



## DM-8083HS / Engine Dynamometer



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

## DM-8083HS Eddy Current Dynamometer

### Specifications

Power:	350 hp (261 kW)
Max Torque at Base Speed:	391 lb-ft (530 Nm)
Base Speed:	4,700 rpm
Max. Speed:	12,000 rpm
Construction Type:	Wet Gap
Rotor Inertia:	5.2 lb-ft <sup>2</sup> (0.22 kg-m <sup>2</sup> )
Coolant Required at Max. Power:	35 gpm (132.5 lpm)
Coolant Inlet (Min-Max):	55-100 psi (378-689 kPa)
Coolant Inlet Temperature Max:	90°F (32.2°C)
Shipping Weight (estimate):	1,500 lb (680 kg)
Companion Flange / Hub Pattern:	1410 - US Customary
Coil Voltage / Hot Amperage:	90V / 5.15 amps

### Recommended Accessories

- Driveshaft - 1410
- Torsional Coupling - 1410
- 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

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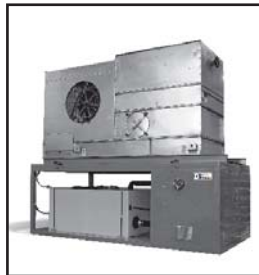
## Various Facility Support Systems and Services Available



Bulk Fuel Storage  
and Distribution



Coolant Storage  
and Distribution



Water  
Recirculation

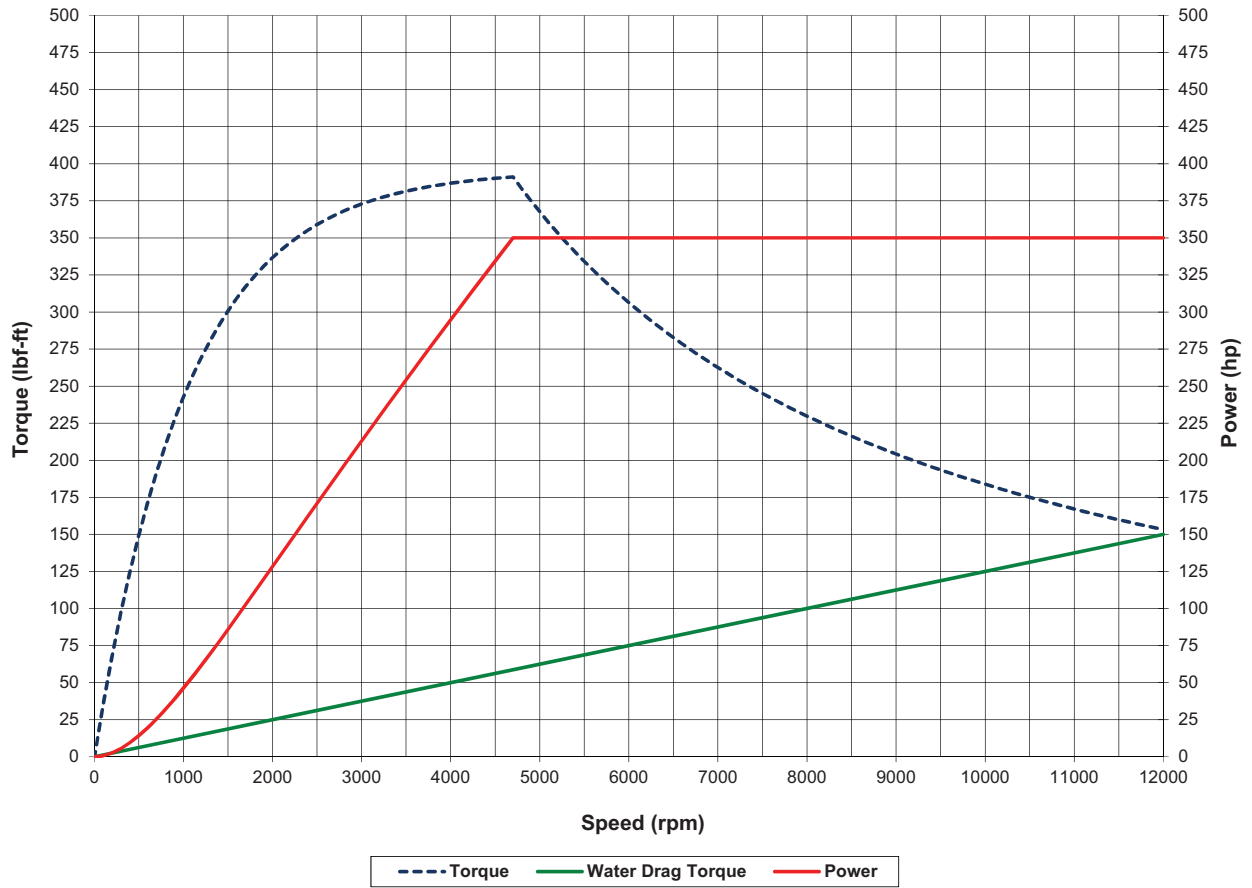


Design, Project  
& Construction  
Management Services

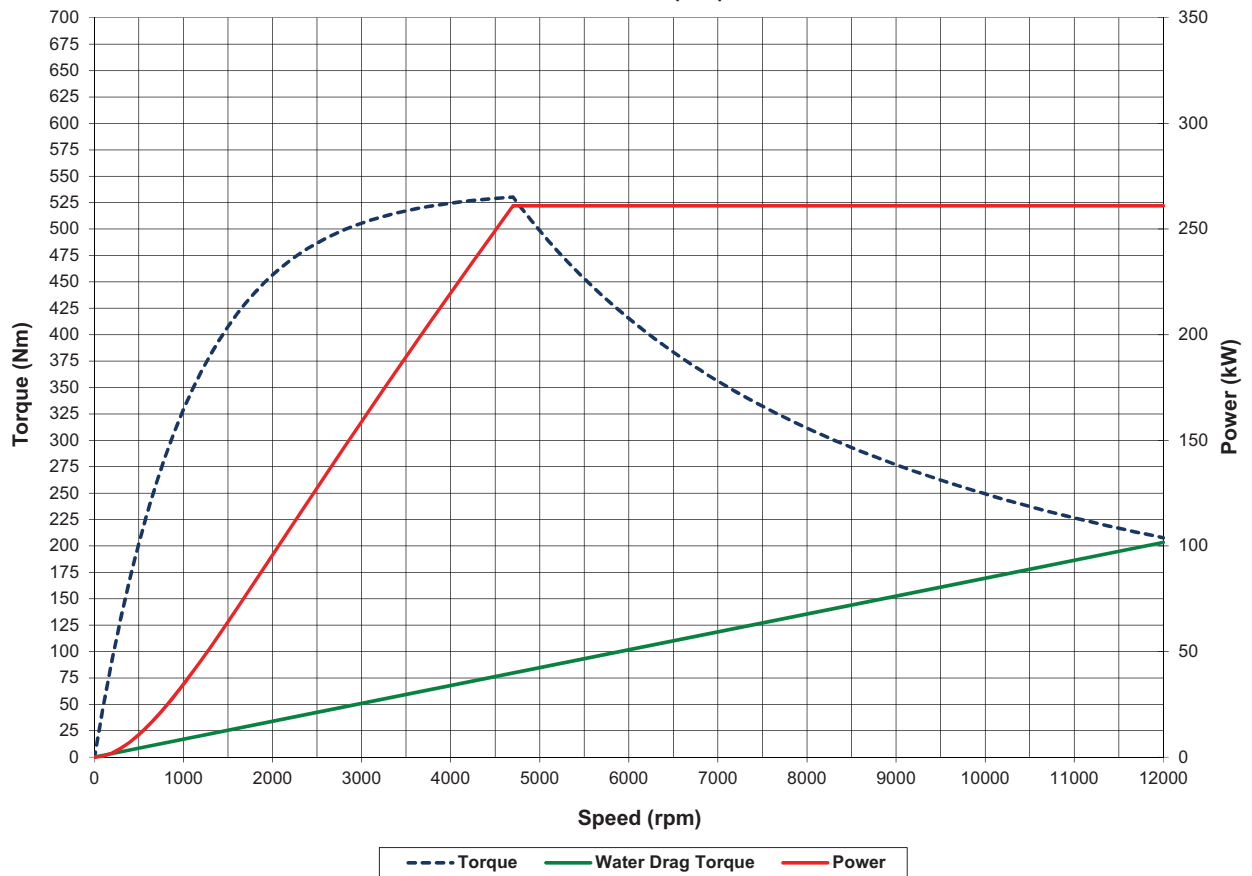


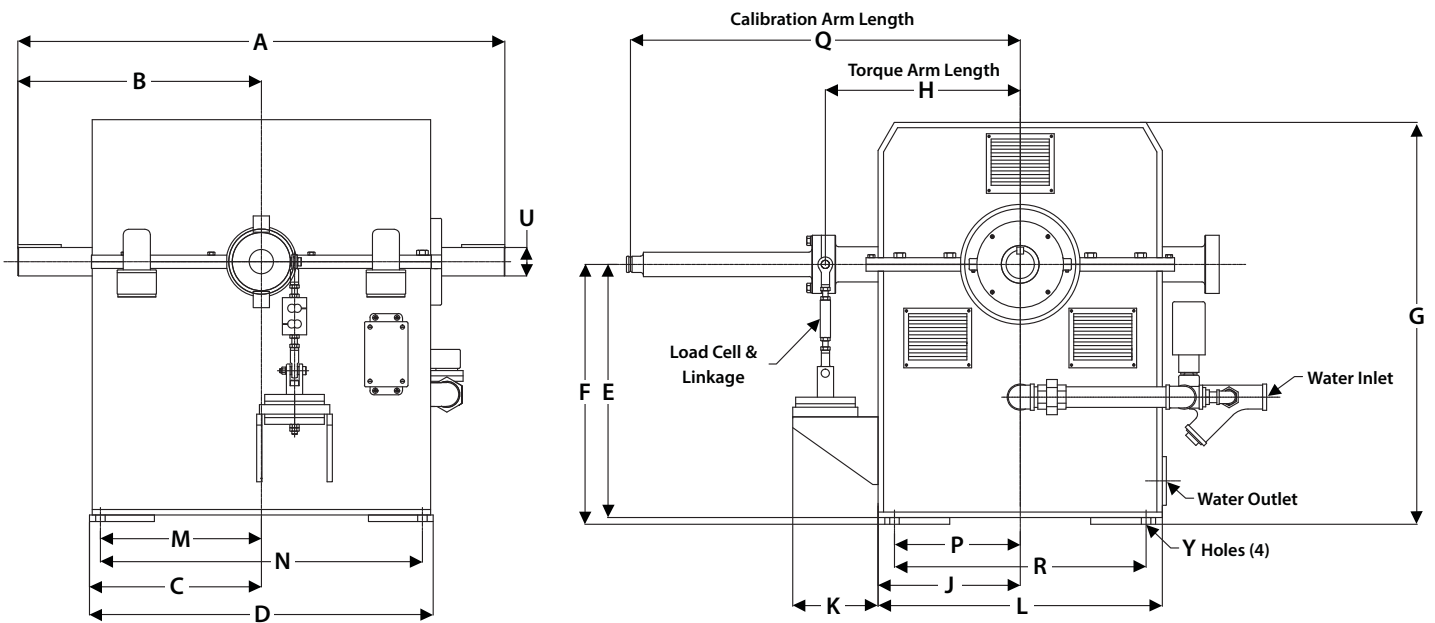
Commissioning,  
Start-up & Training

DM-8083HS (US Customary)



DM-8083HS (S.I.)





Note: Shown without companion flange

Units	A	B	C	D	E	F	G	H	J
<b>US Customary</b>	30.4	15.18	11.56	23.12	15.12	16	25.5	13.5	9.5
<b>S.I.</b>	772	386	294	587	384	406	648	343	241

Units	K	L	M	N	P	Q	R	U	Y
<b>US Customary</b>	5.75	19	10.62	21.24	7.5	24	15	1.63	0.56
<b>S.I.</b>	146	483	270	539	191	610	381	41	14

(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 1410 - US Customary
- Shaft End Guard
- Magnetic Pickup and 60-tooth Gear
- Pressurized Re-Circulating Oil System

*Everything you need to succeed*



Dyne Systems is a division of Taylor Dynamometer  
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