

# DYNAMOMETER COMPONENT TEST SYSTEM

## 25 HP 3600 RPM AC Motor with ABB ACS600 DTC Drive System

### Overview

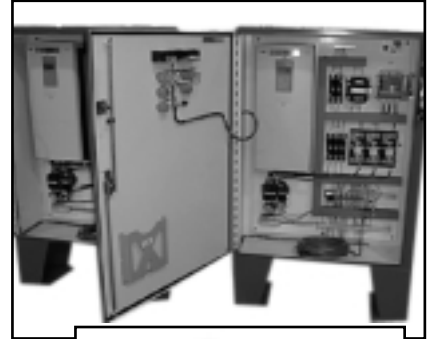
We can help you with your component testing applications with our precision speed controlled 25 HP, 3600 RPM direct torque control drive system. The system includes a 25 HP DTC motor that is totally enclosed, blower-cooled with a speed range of 0 to 3600 RPM's and an encoder mounted inside that provides for a 0.01% speed regulation. A state-of-the-art digitally controlled ABB ACS600 DTC drive mounted in a NEMA 12 single door enclosure is used to control the motor. To make the unit self-contained, the operator controls are mounted on the door of the drive system enclosure. "Auto/Manual" selector switch and terminals for wiring in optional external Start/Stop and speed reference circuits are used for your convenience.

### Features & Benefits

- 25 HP TEBC DTC motor with a speed range of 0 to 3600 RPM's
- Motor mounted encoder for speed regulation of 0.01%
- Direct torque control digital heavy-duty ABB ACS600 drive
- Drive capable of holding motor at full torque with "0" speed
- Digital and analog I/O configured for your application using parameters built into the drive
- Use "MMI" to control the drive with Profibus communication protocol

### Standard Items

- NEMA 12 enclosure houses drive system & operator controls
- ABB ACS601 30 HP heavy-duty drive with direct torque control
- 25 HP TEBC motor speed range of 0 - 3600 RPM
- 1024 PPR encoder for a speed feedback regulation of 0.01%
- NTACH encoder interface module
- Ramp stop E-Stop circuit
- Auto/Manual Selector switch for optional Auto Start/Stop and Speed Reference
  - Manual Mode is set for coast stop
  - Auto Mode is set for ramp stop
- Two Digital LED meters for accurate readout of "SPEED" and "LOAD" of motor
- Illuminated Start button lights
- 31 AMP Motor starter for over current motor protection
- 50 AMP 480 VAC Molded Case circuit breaker for overall system protection
- Fast-blow fusing on line side of ACS601 drive for assured protection of drive
- 500 VA fused control transformer for control power
- All necessary relays for operating circuits
- Interconnect terminal strip for easy termination of control wires



### Optional Items

- Larger or Smaller Horse Power Systems
- 240 VAC rating
- MMI Profile controllers
- Specific customer requests
- Installation assistance
- Remote operator controls (8 hours, costs based on standard rate sheet)

### How to Order

Call your friendly sales representative today for a customized quote!

Delivery 8-10 weeks ARO Prices subject to change without notice

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INDUSTRIAL ELECTRONICS

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