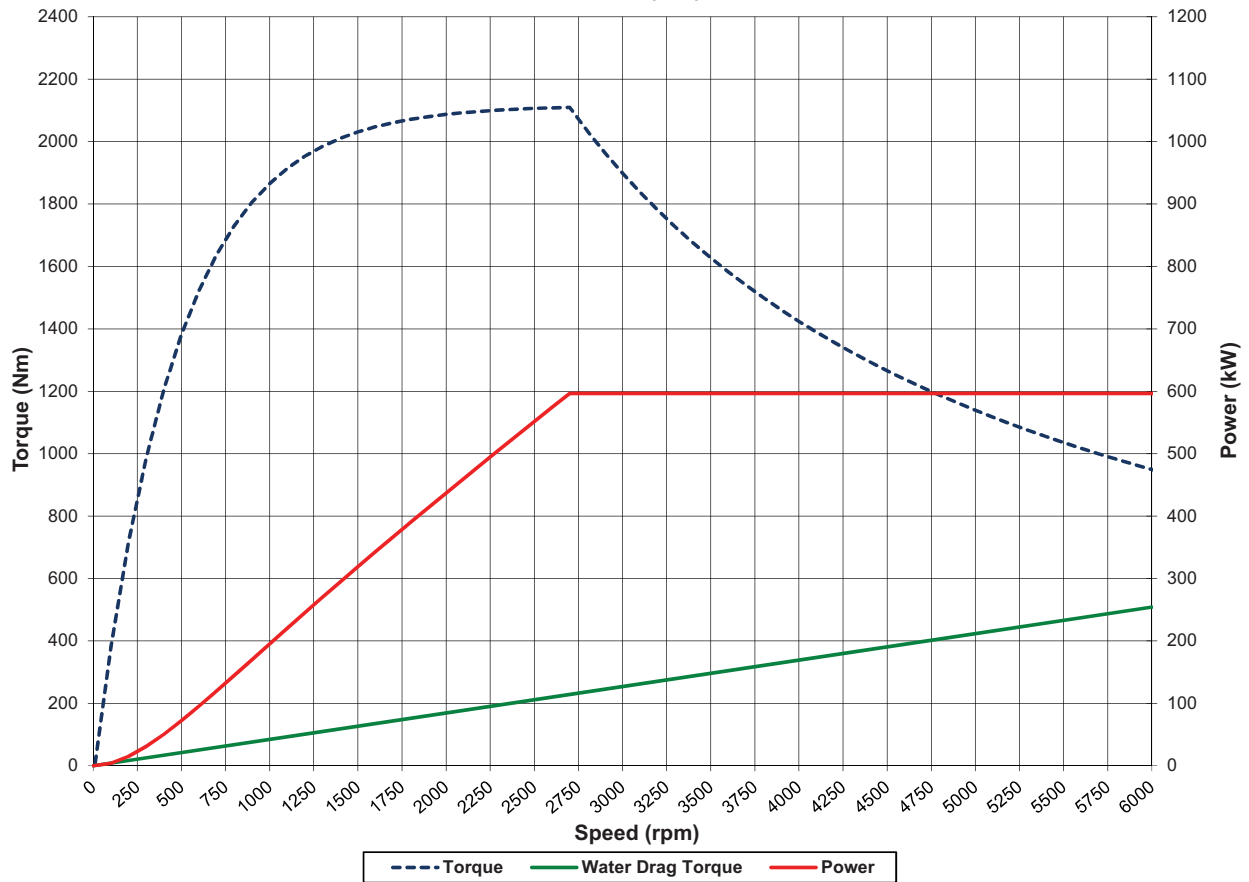


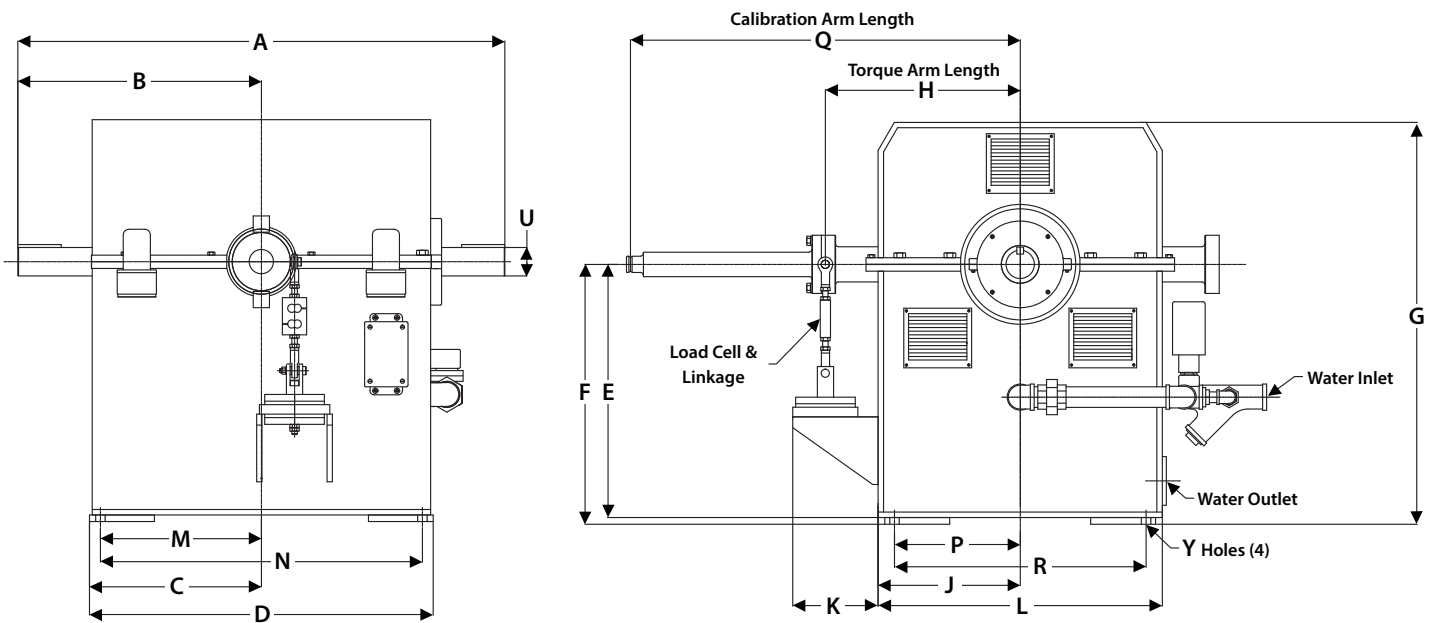
Commissioning,
Start-up & Training

DM-8123 (US Customary)



DM-8123 (S.I.)





Note: Shown without companion flange

Units	A	B	C	D	E	F	G	H	J
US Customary	45	22.5	15.88	31.75	20.88	22	35.12	18	13.12
S.I.	1,143	572	403	806	530	559	892	457	333

Units	K	L	M	N	P	Q	R	U	Y
US Customary	8.25	26.24	14.88	29.75	11.62	36	23.24	2.63	0.88
S.I.	210	666	378	756	295	914	590	67	22

(All dimensions are for new OEM supplied units)

Standard Included Components

- Load Cell and Linkage
- Cooling Safety Package
- Calibration Arm
- Calibration Weight Hanger
- Companion Flange / Hub Pattern 1610 - US Customary
- Shaft End Guard
- Magnetic Pickup and 60-tooth Gear
- Constant Level Oilers

Everything you need to succeed



Dyne Systems is a division of Taylor Dynamometer
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