

ELECTRIC PUMP MOTOR CUSTOMIZED TEST SYSTEM

MAGTROL DESIGNED THIS CUSTOM MOTOR TEST SYSTEM FOR THE TESTING OF A VARIETY OF ELECTRIC MOTORS USED IN SUMP, UTILITY, WELL, POOL / SPA AND POND PUMPS.

This system is equipped with a Magtrol HD-705 Hysteresis Dynamometer, DSP 6001 High-Speed Programmable Controller, power analyzer, adjustable motor fixture, motor-driven variable transformer and a bellows coupling roller clutch for "tool free" motor shaft engagement.

The versatile custom dynamometer table can be easily reconfigured and retrofitted to any Magtrol dynamometer. The cart is constructed from lightweight aluminum with locking / leveling casters for smooth mobility, and is sturdy enough to support even the largest Magtrol dynamometer. Custom end bell clamps were provided to allow testing of "3/4 motors" that have no output shaft bearings.

Easy to use, Magtrol M-Test Software enables the user to quickly set test parameters and sequences in torque or speed control, curve mode, closed loop or open loop. Test setups can be saved and recalled any time. It allows the acquisition of complete testing data (torque, speed, current, efficiency, power input, power output, temperature, resistance), temperature rise and related data during motor operation. M-TEST has the flexibility to test a variety of motors in a multitude of configurations. The data generated from this user-friendly program can be stored, displayed and printed in tabular, graphical formats or universal data reports and is easily imported into a spreadsheet. Clear and professional reports can be issued.

Need specific Motor Testing ? Do not hesitate to challenge us !

