MW-3HS Eddy Current Dynamometer

Specifications

- Power: 5 hp (4 kW)
- Max Torque at Base Speed: 7.3 lb-ft (9.9 Nm)
- Base Speed: 3,600 rpm
- Max. Speed: 19,000 rpm
- Construction Type: Dry Gap
- Rotor Inertia: 0.044 lb-ft² (0.002 kg-m²)
- Coolant Required at Max. Power: 0.5 gpm (1.9 lpm)
- Coolant Inlet (Min-Max): 55-100 psi (378-689 kPa)
- Coolant Inlet Temperature Max: 90°F (32.2°C)
- Shipping Weight (estimate): 180 lb (82 kg)
- Companion Flange / Hub: Spider Coupling
- Coil Voltage / Hot Amperage: 90V / 1.13 amps
- Rotation: bi-directional

Recommended Accessories

- Spider Coupling
- Sub-Base Kit
- Water Recirculating System
- T-Slot Table
- Calibration Weights

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.
Optional Accessories

Optional Automatic Day Tank

Optional Calibration Weights

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

(414) 755-0040 www.dynesystems.com
Standard Included Components

Load Cell and Linkage
Cooling Safety Package
Calibration Arm
Calibration Weight Hanger
Companion Flange / Hub - Spider Coupling
Magnetic Pickup and 60-tooth Gear

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.