



BETTIS[®]

TorqPlus[™]
Electric Valve
Actuators
and Controls



EMERSON[™]
Process Management

EMERSON. CONSIDER IT SOLVED.[™]

INQUIRIES

Your inquiries for Bettis electric actuators can be processed efficiently when supplied with the information requested on this page. Please use this page as a guide or submittal. If you need assistance, just ask your Bettis sales representative.

Customer

Co. _____
St. _____
City _____ State _____
Zip _____
Attn: _____

Detail

Job _____
Item _____ of _____ Qty. _____
Mark/Tag _____

Valve Information

Mfg.: _____ Type: _____ Size: _____ Fig No. _____
Rotation to CLOSE Position: Clockwise Counterclockwise as viewed from above (Std. is CW)
Maximum Sizing Torque, lb-in: _____ (Safety factor included)

Actuator Information

Application: Open-Close, 2 position, Service Spring Return
 Jogging Multi-position Service Fail CW
 Automatic Modulating Service Fail CCW

Ambient Temperature: From _____ °F to _____ °F (-40°F to +140°F standard)

Nominal Operating Speed: _____ seconds per 90° (min-max range)

Motor Voltage: _____ Ph/ _____ Hz/ _____ VAC or VDC _____

Control Voltage: 1Ph/ _____ Hz/ _____ VAC (3-phase motor only)

Motor Duty Cycle: 30% or 100%

Total Number of Limit Switches: _____

Enclosure: Type 4 CSA Certified for: non-hazardous indoor and outdoor locations to protect against wind-blown dust and rain, splashing water and hose-directed water.
 Type 4 and 7 CSA Certified for: hazardous and non-hazardous indoor and outdoor locations to protect against wind-blown dust and rain, splashing water and hose-directed water plus locations classified as Class I and II, Groups C, D, E, F and G as defined in the National Electrical Code.

Integral Control Items (as required)

- Motor Brake (standard on EM-100 in 1Ph/60Hz/115VAC and all 800-Series with torques of 6,000 lb-in or greater)
- Multi-Turn Control: Set for _____ output turns (maximum of 30)
- Heater and Thermostat: 1Ph/ _____ Hz/ _____ VAC
- Three Position Operation: Set for _____ °/ _____ °/ _____ ° Stops
- Control Relay for: normally clockwise or normally counterclockwise operation and operating on 1Ph/ _____ Hz/ _____ VAC or _____ VDC
- Single Feedback Potentiometer: _____ Ohm/4 Watt
- Electronic Positioner: with 4-20mA or 0-10v or 1-5v input and set for minimum output at clockwise or counterclockwise position
- Electronic Position Transmitter: 4-20 mA output set for minimum output at clockwise or counterclockwise position

Separate Controls (as required)

- Manual Operating Station: Type 4 or Type 7 enclosure suitable for wall mounting or close coupling
 - 1Ph/ _____ Hz/ _____ VAC to include:
 - (_____) _____ Position Selector Switch marked _____ / _____ / _____
 - (_____) Push Buttons marked _____ / _____ / _____
 - (_____) Lights marked and colored _____ - _____ / _____ - _____ / _____ - _____
 - (_____) Reversing Starter with 1 Ph/ _____ Hz/ _____ VAC control voltage
- Other _____

Bettis Electric

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Important: Due to Emerson's continuing commitment to engineered product advancement, data presented herein is subject to change.

Certified dimensional drawings and wiring diagrams are available on request. Consult factory with model designation and serial number.

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