Heavy Duty Rod Linear Actuator

Heavy Duty Rod Actuators are rugged and powerful, capable of producing up to 1000 lb. of force. They are available in strokes from 3 - 30 inches or custom strokes if requested. Quick and easy to install, these actuators provide our highest load capability combined with trouble free operation and reliable performance.

Standard Features and Benefits

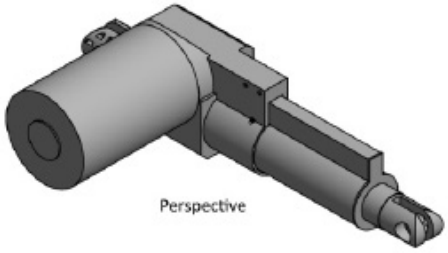
- **Internal limit switches** automatically shut off the unit at the end of stroke
- **Standard stroke lengths** of 3, 6, 8, 9, 12, 15, 18, 24 and 30 inches are available
- Delivers up to **1000 lbs. of force** at an extension speed of .2 inches per second
- **IP 43 rated** - protected against solid objects over 1mm and sprays of water
- **Temperature operating range** of -15°F to 150°F (-26°C to 65°C)
- **High grade aluminum housing** resists corrosion
- **Custom strokes** available upon request
- **Maintenance free**
- **CE and RoHS** certified

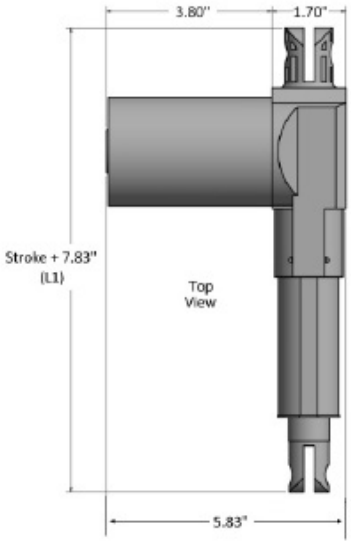
Specifications

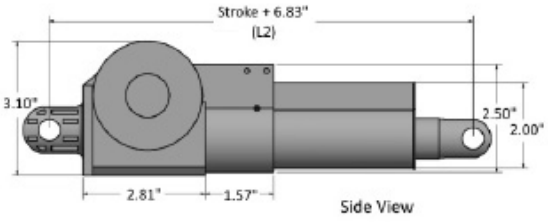
Model	FA-200-L-12-XX	FA-400-L-12-XX	FA-1000-L-12-XX
Dynamic Force	200 lb	400 lb	1000 lb
Static Force	350 lb	600 lb	1350 lb
Speed (inches/second)	0.8 inches	0.4 inches	0.2 inches
Duty Cycle	20% at 100% load, 50% at 25% load, 5 min. max continuous use		
Stroke Length	3, 6, 8, 9, 12, 15, 18, 24 and 30 inches. Custom strokes available		
IP Rating	43		
Input	12 volt DC		
Max Draw	5 A		
Clevis End	1/4" diameter		
Operational Temperature	-15°F to 150°F (-26°C to 65°C)		
Limit Switch	Built-in (factory preset)		
Safety Certifications	CE, RoHS		
Brackets	MB3 or MB3U		

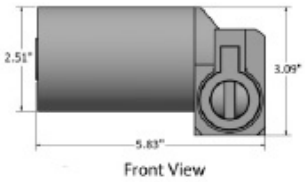
Dimensions and Weight

Stroke	Retracted Length	Extended Length	Weight
3 "	9.88 "	12.88 "	4.5 lbs
6 "	12.88 "	18.88 "	5.1 lbs
8 "	14.88 "	22.88 "	5.3 lbs
9 "	15.88 "	24.88 "	5.5 lbs
12 "	18.88 "	30.88 "	5.9 lbs
15 "	21.88 "	36.88 "	6.1 lbs
18 "	24.88 "	42.88 "	6.7 lbs
24 "	30.88 "	54.88 "	7.4 lbs
30 "	36.88 "	66.88 "	8.2 lbs







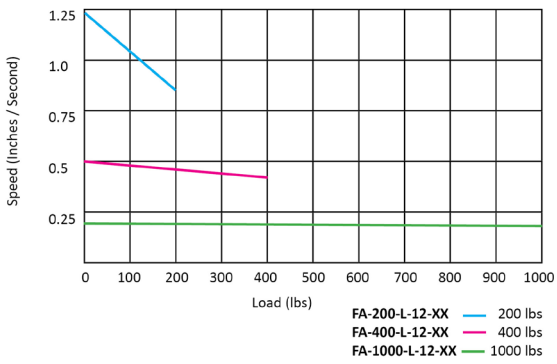
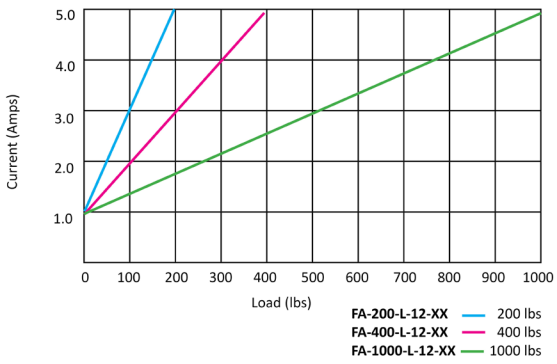


*Stroke length tolerance ± 0.125"

FA-200-L-12-X
FA-400-L-12-X
FA-1000-L-12-X

Performance Graphs

12V DC Speed vs Load



12V DC Current vs Load