

DYNAMOMETER COMPONENT TEST SYSTEM

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

Overview

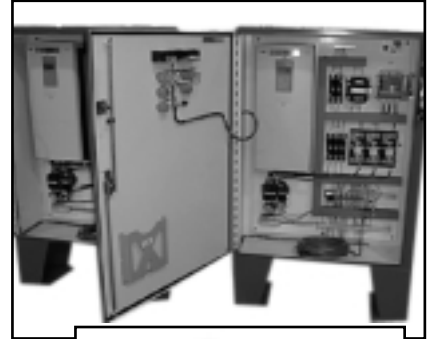
We can help you with your component testing applications with our precision speed controlled 25 HP, 3600 RPM direct torque control drive system. The system includes a 25 HP DTC motor that is totally enclosed, blower-cooled with a speed range of 0 to 3600 RPM's and an encoder mounted inside that provides 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