

# LINEAR ACTUATORS

## QUICK REFERENCE FOR SELECTING A LINEAR ACTUATOR



Series	Capacity	Voltages	Standard Stroke Lengths	Maximum Speed at Rated Load	Load Limiting Clutch	Limit Switches	Feedback	Current Draw at Rated Load	Duty Cycle at Rated Load	Motor Overload Protection	Envir. Rating	Temp. Range	Restraining Torque	Translating Tube Material	Options
	lb (N)	V (Hz)	in (mm)	in/s (mm/s)	Yes, No, N/A		Opt. or N/A	A (VDC or VAC)	%	Yes or N/A	Std. (Opt.)	*F (*C)	in-lbf (Nm)	Metal	
LT	27 to 225 (120 to 1000)	12 or 24 VDC	2, 4, 5.9, 7.9, 9.8, 11.8 (25 to 300)	Up to 1.3 (Up to 33)	N/A	Fixed	Opt.	Up to 3.5 A (12 VDC) Up to 2.0 A (24 VDC)	20	N/A	IP66	-13 to 150 (-25 to 65)	Keyed	Polished Aluminum	Stainless Steel Translating Tube Third Limit Switch
LS	450 to 675 (2000 to 3000)	12 VDC or 115 VAC	4, 8, 12, 24 (101, 203, 304, 608)	Up to 0.26 (6.6)	N/A	Adj.	N/A	10 A (12 VDC) 1.6 A (115 VAC)	17	Yes**	N/A	32 to 110 (0 to 43)	N/A	Plated Steel	N/A
TMD01	100 (444)	12 or 24 VDC	2, 4, 6, 8, 10, 12 (50, 101, 152, 203, 254, 304)	Up to 1 (25)	N/A	Opt.	Opt.	7 A (12 VDC) 5 A (24 VDC)	25	N/A	IP50	25 to 120 (-4 to 50)	Keyed	Stainless Steel	Adjustable Limit Switches Pulse Generator Feedback
TMD02	250 (1112)	12 or 24 VDC	2, 4, 6, 8, 10, 12 (50, 101, 152, 203, 254, 304)	Up to 0.75 (19)	N/A	Opt.	Opt.	7 A (12 VDC) 5 A (24 VDC)	25	N/A	IP50	25 to 120 (-4 to 50)	Keyed	Stainless Steel	Adjustable Limit Switches Pulse Generator Feedback
HMPD - Clutch	250 (1112)	12 or 24 VDC	3, 6, 12, 18 (76, 152, 304, 457)	Up to 2 (50)	Yes	N/A	N/A	Up to 28 A	Up to 32	Yes	IP50 (IP52)	25 to 120 (-4 to 50)	30 (3.4)	Steel Zinc Chromate Plated	Weather Sealant Bellows Boot
HMPD - Limit Switch	250 (1112)	12 or 24 VDC	3, 6, 12, 18 (76, 152, 304, 457)	Up to 2 (50)	N/A	Adj.	Opt.	Up to 28 A	Up to 32	Yes	IP50 (IP52)	25 to 120 (-4 to 50)	30 (3.4)	Steel Zinc Chromate Plated	Potentiometer Weather Resistant Bellows Boot
HMPB	250 (1112)	115 or 220 VAC (60 Hz)	3, 6, 12, 18 (76, 152, 304, 457)	Up to 1.4 (35)	N/A	Adj.	Opt.	Up to 5.0 A	Up to 23	Yes	IP50 (IP52)	25 to 120 (-4 to 50)	30 (3.4)	Steel Zinc Chromate Plated	Potentiometer, Capacitor Weather Resistant Capacitor Enclosure
HSPB	250 (1112)	115 or 220 VAC (60 Hz)	3, 6, 12, 18 (76, 152, 304, 457)	Up to 1.4 (36)	Yes	N/A	N/A	Up to 5.1 A	Up to 24	Yes	IP50 (IP52)	25 to 120 (-4 to 50)	30 (3.4)	Steel Zinc Chromate Plated	Capacitor Weather Resistant Capacitor Enclosure
MPD	500 (2224)	12 or 24 VDC	3, 6, 12, 18 (76, 152, 304, 457)	Up to 0.85 (22)	Upon request	Adj.	Opt.	23 A (12 VDC) 12 A (24 VDC)	Up to 19	Yes	IP50 (IP52)	25 to 120 (-4 to 50)	60 (6.7)	Steel Zinc Chromate Plated	Potentiometer Weather Resistant Bellows Boot
HMPB	500 (2224)	115 or 220 VAC (60 Hz)	3, 6, 12, 18 (76, 152, 304, 457)	Up to 1.3 (33)	No	Adj.	Opt.	Up to 5.5 A	Up to 22	Yes	IP50 (IP52)	25 to 120 (-4 to 50)	60 (6.7)	Steel Zinc Chromate Plated	Potentiometer Weather Resistant Bellows Boot
SPB	500 (2224)	115 or 220 VAC (60 Hz)	3, 6, 12, 18 (76, 152, 304, 457)	Up to 1.3 (33)	Yes	N/A	N/A	Up to 5.5 A	Up to 24	Yes	IP50 (IP52)	25 to 120 (-4 to 50)	60 (6.7)	Steel Zinc Chromate Plated	Capacitor Weather Resistant Capacitor Enclosure
TAC	500 (2224)	12 or 24 VDC	4, 6, 12, 18 (102, 152, 304, 457)	Up to 0.45 (11)	Yes	N/A	N/A	10 A (12 VDC) 5 A (24 VDC)	40	Yes	IP50	25 to 120 (-4 to 50)	40 (4.5)	Stainless Steel	Bellows Boot
XLT	565 to 1015 (2513 to 4515)	12 or 24 VDC	1.97, 3.94, 5.91, 7.87, 9.84, 11.81 (50, 100, 150, 200, 250, 300)	Up to 1.89 (48)	Yes	Fixed	Opt.	Up to 25 A (VDC) Up to 12.5 A (VAC)	20	N/A	IP66S	-13 to 150 (-25 to 65)	Keyed	Polished Aluminum	Stainless Steel Translating Tube
TAL	1000 (4448)	115 or 220/230 VAC (60 Hz)	4, 8, 12, 18 (101, 203, 304, 407)	Up to 0.45 (11)	No	Adj.	Opt.	4 A (115 VAC) 2.0/2.5 A (220/230 VAC)	17.5 (115 VAC) 17/14 (220/230 VAC)	Yes	IP50	-20 to 120 (-29 to 50)	80 (9)	Stainless Steel	Bellows Boot
SPD	1500 (6672)	12 VDC	3, 6, 12, 18, 24, 30, 36 (76, 152, 304, 457, 608, 762, 915)	0.43 (11)	Upon request	Opt.	Opt.	27 A	27	Yes	IP50 (IP52)	15 to 120 (-10 to 50)	215 (24.2)	Steel Zinc Chromate Plated	Potentiometer Weather Resistant Bellows Boot
SPA	1500 (6672)	115 or 220 VAC (60 Hz)	3, 6, 12, 18, 24, 30, 36 (76, 152, 304, 457, 608, 762, 915)	Up to 0.83s (21)	N/A	Adj.	Opt.	Up to 6.5 A (115 VAC) Up to 2 A (220 VAC, 50 Hz)	Up to 25	Yes	IP50 (IP52)	15 to 120 (-10 to 50)	215 (24.2)	Steel Zinc Chromate Plated	Potentiometer Weather Resistant Bellows Boot
SPA	2000 (8896)	115 or 220 VAC (60 Hz)	3, 6, 12, 18, 24 (76, 152, 304, 457, 608)	Up to 0.86 (22)	N/A	Adj.	Opt.	Up to 5.1 A	Up to 25	Yes	IP50 (IP52)	15 to 120 (-10 to 50)	180 (20.3)	Steel Zinc Chromate Plated	Potentiometer Weather Resistant Bellows Boot
CMLA	500 to 2000 (2224 to 8896)	115 or 230 VAC (60 Hz), 230/460 VAC (60 Hz/3ph)	3.9, 5.9, 11.9, 17.7, 23.6, 29.5 (100, 150, 300, 450, 600, 750)	Up to 0.8 (203)	Yes*	Opt. Adj.	Opt. Pot.	Up to 8.3 A	Up to 16,000 in/hr (406 m/hr)	Yes	IP66S	4 to 150 (-20 to 65)	Keyed	Hardened Chrome Stainless Steel	Potentiometer Adjustable Limit Switches

\*\*Not available on 1000 lb quad speed 2.1:1 ratio, \*\*AC motor thermal protection.