

| RECTANGULAR LINEAR VOICE COIL ACTUATORS (VCA)

Introduction

Rectangular voice coil actuators (VCA) are linear VCAs just like the cylindrical models, but are often used for applications that require a higher force and/or a longer stroke. Due to their shape, they can be designed to fit into tighter or thinner systems or optimized for their sheer power and high speeds. Rectangular voice coil actuators feature all of the inherent advantages of VCA technology, such as direct-drive, zero backlash and cog free operation for accurate motion, as well as high acceleration and use of single phase.



Features

- Zero friction caused by moving parts
- Ideal for high acceleration applications
- Offers higher forces than cylindrical actuators based on their size

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RECTANGULAR LINEAR VOICE COIL ACTUATORS (VCA) CONFIGURATIONS

Part Number	Peak Force (N / Ib)	Total Stroke (mm / in)	Continuous Stall Force (N / Ib)	Actuator Con- stant (N√watt Ib/ √watt)	Outside Diameter/Width (mm/in)	Length at Mid- stroke (mm/in)
LA05-30-001Z	37.8 / 8.5	10 / 0.394	15.1 / 3.39	4.13 / 0.93	12 / 0.47	74 / 2.91
LA13-30-000A	13.3 / 3	25 / 1.26	5.5 / 1.2	1.7 / 0.38	33.66 / 1.325	7602 / 3
LA15-65-000A	66.72 / 15	101.6 / 4	18.9 / 4.25	4.003 / 0.9	38.1 / 1.5	165.1 / 605
LA09-19-000A	6.25/1.406	10.16/.40	2.31/.52	1.25/.28	22.6/.89	48.2/1.90
LA12-50-001A	2.22/.50	76.2/3.00	.14/0.62	.072/0.322	33.02 / 1.3	114.3 / 4.5
LA14-24-000A	31.13 / 7.0	22.2 /0.87	14.9 / 3.35	3.2 / 0.72	80.77/ 3.18	60.3 / 2.375
LA18-32-000A	142.34/ 32.0	12.7 / 0.50	43.15 / 9.7	9.03 / 2.03	88.9 / 3.5	82.5 / 3.25



LA09-19-000A



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For additional VCA details see detailed drawing

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