

MW-758HS / Engine Dynamometer



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

MW-758HS Eddy Current Dynamometer

Specifications

Power:	50 hp (37 kW)
Max Torque at Base Speed:	131 lb-ft (178 Nm)
Base Speed:	2,000 rpm
Max. Speed:	12,000 rpm
Construction Type:	Dry Gap
Rotor Inertia:	2.6 lb-ft ² (0.11 kg-m ²)
Coolant Required at Max. Power:	5 gpm (18.9 lpm)
Coolant Inlet (Min-Max):	55-100 psi (378-689 kPa)
Coolant Inlet Temperature Max:	90°F (32.2°C)
Shipping Weight (estimate):	675 lb (306 kg)
Companion Flange / Hub Pattern:	1310 - US Customary
Coil Voltage / Hot Amperage:	90V / 2.15 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 - 1310
- Torsional Coupling - 1310
- Flywheel Adapter Plate Kit
- Driveshaft Guard
- Sub-Base Kit
- Air or Electric Starter
- Water Recirculating System
- T-slot Table
- Calibration Weights

Optional Accessories



Optional Manual Shaft Lock



Optional Automatic Day Tank



Optional Calibration Weights



Optional Driveshaft Guard



Optional T-Slot Table

Various Facility Support Systems and Services Available



Bulk Fuel Storage and Distribution



Coolant Storage and Distribution



Water Recirculation

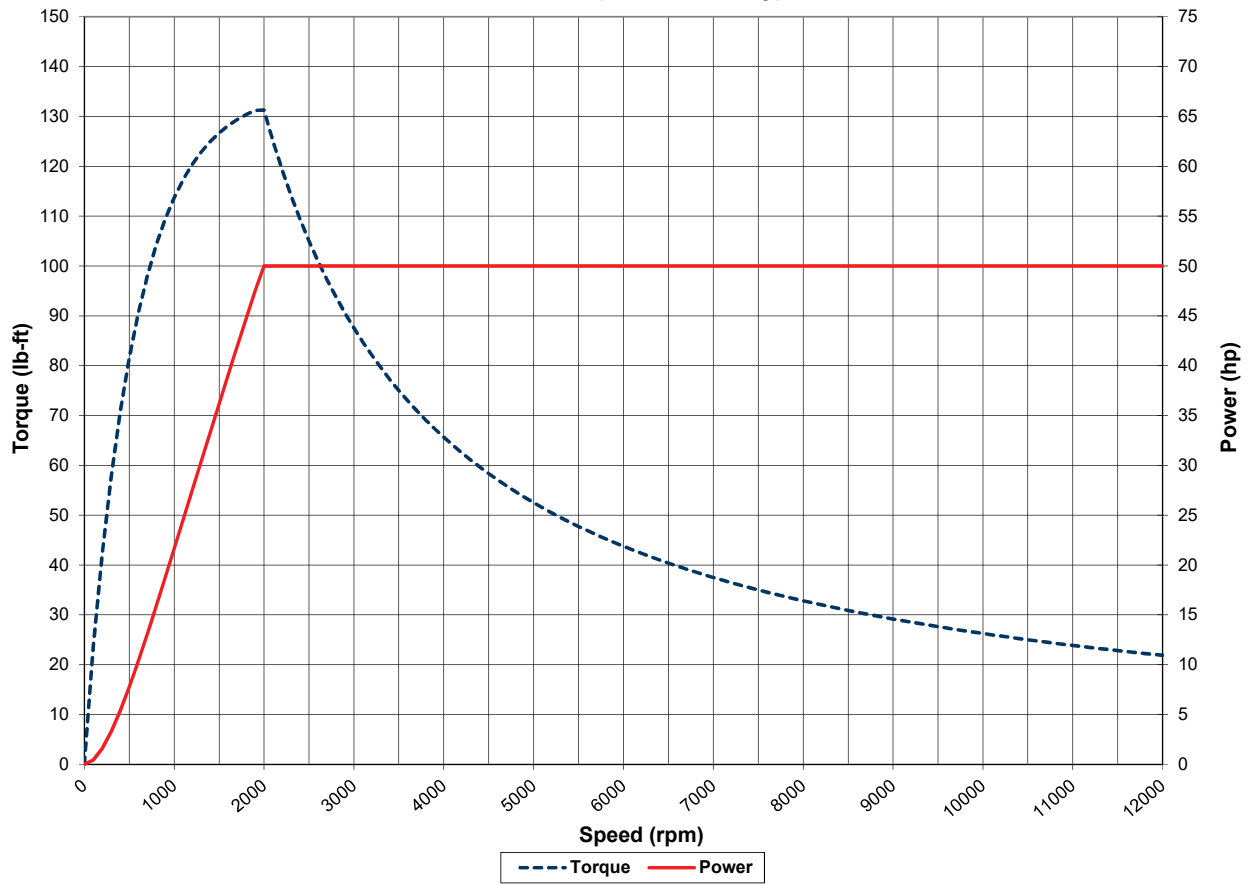


Design, Project & Construction Management Services

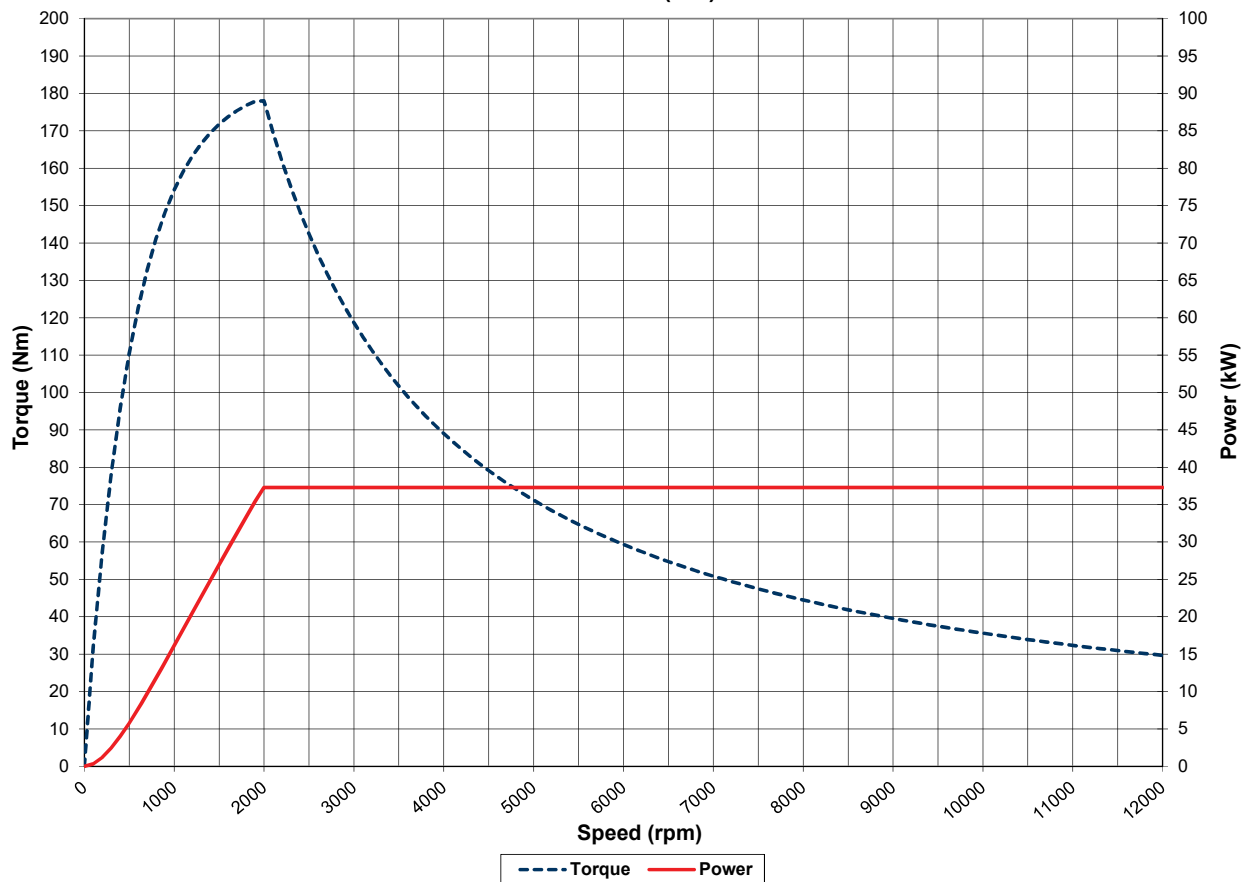


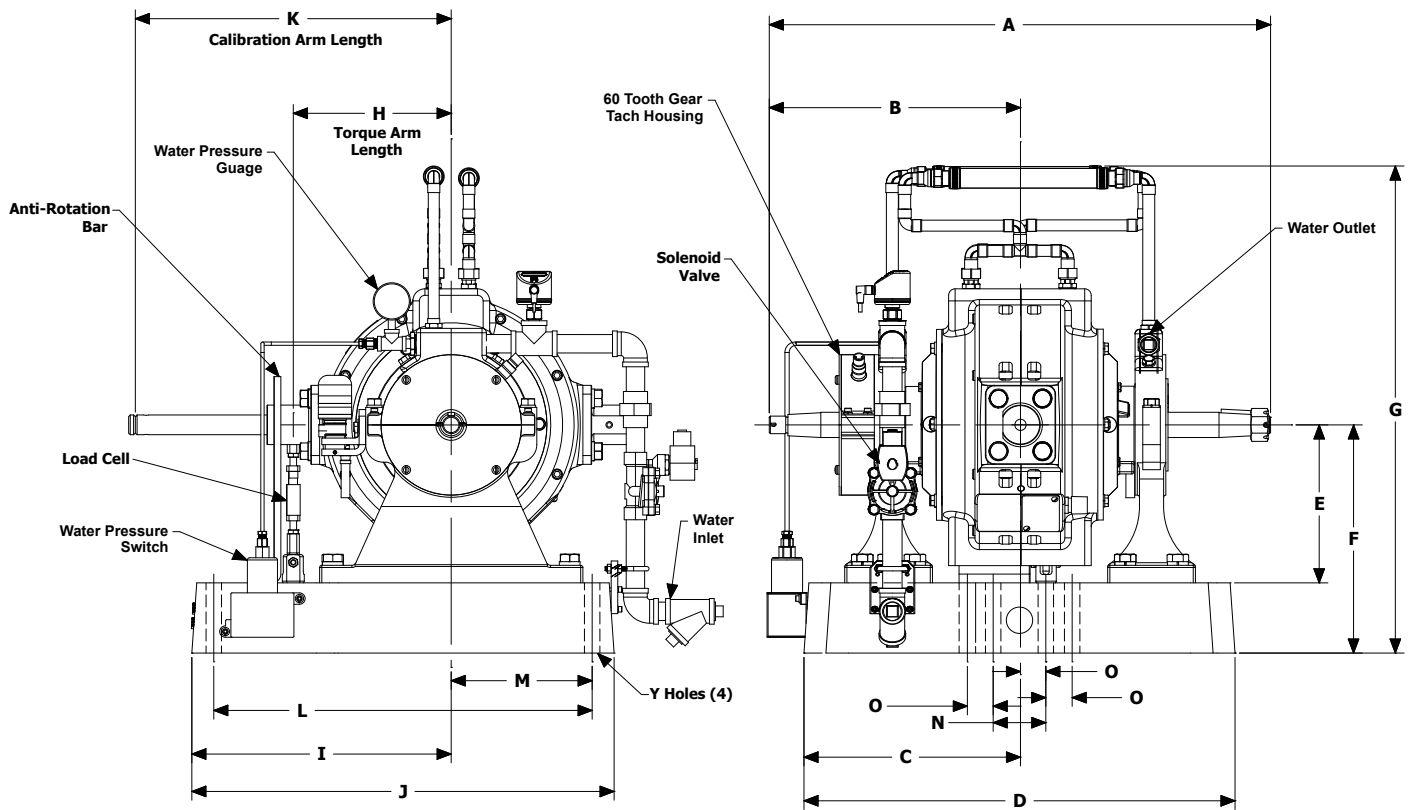
Commissioning, Start-up & Training

MW-758HS (US Customary)



MW-758HS (S.I.)





Note: Shown without companion flange

Units	A	B	C	D	E	F	G	H
US Customary	28.56	14.28	12	24	9	13	27.75	9
S.I.	725	363	305	610	229	330	705	229

Units	I	J	K	L	M	N	O	Y
US Customary	14.75	24	18	21.5	8	3	1.5	0.88
S.I.	375	610	457	546	203	76	38	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 1310 - US Customary
- Shaft End Guard
- Magnetic Pickup and 60-tooth Gear
- Constant Level Oilers

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.

Everything you need to succeed



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