

## DM-8151 / Engine Dynamometer



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

## DM-8151 Eddy Current Dynamometer

### Specifications

Power:	700 hp (522kW)
Max Torque at Base Speed:	2,626 lb-ft (3,560 Nm)
Base Speed:	1,400 rpm
Max. Speed:	4,000 rpm
Construction Type:	Wet Gap
Rotor Inertia:	124 lb-ft <sup>2</sup> (5.23 kg-m <sup>2</sup> )
Coolant Required at Max. Power:	70 gpm (265 lpm)
Coolant Inlet (Min-Max):	55-100 psi (378-689 kPa)
Coolant Inlet Temperature Max:	90°F (32.2°C)
Shipping Weight (estimate):	4,600 lb (2,087 kg)
Companion Flange / Hub Pattern:	1810 - US Customary
Coil Voltage / Hot Amperage:	90V / 11.2 amps

### Recommended Accessories

- Driveshaft - 1810
- Torsional Coupling - 1810
- Flywheel Adapter Plate Kit
- Driveshaft Guard
- Sub-Base Kit
- Engine Cart
- Air or Electric Starter
- Engine Cooling Column
- Charge Air Cooler
- Water Recirculating System

## Optional Accessories



Optional Manual  
Shaft Lock



Optional Closed Loop  
Cooling Center



Optional Charge  
Air Cooler



Optional Driveshaft Guard



Optional Engine Cart

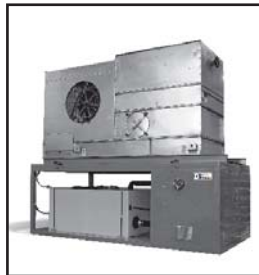
## Various Facility Support Systems and Services Available



Bulk Fuel Storage  
and Distribution



Coolant Storage  
and Distribution



Water  
Recirculation

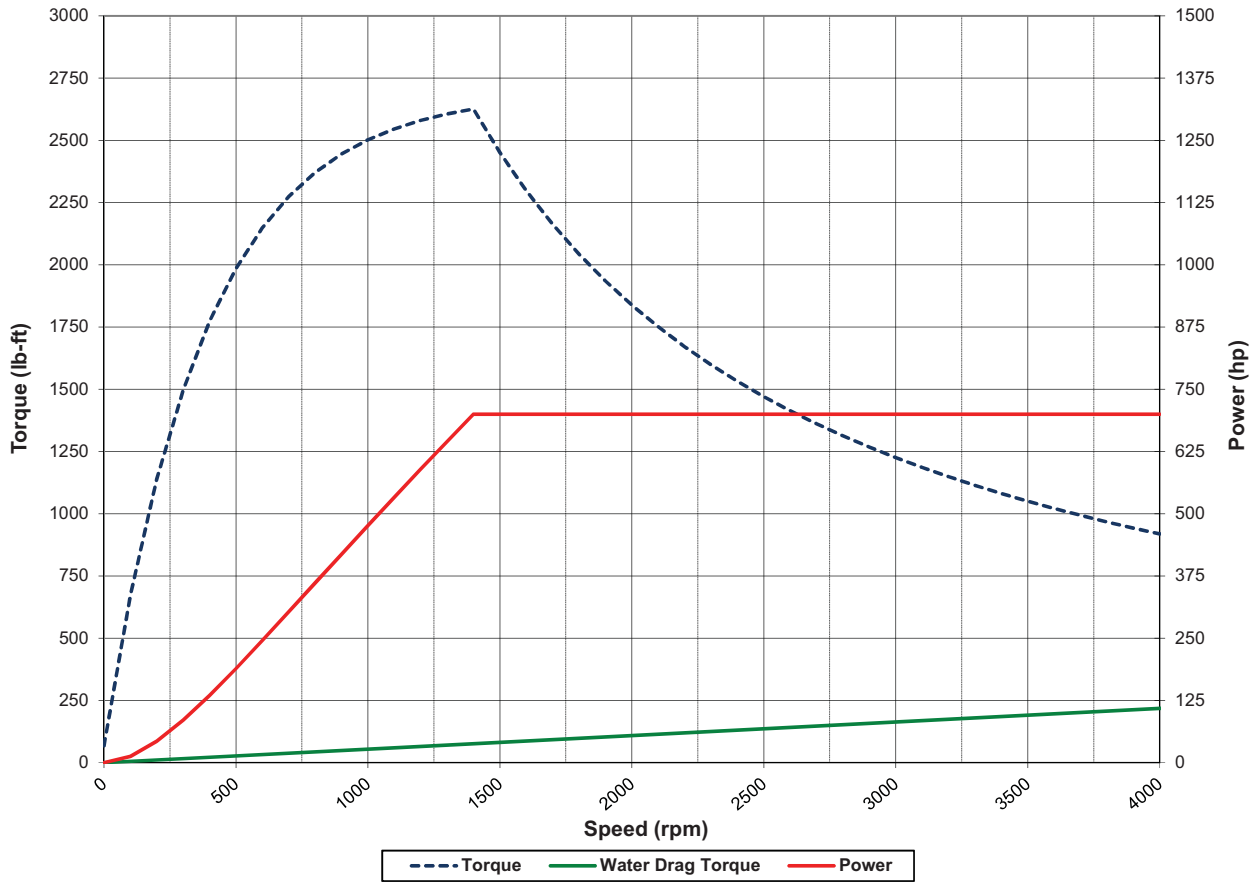


Design, Project  
& Construction  
Management Services

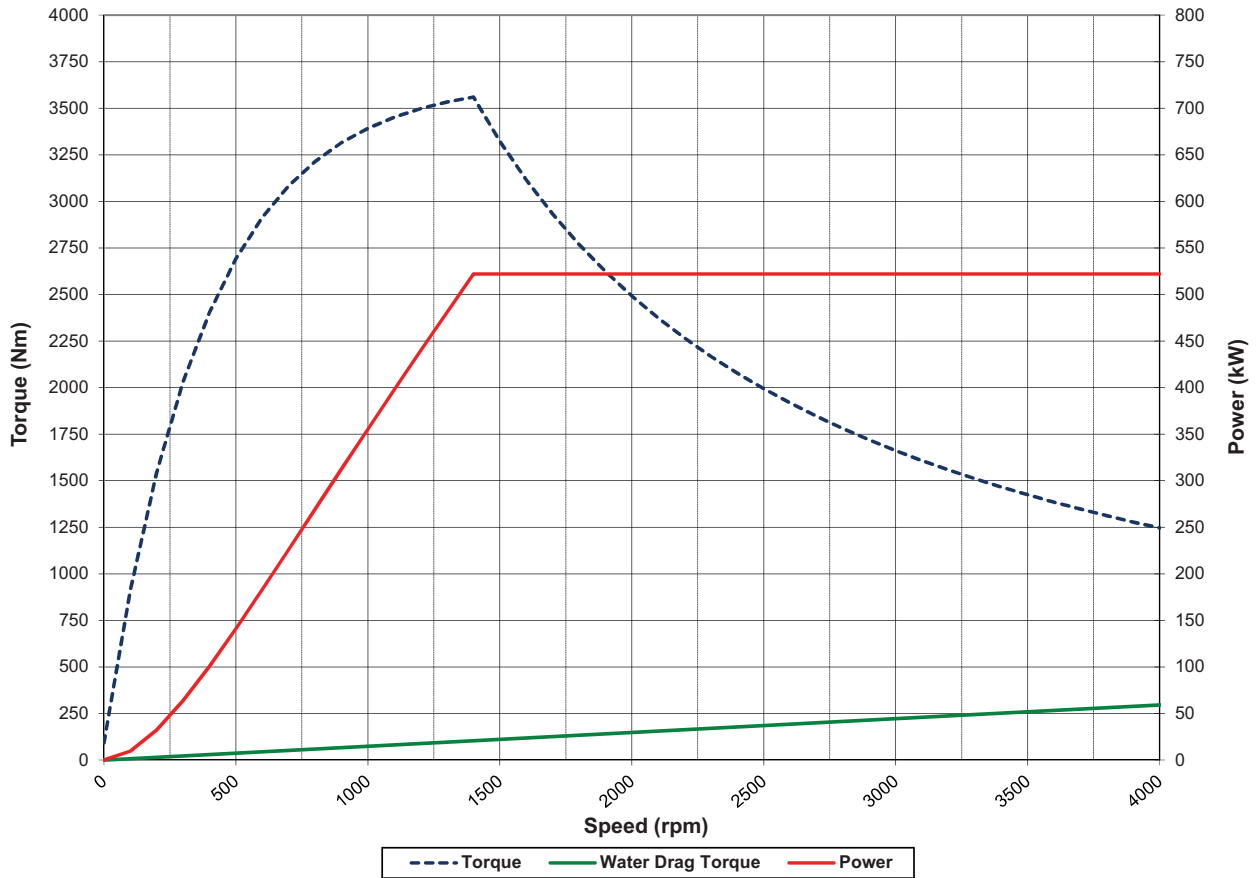


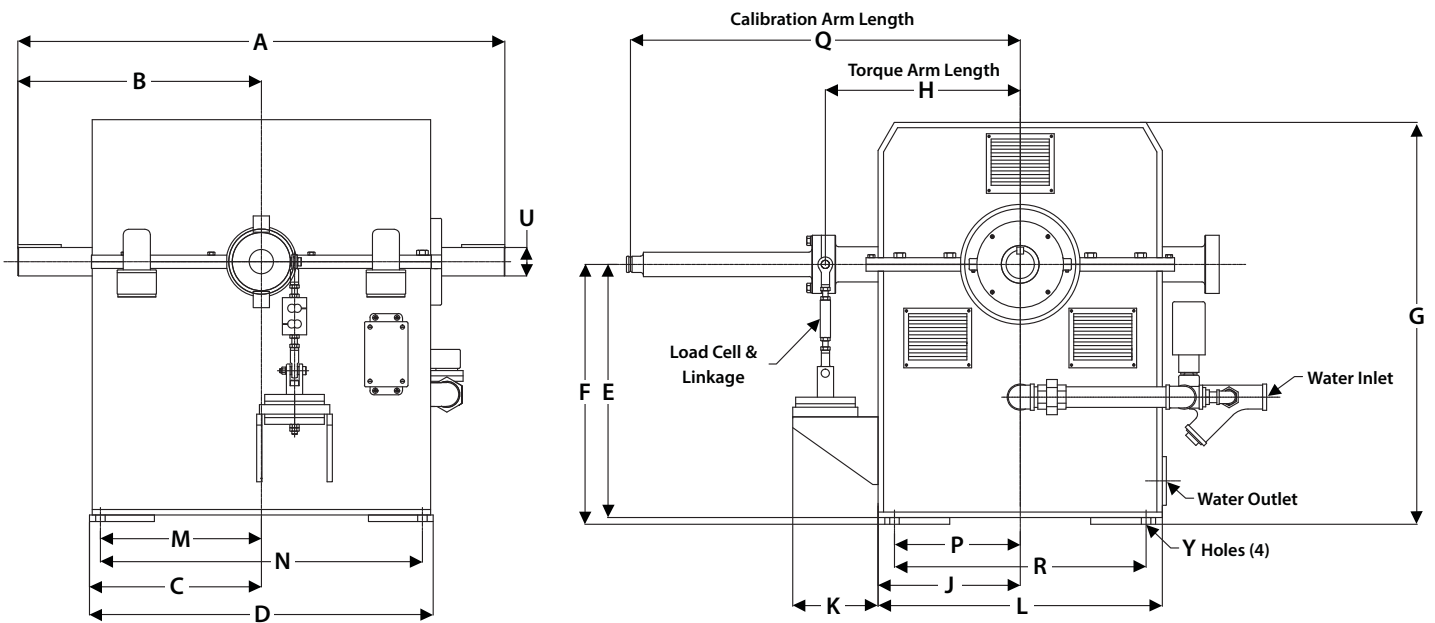
Commissioning,  
Start-up & Training

DM-8151 (US Customary)



DM-8151 (S.I.)





Note: Shown without companion flange

Units	A	B	C	D	E	F	G	H	J
US Customary	52.75	26.38	17.67	35.34	27.25	28	46.8	21	16.81
S.I.	1,340	670	449	898	692	711	1,189	533	427

Units	K	L	M	N	P	Q	R	U	Y
US Customary	7.88	33.62	16.63	33.25	11.62	36	23.25	3.375	1.12
S.I.	200	854	422	845	295	914	591	86	28

(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 1810 - 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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