



LINEAR ACTUATORS

LA-300 SERIES | 120VAC LINE-VOLTAGE

No power supply. No transformer. Wires directly to line power.

Self-locking • IP66 • Built-in limits • 304 stainless extension tube

SPECIFICATION	LA-300H (HIGH FORCE)	LA-300F (HIGH SPEED)
Rated force	675 lbf	337 lbf
Speed at rated load	0.18 in/s	0.35 in/s
Input voltage	120VAC, 60 Hz	
Current draw	1.0 A max	
Stroke	3.94–19.69 in (100–500 mm), in 100 mm increments	
Duty cycle	20%	
Limit switches	Built-in, fixed (end of stroke)	
Overload protection	Thermal cutoff, 257°F	
Insulation class	Class F	
Self-locking	Yes — holds load with power off	
Ingress protection	IP66 (washdown / outdoor rated)	
Operating temperature	–4°F to 122°F	
Extension tube	304 stainless steel	
Retracted length	7.28 in + stroke	
Certification	CE	
Available options	240VAC input • Potentiometer position feedback • Custom strokes	

KEY DIMENSIONS

Overall height 6.22 in • Housing width 2.52 in • Outer tube Ø 1.97 in • Rod Ø 0.87 in • Mounting holes Ø 0.40 in
Dimensional drawing and STEP/CAD models available for download at smartengineeringsolutions.co

WHICH MODEL?

LA-300H — heavy doors, hatches, and covers; high wind and snow loads

LA-300F — dampers, louvers, lighter covers, and faster cycle times

Not sure? Send us the application — a sketch or photo is enough — and an engineer will size it for you.

EVERY SES ACTUATOR SHIPS:

Individually bench-tested in our Connecticut shop • 1-year SES warranty, handled directly by us

Lead time 3–4 weeks • Available as a complete kit with matched control panel and remote station

Request a quote: smartengineeringsolutions.co

Smart Engineering Solutions • Stratford, CT • (203) 414-3181

LA-300 Series Rev A — specifications subject to change