DM-8082HS / Engine Dynamometer

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

DM-8082HS Eddy Current Dynamometer

Specifications

Power:	275 hp (205 kW)
Max Torque at Base Speed:	380 lb-ft (515 Nm)
Base Speed:	3,800 rpm
Max. Speed:	12,000 rpm
Construction Type:	Wet Gap
Rotor Inertia:	5.2 lb-ft^2 (0.22 kg-m^2)
Coolant Required at Max. Power:	27.5 gpm (104 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

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

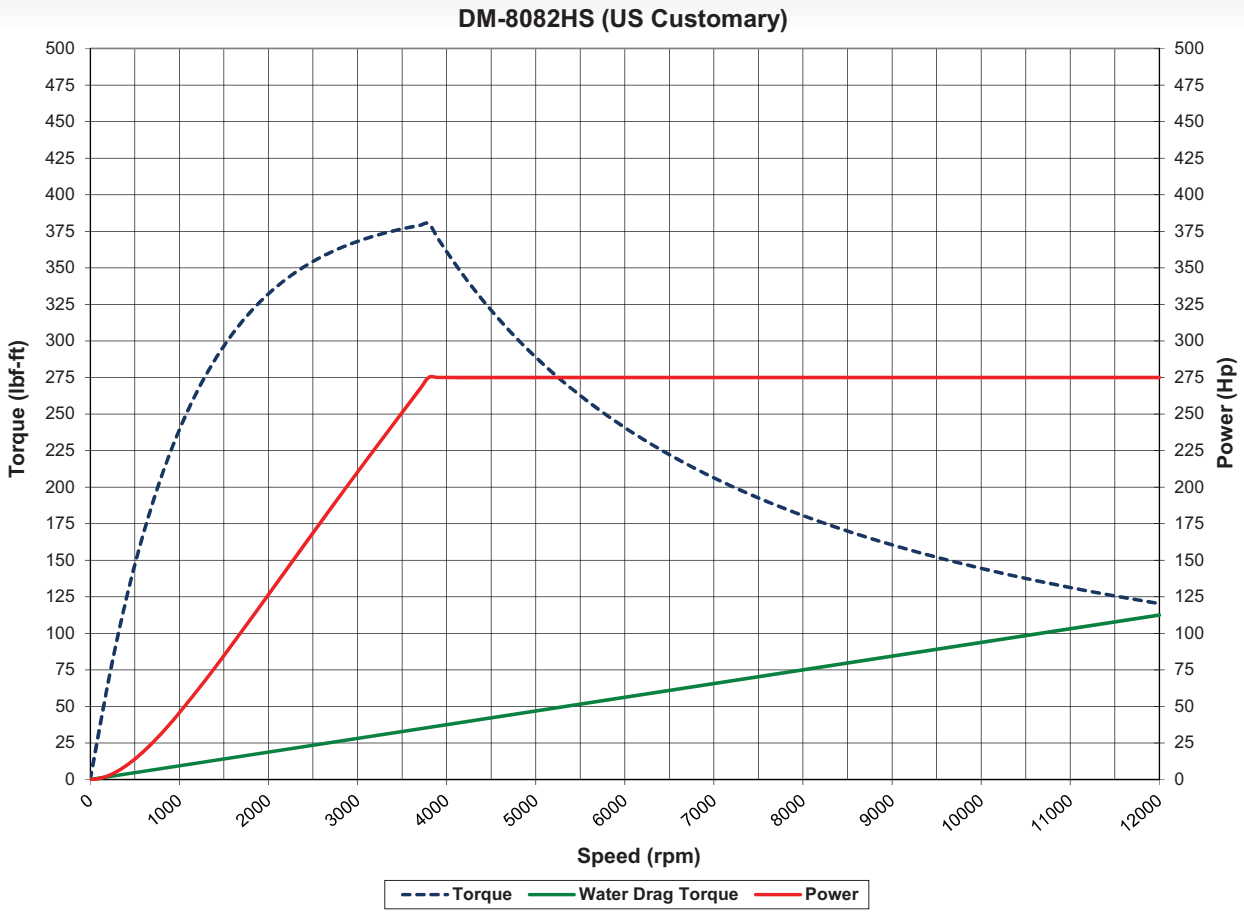
Bulk Fuel Storage
and Distribution

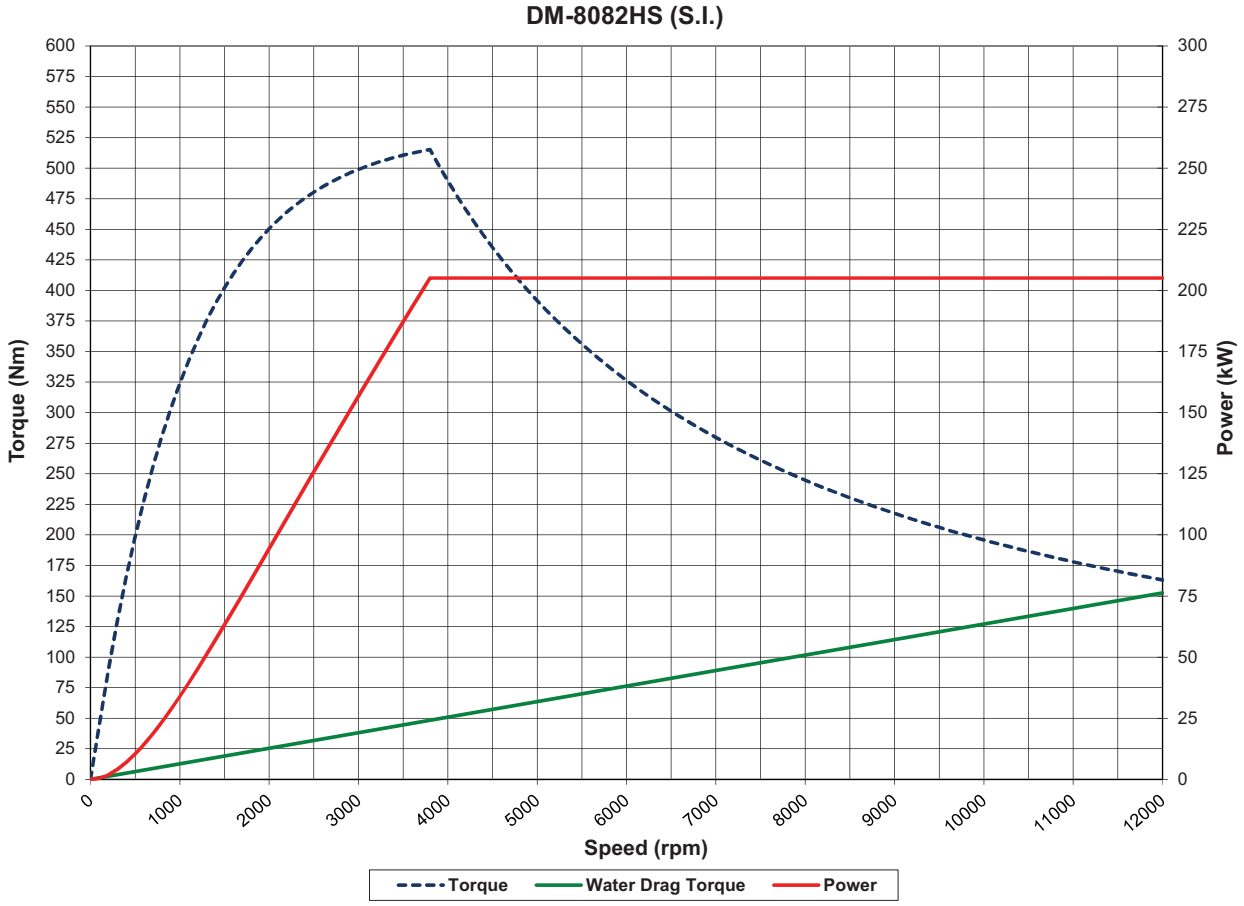
Coolant Storage
and Distribution

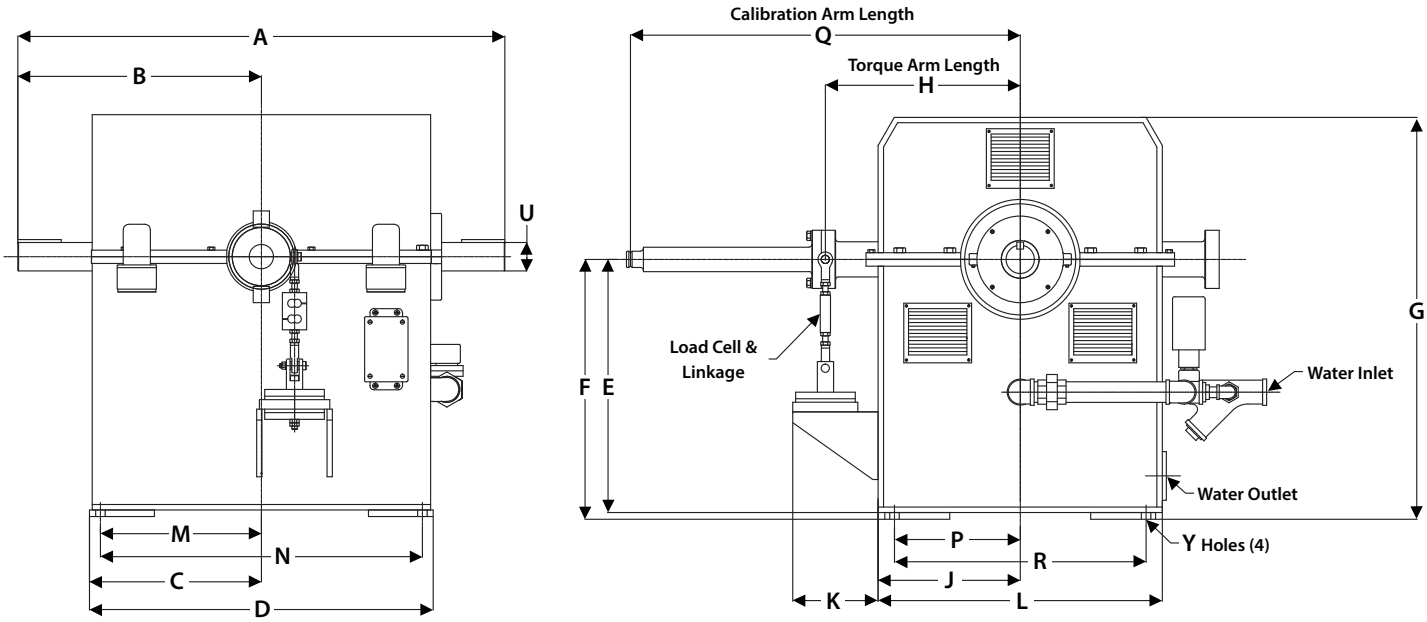
Water
Recirculation

Design, Project
& Construction
Management Services

Commissioning,
Start-up & Training


DM-8082HS (US Customary)
Torque (lbf-ft)
Power (Hp)
Speed (rpm)
Torque
Water Drag Torque
Power


DM-8082HS (S.I.)
Torque (Nm)
Power (kW)
Speed (rpm)
Torque
Water Drag Torque
Power



Note: Shown without companion flange

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

Units	K	L	M	N	P	Q	R	U	Y
US Customary	5.75	19	10.62	21.24	7.5	24	15	1.63	0.56
S.I.	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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