



MTS Series

High Power Motor Test Systems

■ Hipotronics manufactures a complete line of **Motor Test Systems** serving the motor repair industries. Since 1962 Hipotronics is the largest manufacturer serving the Motor Test Industry with quality test equipment for all aspects of the electrical manufacturing and repair markets. Motor Test Systems are available in AC, DC or combination (AC/DC) configurations to suit your exact requirements. Hipotronics has a strong commitment to making the most reliable equipment available, we take extra steps in the construction of our test sets to assure many years of reliable service. All power transformers are vacuum pressure impregnated (VPI), and we construct our own tap switches which have proven themselves far superior to commercially available units commonly used. Please use this information as a guide and contact our sales department for further details



FEATURES

- ☑ Main power circuit breaker
- ☑ Emergency off mushroom switch
- ☑ Warning lamp
- ☑ Control power circuit breaker
- ☑ Motorized tap selector switch
- ☑ 5 amp ground fault detector
- ☑ Primary overload protection
- ☑ Digital voltage and current meters
- ☑ Voltage ON/OFF pushbuttons
- ☑ Off zero lamp
- ☑ Field loss indicator
- ☑ Field supply selector switch
- ☑ Field power circuit breaker
- ☑ Field overload
- ☑ Field undercurrent relay
- ☑ Synchronous switch
- ☑ Interlocked HV taps
- ☑ Calibration facilities
- ☑ 15 foot output cables
- ☑ Lifting provision (crane and forklift)

BENEFITS

Variable transformer offers the most **stable output** available

Continuously variable voltage from near zero to full voltage

Complete metering to verify conditions of motor under test

Integral **safety and overload protection**

TECHNICAL SPECIFICATIONS

Model	MTC-1000V	MTC-1250V	MTC-1500V	MTC-2000V	MTC-2500V
System KVA	1000	1250	1500	2000	2500
Input Voltage	480V, 3p	480V, 3p	480V, 3p	4160V, 3p	4160V, 3p
Input Current	1250 A	1510A	1800A	280A	350A
AC No-Load test Capabilities*	5000HP	6250HP	7500HP	10,000 HP	12,000 HP
AC Full-Load Test Capabilities*	1000HP	1250HP	1500HP	2000HP	2500HP
Output Tap					
0 to 480V	1000A	1000A	1000A	NA	NA
0 to 600V	960A	1000A	1000A	1200A	1200A
0 to 1200V	480A	600A	720A	960A	1200A
0 to 2400V	240A	300A	360A	480A	600A
0 to 3300V	175A	219A	262A	350A	438A
0 to 4160V	139A	173A	208A	278A	348A
0 to 7200V	Optional	Optional	120A	160A	200A
0 to 11,000V	Optional	Optional	Optional	Optional	131A
0 to 13,800V	Optional	Optional	Optional	Optional	106A
DC Aramature Supply					
Voltage	0 ... 750V DC	0 ... 750V DC	0 ... 750V DC	0 ... 750V DC	0 ... 750V DC
Current	900A	1200A	1200A	1500A	2000A
DC Field Supply	0 ... 700V DC 90A, 5% Ripple RMS				
Field Supply #2 (optional)	0 ... 12V DC 500A, 48% Ripple RMS				
Duty Cycle	Continuous, 110% 1 Hour on / 1 Hour off, 250% for 1 minute				

- *No-Load and Load calculations are approximate and could vary with your specific application.
- For Motor Test Sets with AC output only, DC specifications in the shaded area above are eliminated. The Model prefix is changed to MTA. All other specifications above remain unchanged.
- Larger & Smaller units are available upon request.
- For complete specifications for a particular model, please contact Hipotronics.

OPTIONAL EQUIPMENT

- Data Acquisition System with Software
- Dynamometer Metering Integration
- Vibration Analyzer
- Digital Tachometer
- Temperature Meter
- Wattmeter
- Additional Voltage Taps
- Optional Series Field Supply
- Remote Connection Cubicle

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