



MMP LA-3 Series Compact LINEAR ELECTRIC ACTUATOR

**COMPACT
RELIABLE
QUIET
EFFICIENT**

7.5 Inches



Powered by 12 or 24 VDC, providing up to 1200N (270 Lbs.) Force

SPECIFICATIONS:

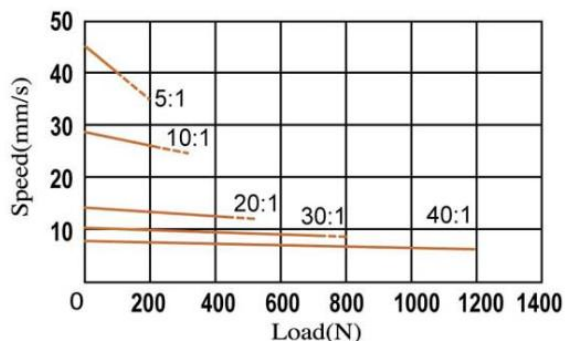
Gear Ratio	5:1	10:1	20:1	30:1	40:1
Input Voltage	12 / 24 VDC				
Load Capacity (Force)	45 Lbs. (200N)	67 Lbs. (300N)	112 Lbs. (500N)	180 Lbs. (800N)	270 lbs. (1200N)
Static Load	517 Lbs. (2300N)				
Stroke Length	2 In, 4 In, 6 In, 8 In, 10 In, 12 In and 18 Inch				
Speed @Full Load	45mm/sec 2"/sec	28mm/sec 1"/sec	13mm/sec 0.59"/sec	9mm/sec 0.35"/sec	6mm/sec 0.24"/sec
Clevis Ends	Ø6.4mm dia. Mounting Holes on each end				
Screw Type	ACME Screw				
Duty Cycle	Max Recommended Duty = 50%				
Operating Temp Range	-26°C ~ 65°C (-15°F ~ 150°F)				
Limit Switches	Built-in, for both ends of travel (factory preset)				
Potentiometer (Option)	10k 10 turns				
IP Grade	IP65				

TECHNICAL FEATURES

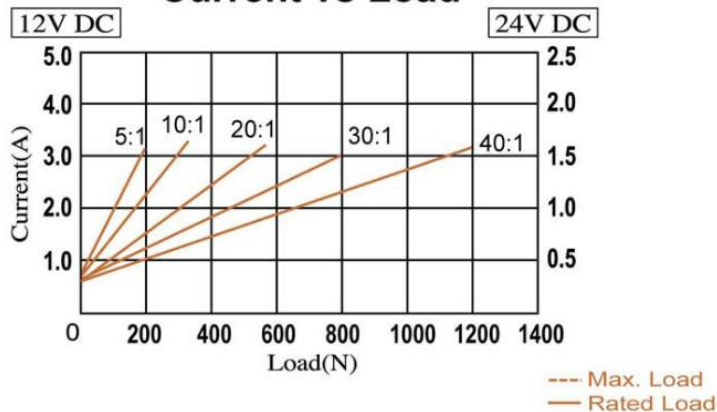
- LOW NOISE DESIGN
- ENHANCED CORROSION RESISTANCE
- ALUMINUM OUTER TUBE
- ZINC ALLOY HOUSING
- NON-ROTATING ALUMINUM INNER TUBE
- POWDER METAL GEARS
- LUBRICATED FOR LIFE



Speed vs Load



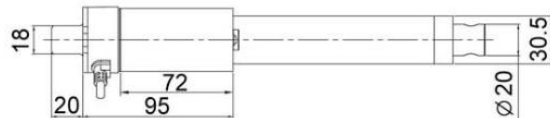
Current vs Load



Standard	Stroke	50	100	150	200	250	300
	A	158	209	260	311	362	413
B	208	309	410	511	612	713	

(mm)

A: Retracted Length
B: Extended Length
Stroke = B - A

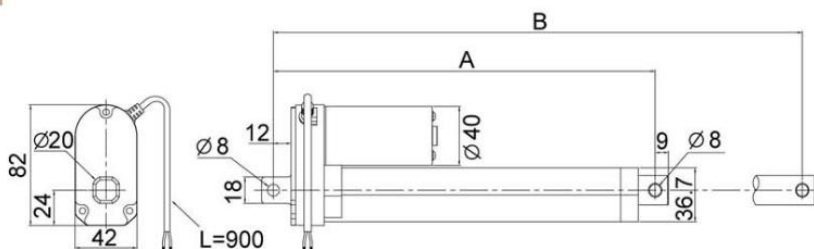


Wiring Details: (with or without potentiometer)

+ voltage to Red = Retract

+ voltage to Black = Extend

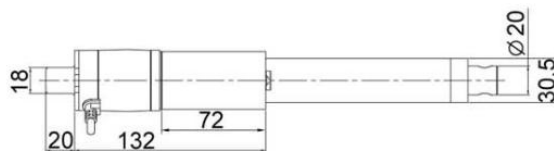
(Opposite for 5:1 and 40:1 ratios)



Potentiometer	Stroke	50	100	150	200	250	300
	A	195	246	297	348	399	450
B	245	346	447	548	649	750	

(mm)

A: Retracted Length
B: Extended Length
Stroke = B - A



Stroke (mm)	Resistance (Ω)
50	0.3-9.3K
100	0.3-9.7K
150	0.3-8.6K
200	0.3-9.6K
250	0.3-9.3K
300	0.3-9.3K

Remark: tolerance: ±0.3K

