



MW-48HS / Engine Dynamometer



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

MW-48HS Eddy Current Dynamometer

Specifications

| | |
|---------------------------------|---|
| Power: | 20 hp (15 kW) |
| Max Torque at Base Speed: | 36.2 lb-ft (49.1 Nm) |
| Base Speed: | 2,900 rpm |
| Max. Speed: | 18,000 rpm |
| Construction Type: | Dry Gap |
| Rotor Inertia: | 0.23 lb-ft ² (0.01 kg-m ²) |
| Coolant Required at Max. Power: | 2 gpm (7.6 lpm) |
| Coolant Inlet (Min-Max): | 55-100 psi (378-689 kPa) |
| Coolant Inlet Temperature Max: | 90°F (32.2°C) |
| Shipping Weight (estimate): | 400 lb (181 kg) |
| Companion Flange / Hub Pattern: | 1310 - US Customary |
| Coil Voltage / Hot Amperage: | 90V / 1.73 amps |

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

Everything you need to succeed

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

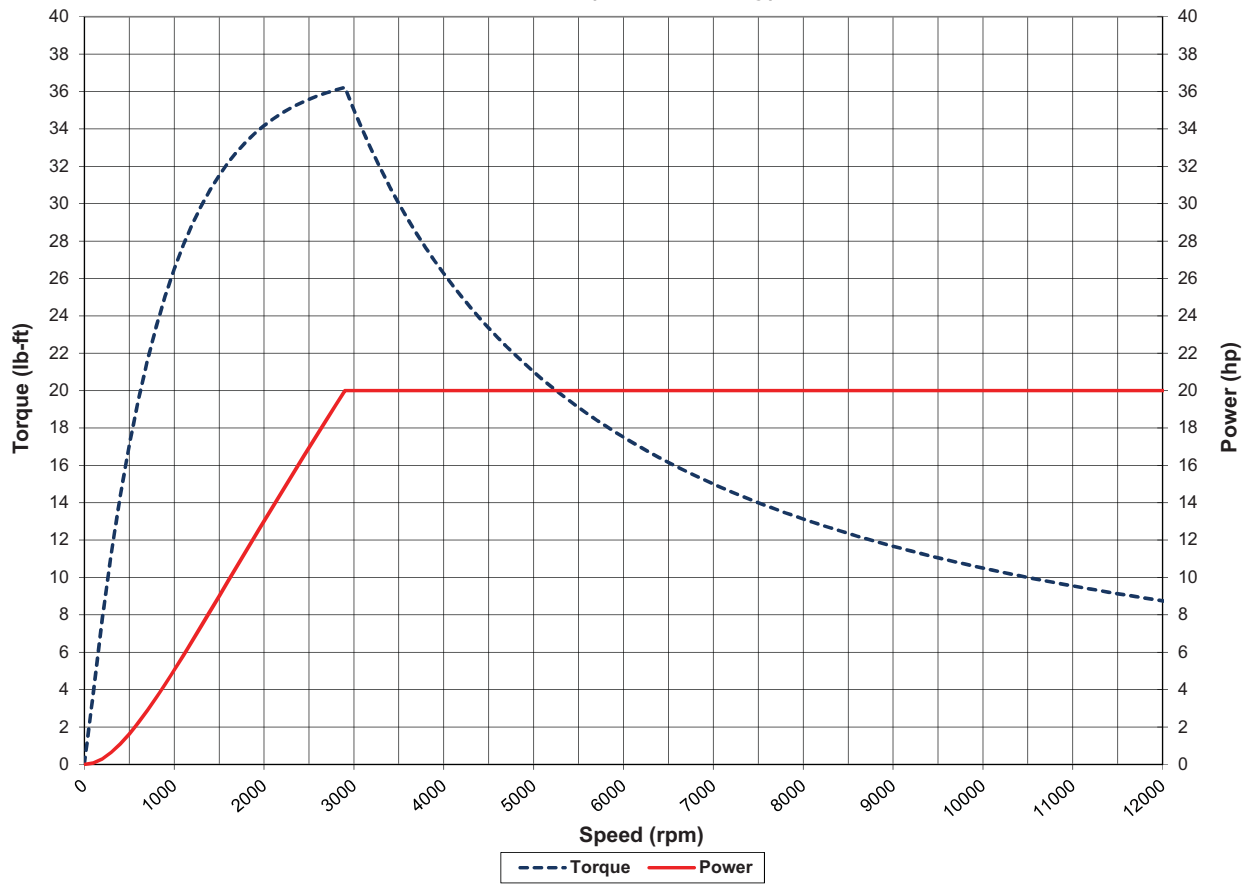


Design, Project & Construction Management Services

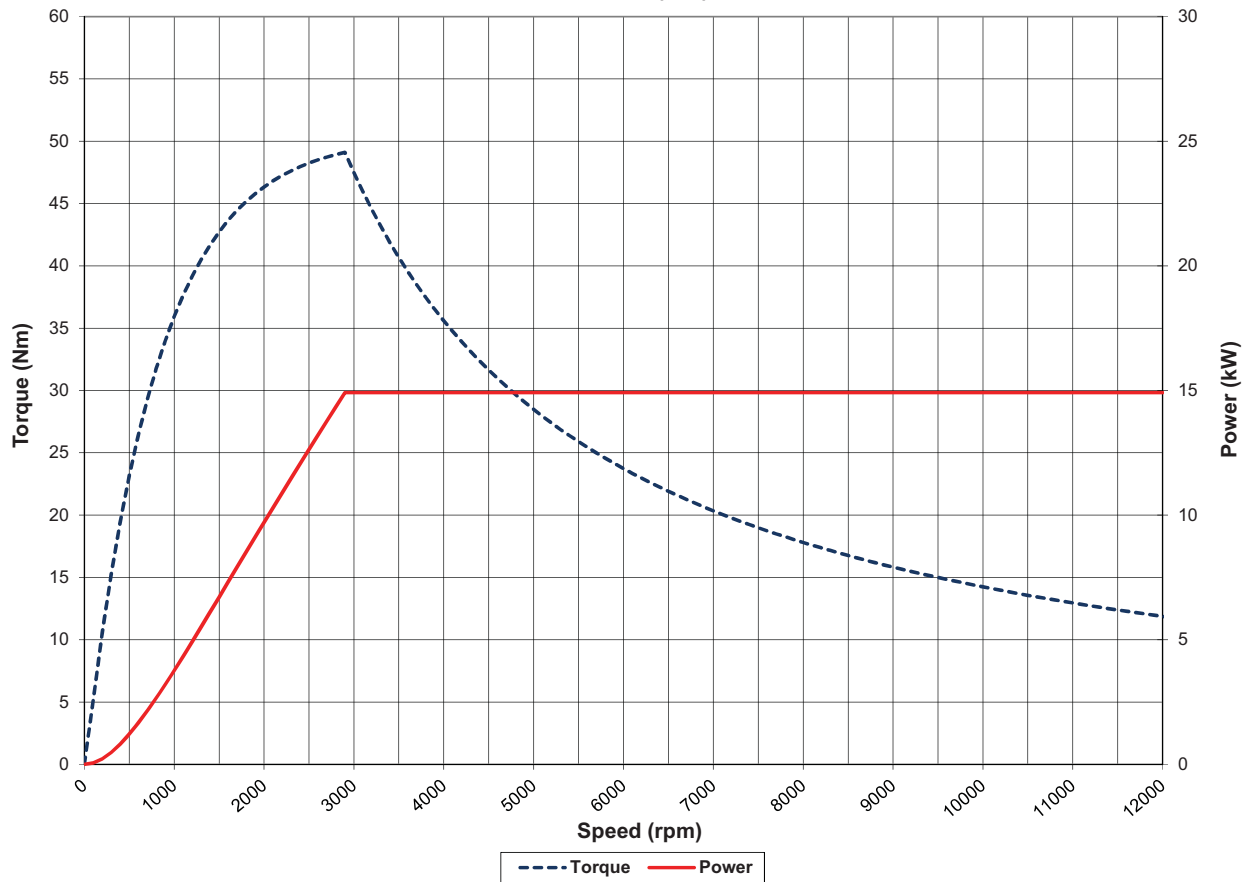


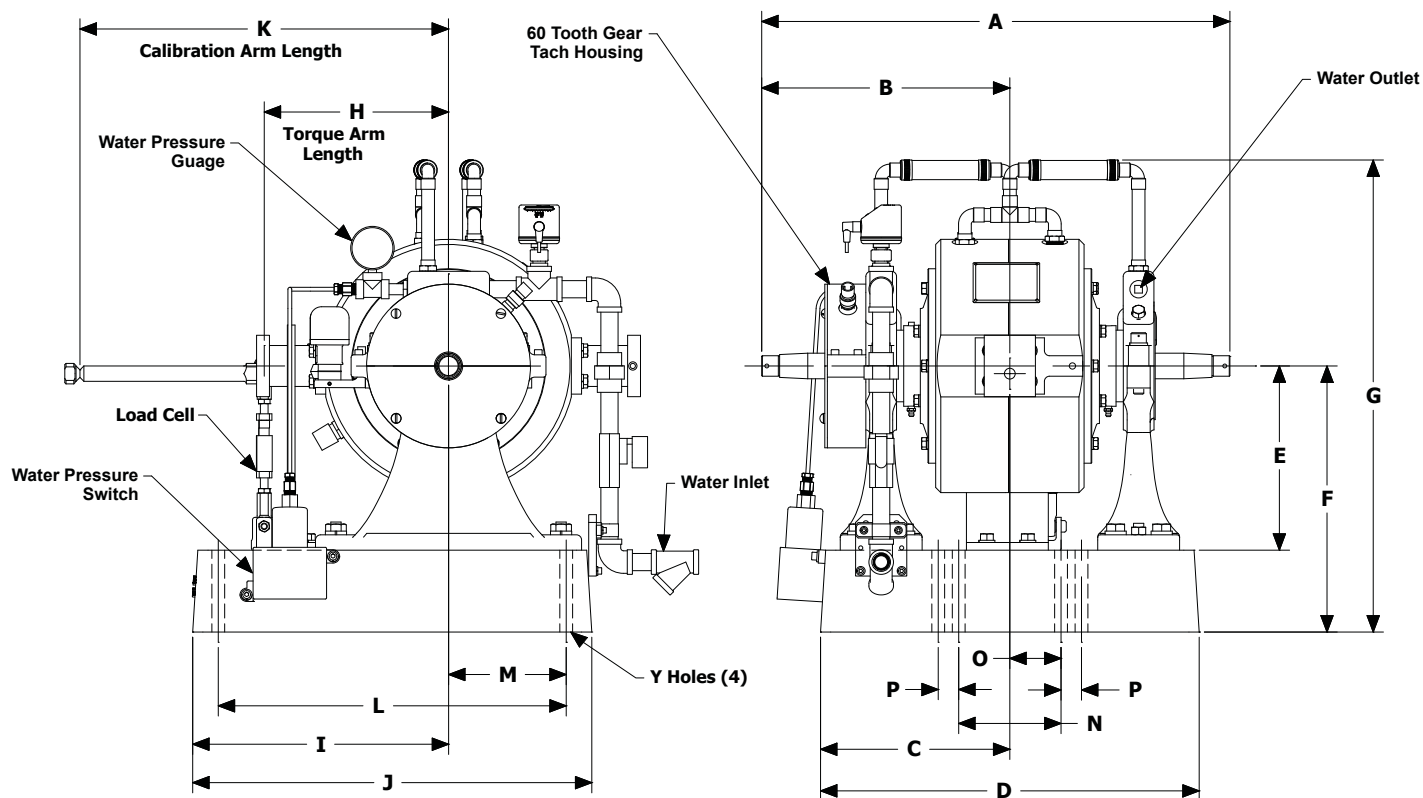
Commissioning, Start-up & Training

MW-48HS (US Customary)



MW-48HS (S.I.)





Note: Shown without companion flange

| Units | A | B | C | D | E | F | G | H |
|--------------|------|-------|------|------|-----|-----|-----|-----|
| US Customary | 20.3 | 10.15 | 9.25 | 18.5 | 9 | 13 | 23 | 9 |
| S.I. | 516 | 258 | 235 | 470 | 229 | 330 | 584 | 229 |

| Units | I | J | K | L | M | N | O | Y |
|--------------|------|------|-----|-----|------|-----|-----|-----|
| US Customary | 12.5 | 19.5 | 18 | 17 | 5.75 | 5 | 2.5 | .63 |
| S.I. | 318 | 495 | 457 | 432 | 146 | 127 | 64 | 16 |

(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

Everything you need to succeed



Dyne Systems is a division of Taylor Dynamometer
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