

Series 92 120 VAC & 220 VAC Explosion Proof Electric Actuator

Standard Features

- **UL1203 Certified (CL.I, DIV. 1&2)**
- **Motor:** Reversing, brushless, capacitor run 120 VAC 50/60 Hz, single phase
- **Overload protection:** Integral thermal overload protection for motor windings with automatic reset
- **Gear train:** Permanently lubricated, solid gear that is Rockwell hardened
- **Corrosion Resistant Enclosure:** Thermally bonded polyester powder coat finish with stainless steel trim
- **ISO mounting configuration:** F07/24mm square
- **Conduit:** Two 1/2" FNPT conduit entries to eliminate cross feed between control, feedback, and power signals
- **Position indication:** Highly visible beacon position indicator for positive position of valve, even at a distance
- **Declutchable manual override:** Pull up on indicator knob, insert 5/8" wrench on to flats and rotate in the appropriate direction (CCW for open, CW for close). Models with handwheel override do not require a wrench. Simply 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)
- **UL1203 Enclosure:** Combination weather proof & explosion proof (CL.I, Div. 1&2) enclosure for use in various environments
- **Captivated SS hexhead slotted enclosure screws**
- **CE compliant motor:** All 120 VAC and 220 VAC motors are CE compliant stamped as such
- **Extended duty cycles:** Our extended duty cycles are ideal for modulating and high cycling applications
- **Output torque:** Series 92 Electric Actuators have an output torque range from 400 in./lbs to 2000 in./lbs

Options

- Auxiliary limit switches
- Heater and Thermostat
- RHM
- Mechanical brake
- DC control relay
- 220 VAC
- Hand wheel manual override
- No manual override
- TYPE 7 breather
- Custom wiring configurations



Engineering Specifications

Size: S92, A92, B92, C92
 Torque: 400-2000 in./lbs
 Voltage: 120 VAC 1Ph 50/60 Hz
 Amp Draw: S92, B92 .5A, A92 .8A, C92 1.0A
 Conduit Entry: Two (2) 1/2" FNPT
 Max Ambient Temperature: 150° F
 Switches: Two (2) single pole, double throw (2-SPDT) 15 amp rated
 Cycle Time per 90°: S92, A92: 15 seconds
 B92, C92: 32 seconds
 Enclosure: UL1203 CL.I, Div. 1&2

Engineering Data

Model	Torque (in./lbs)	120/1 VAC		220/1 VAC		Cycle Time per 90 Degrees (seconds)*	Weight (lbs)
		Amp Draw	Duty Cycle	Amp Draw	Duty Cycle		
S92	400	0.5	100%	0.4	100%	15	15.3
A92	700	0.8	75%	0.6	75%	15	15.3
B92	1100	0.5	100%	0.4	100%	32	15.3
C92	2000	1.0	50%	0.6	50%	32	18.3

Note: Amp rating is considered locked rotor.

Duty cycles are for ambient temperature (73° F).

* Cycle times are approximate and will vary depending on load.