

Linear Actuators

Linear Actuators

- Options:
- Adjustable Cam
 - Feedback
 - Cord set output
 - Dust Cover
 - Brake

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

Model: JS18	
Input Voltage	110 or 220 VAC 50/60 Hertz
Load Capacity Thrust	800 Pounds(3500 Newtons)
Travel Speed Inch per second/mm per sec	0.18 to 0.54 inch per sec.(4.6 to 13.7mm)
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



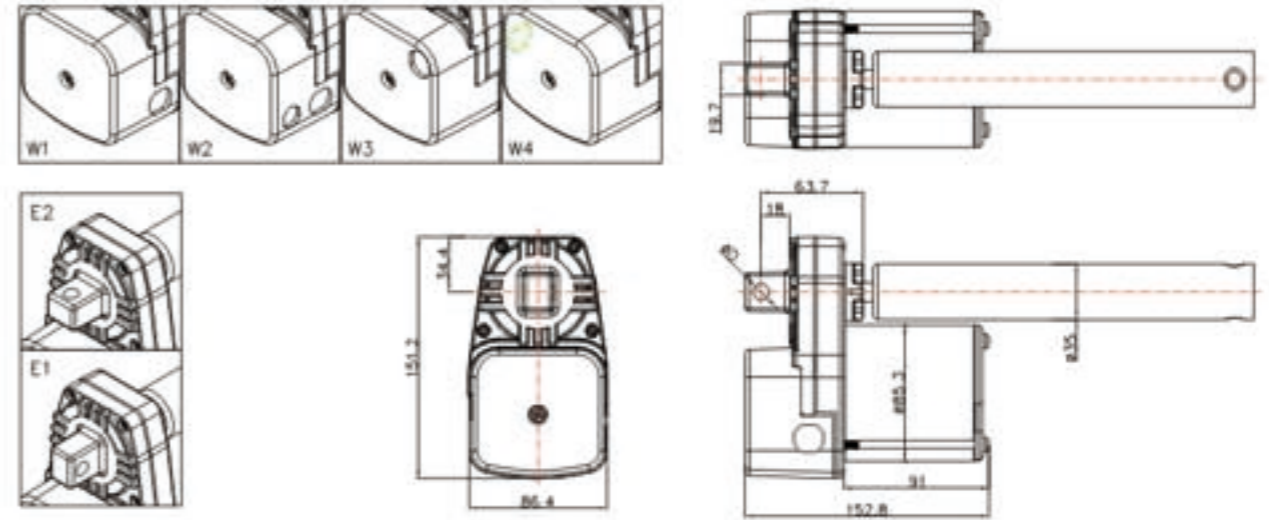
JS18



Features:

- Permanent Split Capacitor Quiet Drive Motor
- 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 linear actuator can handle thrust loads up to 1000 pounds. It is perfect for an application that requires large thrust loads with decent travel speeds. It is currently used on home treadmills & fitness equipment, office equipment, adjustable work stations & electric beds.



Model Js18 Total Ratio(Gear Ratio/Screw Leads) Reference

Input Motor	Gear Ratio Thread Type(threads per inch) Input frequency(Hz)	20:1				25:1			
		6		8		6		8	
		60	50	60	50	60	50	60	50
2 pole 50mm	Full load Speed in-min(mm-min)	28(699)	23(592)	21(524)	18(444)	22(559)	19(474)	17(419)	14(356)
	Full load thrust pounds(Newtons)	270(1201)	290(1290)	370(1,645)	390(1,734)	350(1,557)	370(1,648)	470(2,091)	500(2,224)
	Starting thrust pounds(Newtons)	360(1601)	380(1690)	480(2,135)	510(2,268)	450(2,002)	480(2,135)	600(2,668)	640(2,847)
2 pole 40mm	Full load Speed in-min(mm-min)	28(699)	23(592)	21(523)	18(444)	22(559)	19(474)	17(419)	14(356)
	Full load thrust pounds(Newtons)	240(1068)	250(1112)	320(1,423)	340(1,512)	300(1,334)	320(1,423)	400(1,779)	430(1,913)
	Starting thrust pounds(Newtons)	300(1334)	320(1423)	400(1,779)	430(1,912)	370(1,648)	390(1,735)	500(2,224)	540(2,402)
2 pole 30mm	Full load Speed in-min(mm-min)	28(699)	23(592)	21(523)	18(444)	22(559)	19(474)	17(419)	14(356)
	Full load thrust pounds(Newtons)	210(934)	220(979)	280(1,245)	300(1,334)	260(1,157)	280(1,248)	350(1,557)	370(1,648)
	Starting thrust pounds(Newtons)	240(1068)	250(1112)	330(1,467)	350(1,556)	310(1,371)	330(1,468)	420(1,868)	450(2,002)
4 pole 50mm	Full load Speed in-min(mm-min)	14(349)	12(296)	10(262)	9(222)	11(279)	9(237)	8(210)	7(178)
	Full load thrust pounds(Newtons)	570(2,535)	610(2,713)	760(3,381)	390(1,734)	710(3,158)	760(3,381)	950(4,226)	1020(4,537)
	Starting thrust pounds(Newtons)	690(3,068)	740(3,292)	920(4,092)	990(4,404)	860(3,825)	920(4,092)	1150(5,115)	1240(5,516)
4 pole 40mm	Full load Speed in-min(mm-min)	14(349)	12(296)	10(262)	9(222)	11(279)	9(237)	8(210)	7(178)
	Full load thrust pounds(Newtons)	510(2,268)	550(2,447)	680(3,025)	730(3,247)	630(2,802)	680(3,025)	850(3,781)	910(4,048)
	Starting thrust pounds(Newtons)	600(2,699)	640(2,847)	800(3,559)	860(3,825)	740(3,292)	790(3,514)	1000(4,448)	1080(4,804)
4 pole 30mm	Full load Speed in-min(mm-min)	14(349)	12(296)	10(262)	9(222)	11(279)	9(237)	8(210)	7(178)
	Full load thrust pounds(Newtons)	450(2,002)	480(2,135)	600(2,669)	640(2,847)	560(2,491)	600(2,669)	750(3,336)	810(3,603)
	Starting thrust pounds(Newtons)	540(2,402)	580(2,580)	720(3,203)	770(3,425)	660(2,936)	710(3,158)	900(4,003)	970(4,315)

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Model	Volts	Thread	Stack	Stroke	Sensor	Trunnion	Wire	Hole dia
	110	6	20	50 to	LS-Limit	E1	W1	9.6mm 3/8"
	220	8	30	300 mm	Switch	E2	W2	8mm
					1K-Pot		W3	10mm
					10K-Pot		W4	
					LP-Limit &Pot			

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