

# LINEAR ACTUATORS | LCA SERIES

Developed as next generation servo motor based on moving coil technology. Snap-Together design controls tight tolerance stack-up to assure high product quality at a competitive price.



- ✓ Cost effective
- ✓ Built-in lubrication for long operation life
- ✓ High cycle and acceleration
- ✓ IP protection optional

Part Number	Voltage [DC]	Size: LxWxH [mm]	Stroke [mm]	Peak Force [N]	Continuous Force [N]	Force Constant [N/A]	Maximum Current [Amp]	Moving Mass [kg]	Weight [kg]
LCA6-010-55-3	24	135x60x6	10	3.5	(*)	2.9	1.2	0.037	0.21
LCA8-010-55-2	24	95x50x8	10	4	(*)	3.2	1.7	0.025	0.16
LCA8-025-15-3	24	110x50x8	25	2.6	(*)	2.2	1.3	0.027	0.18
LCA8-050-15-3	24	135x50x8	50	2.6	(*)	2.2	1.3	0.03	0.22
LCA13-025-55-2	24	155x75x13	25	7	2.8	2.5	3	0.08	0.4
LCA13-035-15-6	24	180x75x13	35	14	5.6	9.4	1.5	0.12	0.52
LCA13-050-15-6	24	210x75x13	50	14	5.6	9.4	1.5	0.125	0.6
LCA16-010-55-2	24	110x60x16	10	6	2.5	4.3	1.5	0.045	0.435
LCA16-010-75-2	48	110x60x16	10	13	5	6.5	1.5	0.045	0.435
LCA16-025-55-2	24	155x75x16	25	7	2.8	2.5	3	0.08	0.47
LCA16-035-15-6	24	180x75x16	35	14	5.6	9.4	1.5	0.12	0.62
LCA16-050-15-6	24	210x75x16	50	14	5.6	9.4	1.5	0.125	0.73
LCA20-025-55-2	24	155x75x20	25	9	3.6	3	3	0.08	0.71
LCA20-025-75-2	48	155x75x20	25	25	10	7	3.6	0.08	0.71
LCA25-010-55-1	24	70x55x25	10	8	3	6	1.5	0.04	0.27
LCA25-010-55-2	24	130x60x25	10	16	6	5.5	3	0.085	0.45
LCA25-010-75-1	48	70x55x25	10	12	5	8	1.5	0.04	0.27
LCA25-010-75-2	48	130x60x25	10	22	9	8	3	0.085	0.45
LCA25-025-15-6	24	130x60x25	25	15	6	13	1.6	0.076	0.55
LCA25-025-35-6	48	130x60x25	25	20.5	8.2	14.5	1.6	0.076	0.55
LCA25-025-55-2	24	130x60x25	25	7.4	2.9	2.5	3	0.076	0.55
LCA25-025-75-2	48	130x60x25	25	9.2	3.6	3	3	0.076	0.55
LCA25-050-15-6	24	155x60x25	50	15	6	13	1.6	0.082	*
LCA25-050-35-6	48	155x60x25	50	20.5	8.2	14.5	1.6	0.082	*
LCA25-100-15-6	24	205x60x25	100	15	6	13	1.6	0.1	*
LCA25-100-35-6	48	205x60x25	100	20.5	8.2	14.5	1.6	0.1	*
LCA25-150-15-6	24	258x60x25	150	15	6	13	1.6	0.12	*
LCA25-150-35-6	48	258x60x25	150	20.5	8.2	14.5	1.6	0.12	*
LCA25-200-15-6	24	310x60x25	200	15	6	13	1.6	0.14	1.3
LCA25-200-35-6	48	310x60x25	200	20.5	8.2	14.5	1.6	0.14	1.3

# LINEAR ACTUATORS | LCA SERIES CONT.

Part Number	Voltage [DC]	Size: LxWxH [mm]	Stroke [mm]	Peak Force [N]	Continuous Force [N]	Force Constant [N/A]	Maximum Current [Amp]	Moving Mass [kg]	Weight [kg]
LCA32-012-75-3	48	100x57x31	12	76	30	13	6	0.076	0.75
LCA50-010-75-2	48	125x50x100	10	130	50	46	2.8	0.43	2.6
LCA50-025-75-1	48	125x100x50	25	50	20	40	1.5	0.335	2.16
LCA50-050-35-6	48	250x115x50	50	90	36	67	1.7	0.665	*
LCA50-050-75-1	48	125x100x50	50	45	18	30	1.6	0.335	2.58
LCA50-050-75-2	48	215x100x50	50	85	34	30	3	0.465	4.34
LCA50-100-35-6	48	300x115x50	100	90	36	67	1.7	0.66	5.7
LCA50-150-35-6	48	350x115x50	150	90	36	67	1.7	0.825	8
LCA50-250-35-6	48	450x115x50	250	90	36	67	1.7	1	14

NOTE: For any SMAC Moving Coil Actuators, the maximum recommended continuous duty current is 600mA supplied to the actuator over a 1 second period. For anything beyond this in terms of current draw or time please consult the factory. We manufacture actuators to suit our customers' requirements. Please call us if you do not find the right actuator in this list. Linear actuators are also available as linear slides (see page 20). (\*)Consult factory



LCA6



LCA8



LCA13



LCA16/LCA20



LCA25



LCA32



LCA50



## Options & Modifications (Consult factory for availability)

- Linear encoder resolutions ----- 5µm standard. 1µm and 0.1µm optional for most units. Consult factory for availability.
- Shaft ends ----- Male, Female, Blank and Custom (check availability of custom option).
- Return spring ----- Prevents the shaft from dropping during vertical operation when power is cut.
- Vacuum ----- Vacuum through the shaft or on the shaft for pick and place applications.
- Extended nosh bushing ----- For tighter shaft run-out and higher side load onto the shaft.
- Increase of force & acceleration ----- 48 volt coil and double coil options are available for some units with 24 volt single coil.
- Increase of force accuracy/lifetime ----- Low-friction linear guide/extra-long preload linear guide.
- Dust/Waterproof ----- IP65/67 protection is available with LCA50 series.