

Andco Products

Eagle Linear Actuators

Andco Eagle Linear Actuator is a completely self-contained electro-mechanical device. Its compact design is equivalent in size to hydraulic or pneumatic cylinders. Designed and fabricated for easy installation and dependable long-life operation, these actuators are driven by a high starting torque motor with thermal overload protection, non-rotating extension rod, non-backdriving acme screw and all metal gearing.

Features

- Non-rotating drive rod
- Non-backdriving
- All metal gearing
- Compact with electro-mechanical repeatability
- Simple to mount; easy to wire
- Comparable cost to pneumatic or hydraulic systems
- Equivalent in size to hydraulic or pneumatic cylinders
- Operating range -40°F to +150°F

Standard Equipment

- Thermal switch in motor winding
- Two independently adjustable, gear driven position limit switches with all metal gearing
- Nickel-plated drive rod
- Clevis and pin on drive rod end
- Type 4 Weatherproof and Dust-Ignition proof enclosure (Class II, Division 1, Groups E, F and G)
- Anti-friction bearings on all drive components
- All metal gearing
- Cast aluminum construction
- Clevis mount on the motor end
- Permanently lubricated for maintenance-free operation
- Heavy-duty industrial motor; 115 VAC, 60 Hz, single phase, TENV, permanent split capacitor, high starting torque, low inertia



Temperature Range

Ambient -40°F to +150°F
-40°C to +65°C

Motor Data

120 VAC, 1 Phase, 50/60 Hz, 2.6/3.0A¹
230 VAC, 1 Phase, 50/60 Hz, 1.7A¹
210-240 VAC, 3 Phase, 50/60 Hz, 0.6A¹
380-480 VAC, 3 Phase, 50/60 Hz, 0.4A¹
575 VAC, 3 Phase, 60 Hz, 0.2A¹

Class B Insulation

NEMA "D" design

Approvals

CSA available on select models

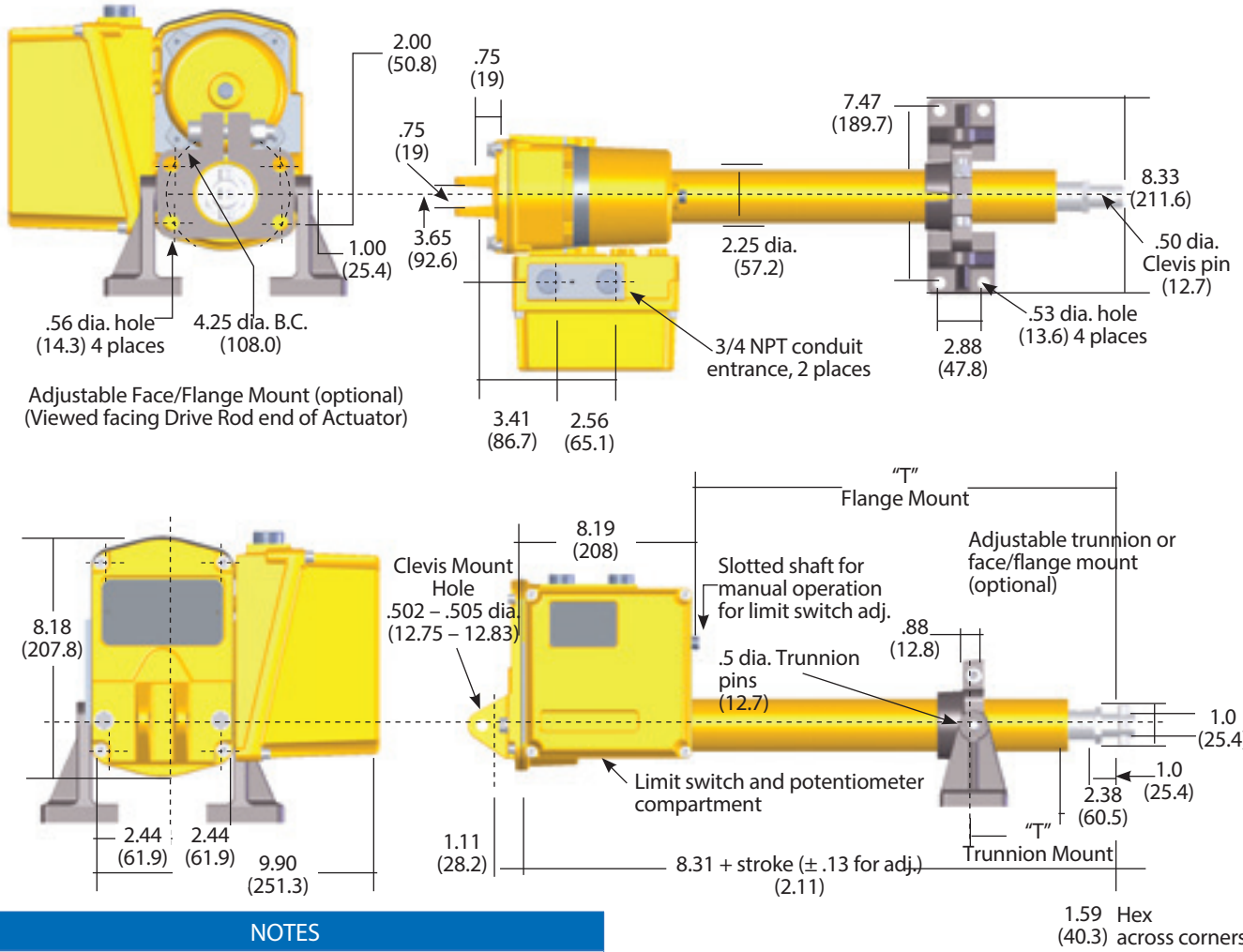
¹ Full load current (Amps).

Optional Equipment

- 230 VAC, 460 VAC and 575 VAC, 60 Hz, 3 phase motor
- Potentiometer (all metal gear driven)
- Integral position process control board for modulating applications
- 4-20mA position transmitter
- Adjustable trunnion mount and trunnion brackets
- Adjustable face/flange mount
- Manual override
- Modbus



Dimensions



NOTES

1. Unbracketed dimensions are in inches.
 2. Bracketed dimensions are in millimeters.
 3. Dimensions shown with actuator fully retracted.
 4. Dimensions are for reference only.
- Please contact Dresser NGS for engineering drawings.

Eagle Electrical Cylinder Performance

3100 Series				
Velocity (in/sec)	Breakway Force (lbs)	Running Force (lbs at 25% duty)	Weight Range (lbs)	Stroke (in)
0.2	2000	1000	35-75	6, 12
0.4	1500	750		18, 24
0.8	750	340		30, 36
2.0	500	200		

Adjustable Trunnion or Face/Flange

"T" Adjustable Dimension		
Stroke	Inches	Millimeters
6	2.38 - 2.88	(60.45 - 73.15)
12	2.38 - 8.00	(60.45 - 203.20)
18	2.38 - 14.00	(60.45 - 355.60)
24	5.38 - 20.00	(136.65 - 508.00)
30	11.38 - 26.00	(289.05 - 660.40)
36	17.38 - 32.00	(441.45 - 812.80)

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