



## MW-46HS / Engine Dynamometer



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

## MW-46HS Eddy Current Dynamometer

### Specifications

|                                 |  |
|---------------------------------|--|
| Power:                          | 10 hp (7 kW)                                       |
| Max Torque at Base Speed:       | 17.5 lb-ft (23.7 Nm)                               |
| Base Speed:                     | 3,000 rpm  |
| Max. Speed:                     | 12,000 rpm   |
| Construction Type:              | Dry Gap  |
| Rotor Inertia:                  | 0.14 lb-ft <sup>2</sup> (0.006 kg-m <sup>2</sup> ) |
| Coolant Required at Max. Power: | 1 gpm (3.8 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 / 1.78 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

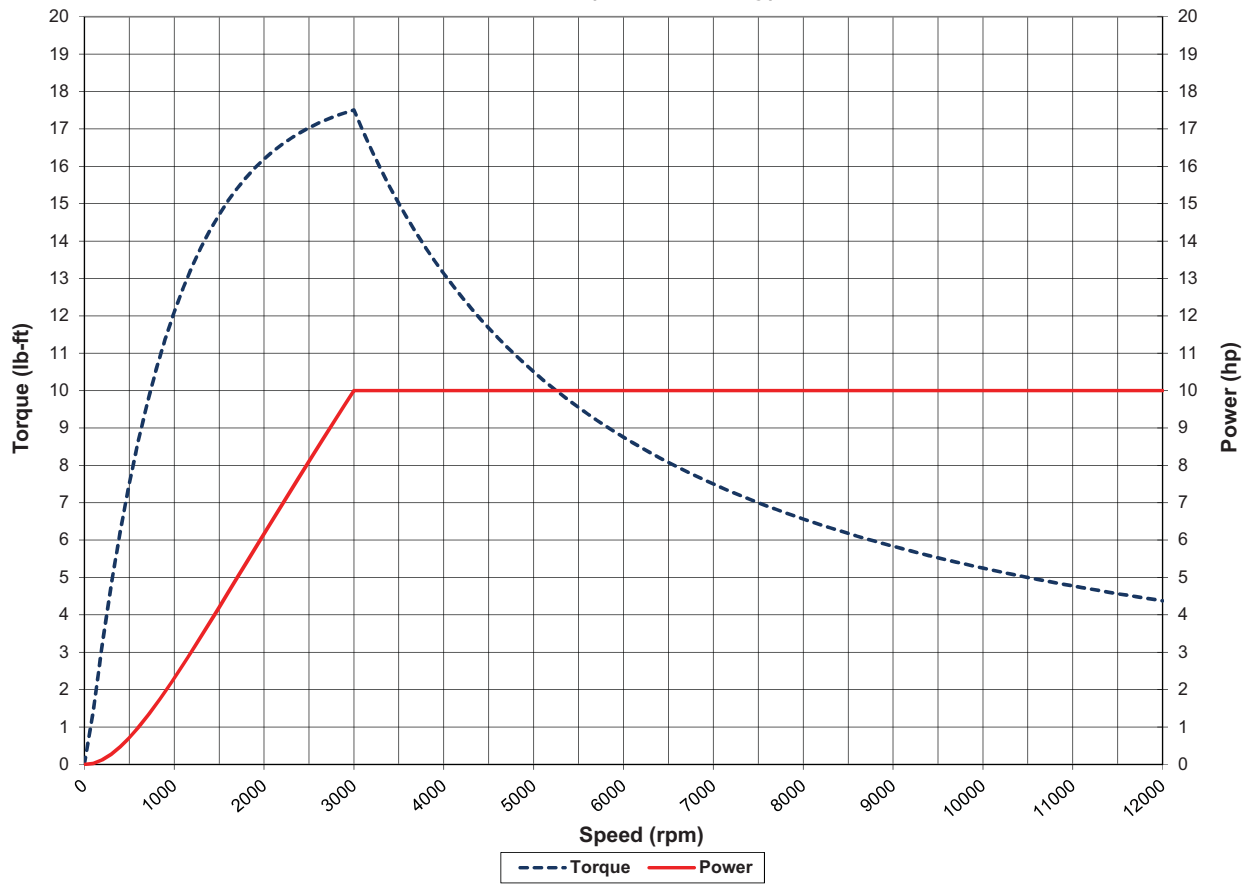


Design, Project & Construction Management Services

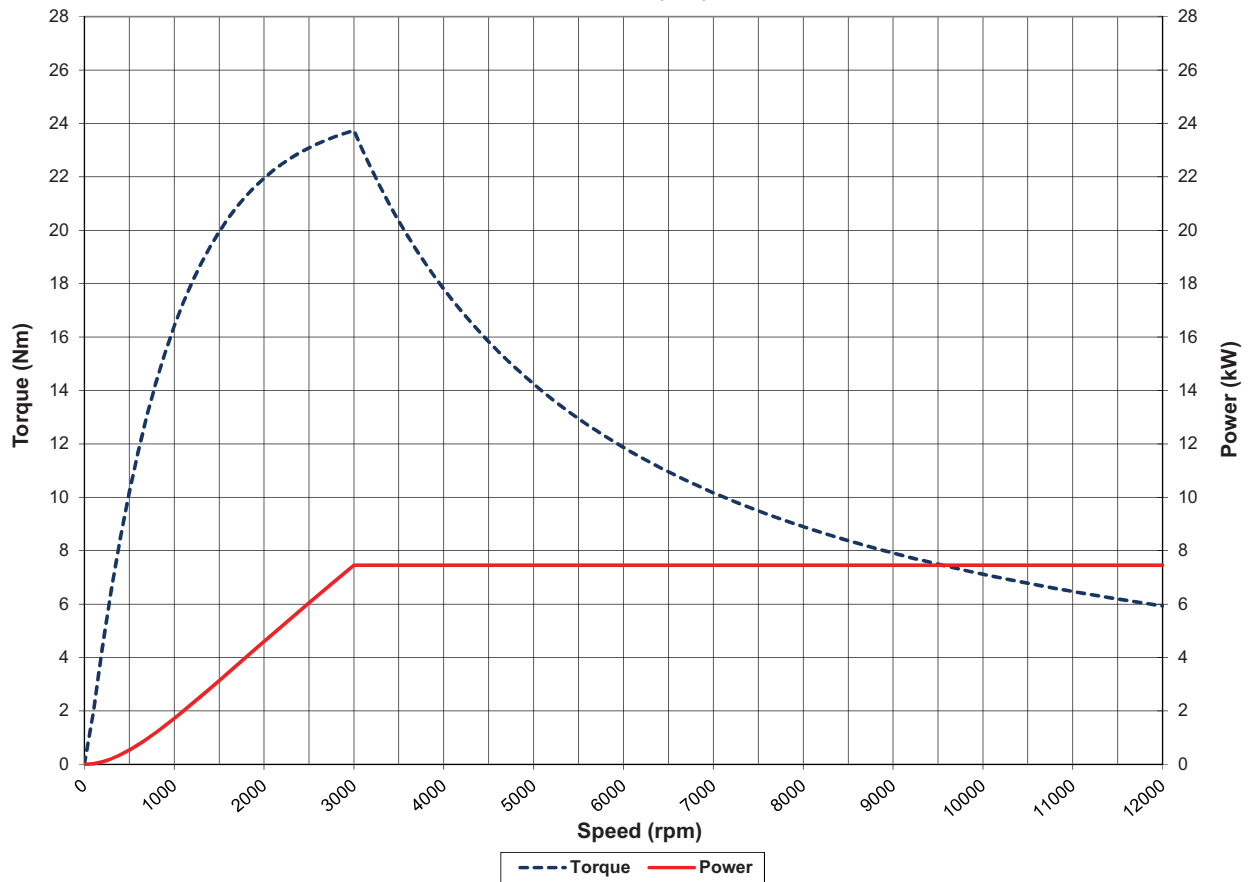


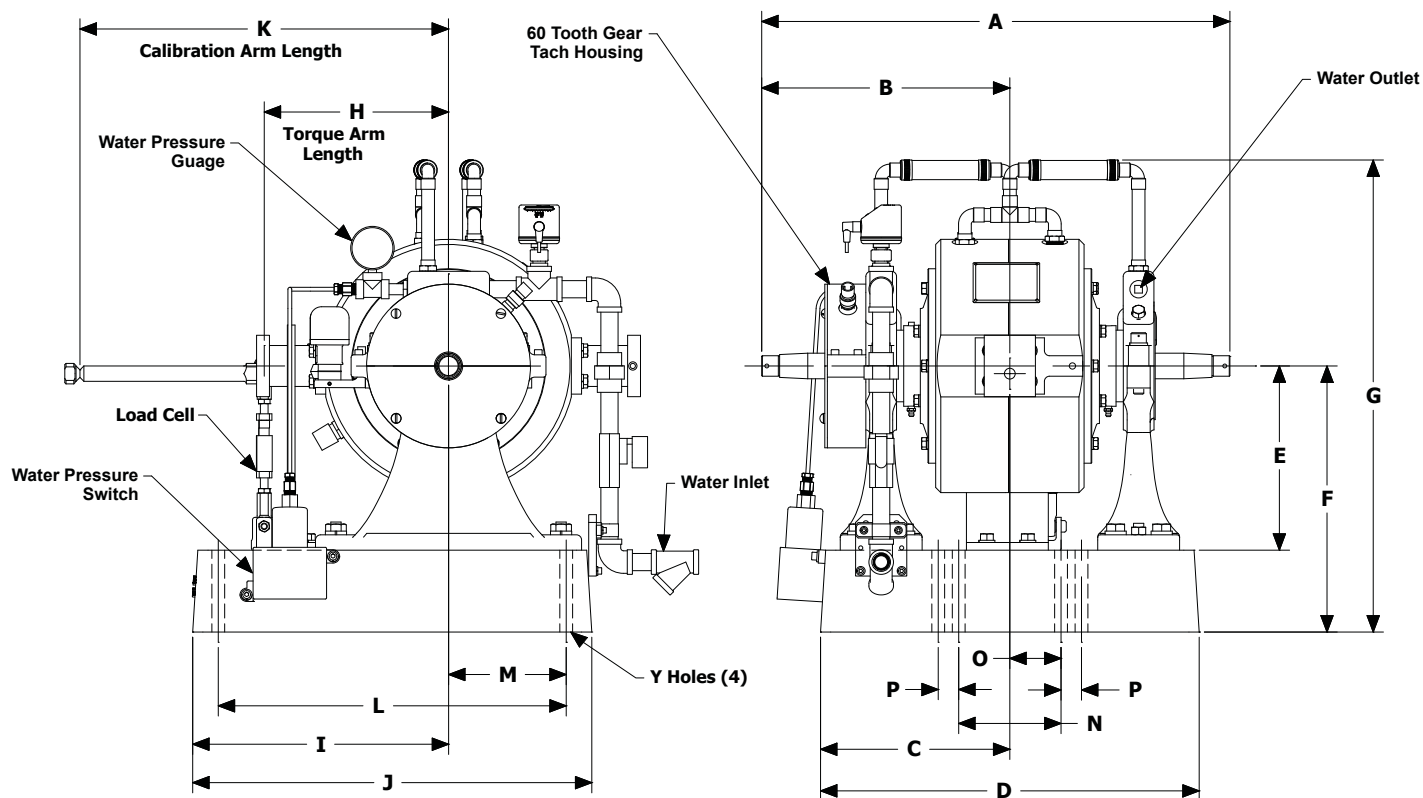
Commissioning, Start-up & Training

MW-46HS (US Customary)



MW-46HS (S.I.)





Note: Shown without companion flange

| Units        | A     | B     | C    | D    | E   | F   | G   | H   |
|--------------|-------|-------|------|------|-----|-----|-----|-----|
| US Customary | 22.88 | 12.12 | 9.25 | 18.5 | 9   | 13  | 23  | 9   |
| S.I.         | 581   | 308   | 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
- Greased Rotor Bearings

*Everything you need to succeed*



Dyne Systems is a division of Taylor Dynamometer  
 W209 N17391 Industrial Dr., Jackson, WI 53037  
 (800) 657-0726 [www.dynesystems.com](http://www.dynesystems.com)

DS2302v001