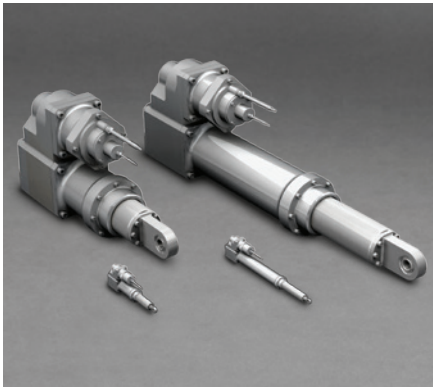


# MODULAR LINEAR ELECTROMECHANICAL ACTUATORS

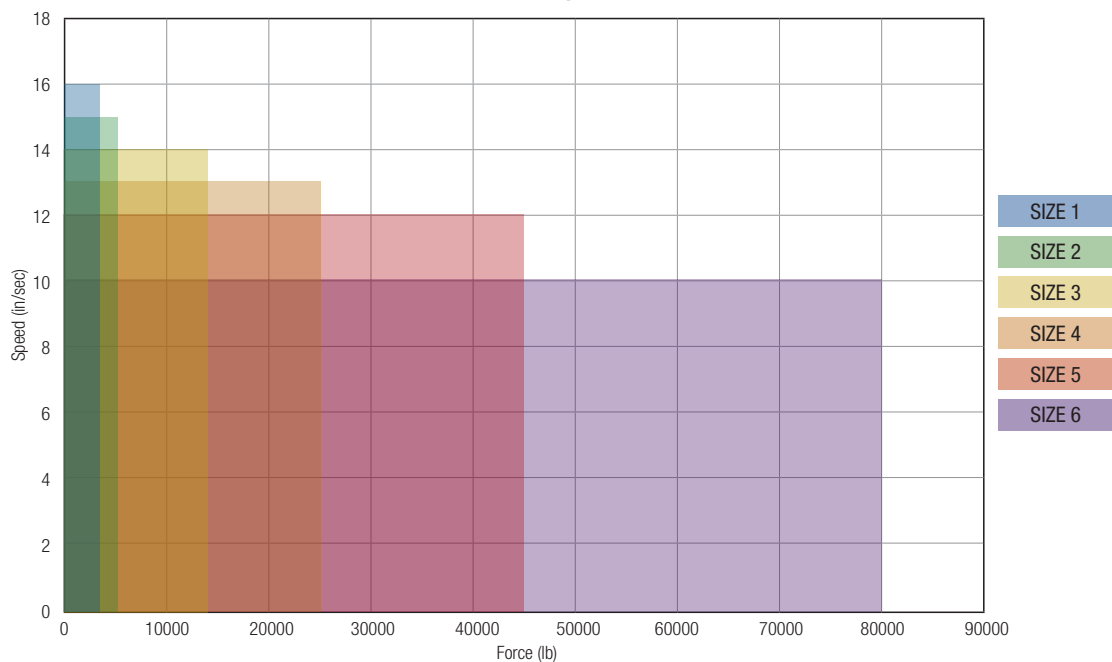


Moog has developed a line of Electromechanical Actuators (EMAs) designed to be rugged for harsh environments. The Commercial EMAs are capable of covering a range of performance characteristics with configurable design parameters. The new line of EMAs is derived from existing qualified and in-service products with a focus on lower cost and faster lead time. The modularity of the designs supports rapid vehicle development and evolution.

Other benefits include:

- Ease of accommodating changes
- Lower program development and recurring cost
- Ease of integration and distribution
- Facilitates development of next generation technologies

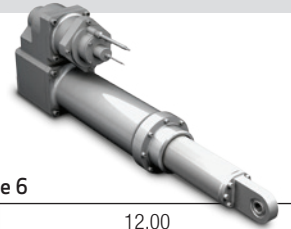
Platform EMA Speed vs. Force



# MODULAR LINEAR ELECTROMECHANICAL ACTUATORS

## LINEAR EMA – PERFORMANCE CHARACTERISTICS

### Characteristics



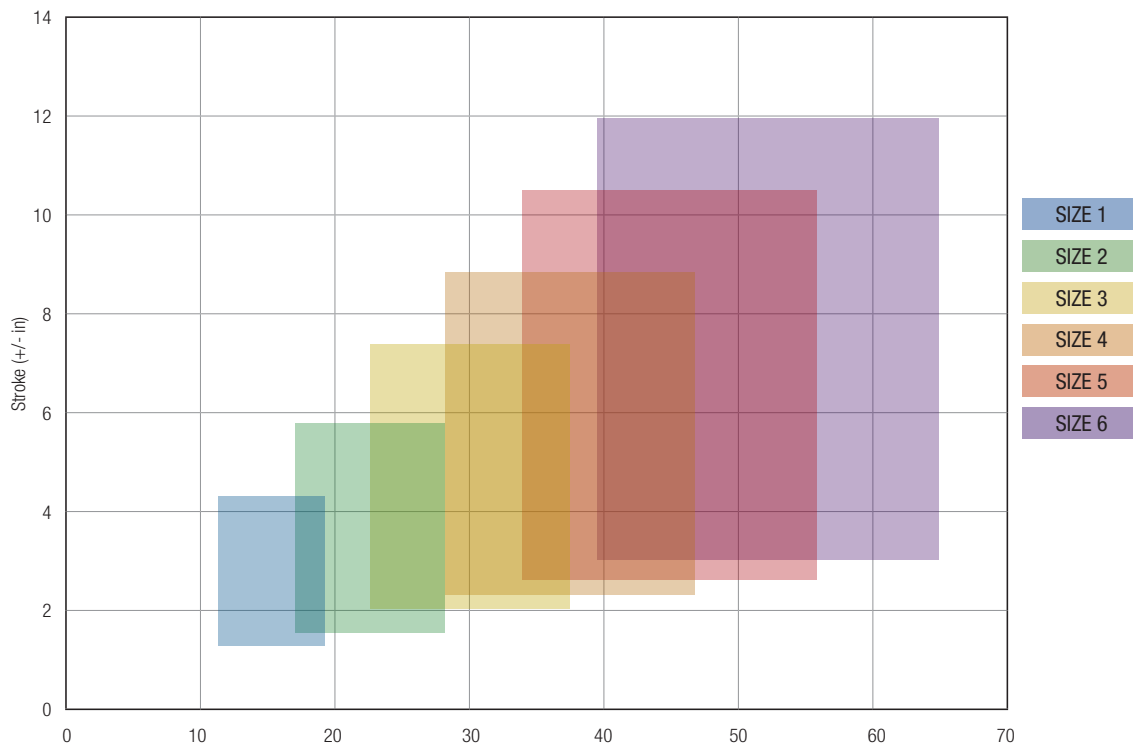
Size 1

Size 6

+/- Stroke (in)	1.25	4.25	3.00	12.00
Pin-to-Pin Length at Null Position (in)	11.25	18.75	39.00	64.25
Power (hp)	0.25 – 0.75	0.25 – 0.75	40.00	40.00
Power Point Details (lbf @ in/sec)	650 lbf @ 2.75 or 7.50 in/sec	650 lbf @ 2.75 or 7.50 in/sec	50,000 lbf @ 5.00 in/sec	50,000 lbf @ 5.00 in/sec
Bus Voltage (VDC)	28, 50, or 150 V	28, 50, or 150 V	150 or 300 V	150 or 300 V
Weight (lbf)	4.0	5.2	440.0	535.0

All linear electromechanical actuators are compatible with the Moog control electronics package. Sizes 1 and 6 in this table show the range of available configurations, refer to the charts for data on all sizes 1-6.

### Stroke vs. Pin-to-Pin



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