Series 87 Electric Actuator

Specifications

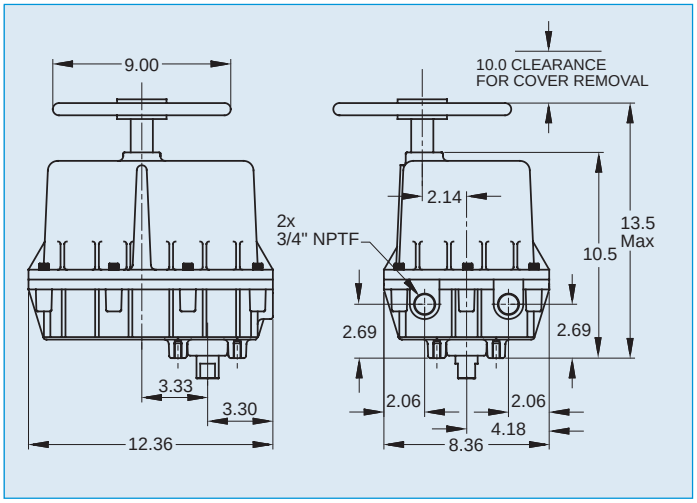
Size: E87,F87
Torque: 5000-10,000 in/lbs
Voltage: 120 VAC 1 Ph 50/60Hz
AMP Draw: E87 1,7 F87 2.2
Conduit Entry: Two (2) 3.4" FNPT
Max Ambient Temp: 150° F
Switches: Four (4) single pole, double throw (4-SPDT) 15 amp rated
Cycle Time per 90°: E87, F87 30 seconds

Standard Features

- **Motor:** Reversing, brushless, capacitor run 115 VAC 50/60 Hz, single phase
- **Overload protection:** Integral thermal overload protection for motor windings with automatic reset
- **Gear train:** Permanently lubricated
- **Conduit:** Two 3/4" FNPT conduit entries to eliminate cross feed between control and power signals
- **Manual override:** Push down on handwheel until engaged with cam and rotate
- **Limit switches:** Standard end of travel limit switches can be used for light indication (not to be use with PLC for position confirmation)
- **Auxiliary (Additional) limit switches:** Each electric actuator is provided as a standard with 2-SPDT auxiliary limit switches
- **Enclosure:** Type 4X
- **Mechanical Brake:** Each electric actuator is provided as a standard with a mechanical brake
- **Corrosion resistant mounting:** Mounting is with stainless steel bracket, stainless steel coupling, and stainless steel hardware
- **Output torque:** Series 87 Electric Actuators have an output torque range from 5000 in/lbs to 10,000 in/lbs
- **PTC Space Heater:** A PTC (Positive Temperature Coefficient) space heater is provided as standard equipment

Options

- Two-wire control
- Center-off
- Voltages
- Local Remote Station



Sample Specification

All Series 87 electric actuators shall have a thermally protected, bi-directional (reversing type), capacitor run motor with a permanently lubricated gear train. Actuator shall have planetary gearing encompassed in an die-cast aluminum housing with stainless steel trim, conforming to Type 4X. Each actuator shall have a manual override, visual position indication, two (2) auxiliary limit switches, a PTC heater and a mechanical brake as supplied by Asahi/America.

Engineering Data

ENGINEERING DATA							
Model		115 Vac		230 Vac		Cycle Time per 90 Degrees (seconds)	Weight (lbs)
	Torque (in/lbs)	Amp Draw	Duty Cycle	Amp Draw	Duty Cycle		
E87	5,000	1.7	50%	1.0	50%	30	34
F87	10,000	2.2	50%	1.2	50%	30	34