

Linear Actuators

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Options:

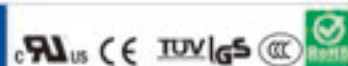
- Adjustable Cam
- Feedback
- Cord set output
- Dust Cover

Applications:

- Treadmills
- Adjustable Work Stations
- Adjustable TV Stands
- Adjustable beds

Model:LVGS JS 25

Input Voltage	110 or 220 VAC 50/60 Hertz
Load Capacity Thrust	1050 pounds(4650 Newton's)
Travel Speed inch per second/mm per sec	0.11 to 0.37 Inch per sec.(2.8 to 9.5mm)
Operating Temperature	40 to 60 °C
Duty Cycle	1 Minute on 8 Minutes Off
Thermal Protector Rating	105°C+/-5°
Stroke	Customer Defines
Capacitor	Electrolytic,Internal Mounting
Feedback,Potentiometer,Optical	Optional,Internal Mounting



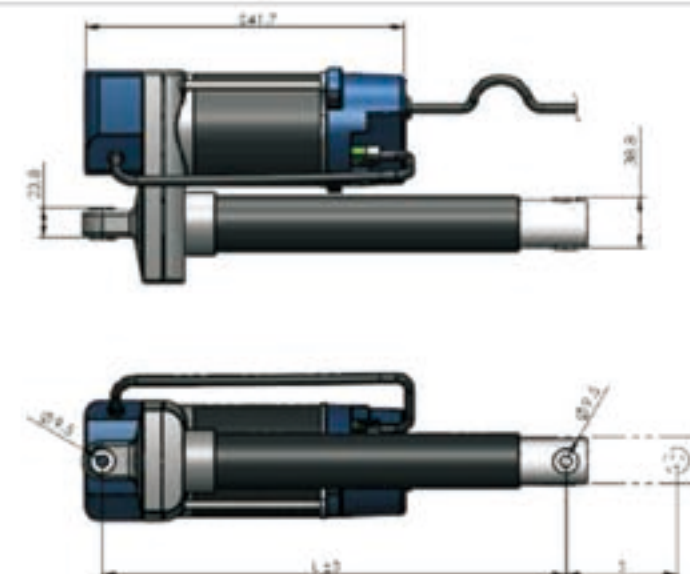
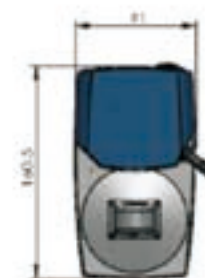
LVGS JS 25



Features:

- Permanent Split Capacitor Quiet Drive Motor
- Low Voltage Control
- Needle Type Heavy Duty Thrust Bearings
- Precision Ball Bearings
- Class 2G Acme Shaft
- Internal Limit Switches
- Adjustable Cam
- Rugged Aluminum Castings
- Fibre-Reinforced Plastic Gears For Added Strength & Quietness

This medium size Low Voltage linear actuator can handle thrust loads up to 1100 pounds. It comes with a low voltage control attached to the top of the motor, and comes with a hand wand. It is currently used on home electric beds and stand-up type recliners.



Model LVGS25 Total Ratio(Gear Ratio/Screw Leads) Reference

Input Motor	Gear Ratio Thread Type(threads per inch) Input frequency(Hz)	13:1								20:1								25:1							
		6				8				6				8				6				8			
		60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50
2 pole 50mm	Full load Speed in-min(cm-min)	42	107	36	91	32	81	27	68	28	70	23	59	21	52	18	44	22	56	19	47	17	42	14	36
	Full load thrust pounds(Newtons)	230	1023	240	1068	310	1379	330	1468	360	1601	380	1690	480	2135	510	2269	450	2002	480	2135	600	2669	640	2847
	Starting thrust pounds(Newtons)	300	1334	320	1423	410	1824	440	1957	480	2135	510	2269	640	2847	690	3069	600	2669	640	2847	800	3559	860	3825
2 pole 40mm	Full load Speed in-min(cm-min)	42	107	36	91	32	81	27	68	28	70	23	59	21	52	18	44	22	56	19	47	17	42	14	36
	Full load thrust pounds(Newtons)	170	756	180	801	230	1023	240	1068	270	1201	290	1290	360	1601	380	1690	330	1468	350	1557	450	2002	480	2135
	Starting thrust pounds(Newtons)	210	934	220	979	280	1246	300	1334	330	1468	350	1557	440	1957	470	2091	410	1824	440	1957	550	2447	590	2624
2 pole 30mm	Full load Speed in-min(cm-min)	42	107	36	91	32	81	27	68	28	70	23	59	21	52	18	44	22	56	19	47	17	42	14	36
	Full load thrust pounds(Newtons)	130	578	140	623	180	801	190	845	210	934	220	979	280	1246	300	1334	260	1157	280	1246	350	1557	370	1646
	Starting thrust pounds(Newtons)	150	667	160	712	210	934	220	979	240	1068	250	1112	330	1468	350	1557	300	1334	320	1423	420	1868	450	2002

Input Motor	Gear Ratio Thread Type(threads per inch) Input frequency(Hz)	13:1								20:1								25:1							
		6				8				6				8				6				8			
		60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50
4 pole 50mm	Full load Speed in-min(cm-min)	21	54	18	46	16	40	13	34	14	35	12	30	10	26	9	22	11	28	9	24	8	21	7	18
	Full load thrust pounds(Newtons)	420	1868	450	2002	570	2535	610	2713	660	2936	710	3158	880	3914	850	4226	820	3648	880	3914	1100	4893	1180	5249
	Starting thrust pounds(Newtons)	540	2402	580	2580	720	3203	770	3425	840	3737	900	4003	1120	4982	1200	5338	1050	4671	1130	5026	1400	6228	1510	6717
4 pole 40mm	Full load Speed in-min(cm-min)	21	54	18	46	16	40	13	34	14	35	12	30	10	26	9	22	11	28	9	24	8	21	7	18
	Full load thrust pounds(Newtons)	340	1512	360	1601	460	2046	490	2180	540	2402	580	2580	720	3203	770	3425	670	2980	720	3203	900	4003	970	4315
	Starting thrust pounds(Newtons)	420	1868	450	2002	570	2535	610	2713	660	2936	710	3158	880	3914	950	4226	820	3648	880	3914	1100	4893	1180	5249
4 pole 30mm	Full load Speed in-min(cm-min)	21	54	18	46	16	40	0	0	14	35	12	30	10	26	9	22	11	28	9	24	8	21	7	18
	Full load thrust pounds(Newtons)	290	1290	310	1379	390	1735	420	1868	450	2002	480	2135	600	2669	640	2847	560	2491	600	2669	750	3336	810	3603
	Starting thrust pounds(Newtons)	340	1512	360	1601	460	2046	490	2180	540	2402	580	2580	720	3203	770	3425	670	2980	720	3203	900	4003	970	4315

LVGS25 - XXX - XX - X - XX - XXX - XX - XX - XX - XX

Model	Volts	Ratio	Thread	Stack	Stroke	Sensor	Trunnion	Wire	Hole dia
	110	20	6	30	50 to	LS-Limit	E1	W1	9.6mm 3/8"
	220	25	8	40	300 mm	Switch	E2	W2	8mm
				50		1K-Pot			10mm
						10K-Pot			
						LP-Limit			
						&Pot			

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