



## Electrical Data



SUN YEH ELECTRICAL IND. CO., LTD.

SY09-GA01A1-EN

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# Explosion-proof Linear Electric Valve Actuator

## 1. LE-250 to 2000, 1PH, 75% duty cycle

### 1.1 24VAC/DC, Floating Control, 75% duty cycle

Model	Thrust			Motor Power	Power Consumption	Running Current	Running Speed		Lock Current
	kgf	lbf	N	W	DC / 60 / 50 Hz	DC / 60 / 50 Hz	DC / 60 / 50 Hz	DC / 60 / 50 Hz	DC / 60 / 50 Hz
	kgf	lbf	N	W	W	Amp	mm / sec	inch / sec	Amp
LE-250	250	550	2450	15	22 / 23 / 23	0.9 / 1.0 / 1.0	0.6 / 0.46 / 0.38	0.023 / 0.018 / 0.015	1.24 / 1.47 / 1.42
LE-500	500	1100	4900	15	36 / 38 / 38	1.5 / 1.6 / 1.6	0.6 / 0.46 / 0.38		1.24 / 1.47 / 1.42
LE-1000	1000	2205	9805	35	63 / 67 / 65	2.6 / 3.1 / 3.0	0.5 / 0.46 / 0.38	0.019 / 0.018 / 0.015	12.38 / 9.91 / 10.43
LE-2000	2000	4410	19615	35	68 / 76 / 92	2.8 / 3.5 / 4.2	0.5 / 0.46 / 0.38		12.59 / 9.57 / 9.69

- The running current is measured at max thrust.

### 1.2 24VAC/DC, Modulating Control, 75% duty cycle

Model	Thrust			Motor Power	Power Consumption	Running Current	Running Speed		Lock Current
	kgf	lbf	N	W	DC / 60 / 50 Hz	DC / 60 / 50 Hz	DC / 60 / 50 Hz	DC / 60 / 50 Hz	DC / 60 / 50 Hz
	kgf	lbf	N	W	W	Amp	mm / sec	inch / sec	Amp
LE-250	250	550	2450	15	22 / 16 / 16	0.9 / 1.0 / 1.0	0.6 / 0.46 / 0.38	0.023 / 0.018 / 0.015	1.24 / 1.47 / 1.42
LE-500	500	1100	4900	15	36 / 25 / 26	1.5 / 1.6 / 1.6	0.6 / 0.46 / 0.38		1.24 / 1.47 / 1.42
LE-1000	1000	2205	9805	35	63 / 67 / 66	2.6 / 3.1 / 3.0	0.5 / 0.46 / 0.38	0.019 / 0.018 / 0.015	12.38 / 9.91 / 10.43
LE-2000	2000	4410	19615	35	68 / 77 / 92	2.8 / 3.5 / 4.2	0.5 / 0.46 / 0.38		12.59 / 9.57 / 9.69

- The running current is measured at max thrust.

### 1.3 110-120VAC, Floating Control, 75% duty cycle

Model	Thrust			Motor Power	Power Consumption	Running Current	Running Speed		Lock Current
	kgf	lbf	N	W	60 / 50 Hz	60 / 50 Hz	60 / 50 Hz	60 / 50 Hz	60 / 50 Hz
	kgf	lbf	N	W	W	Amp	mm / sec	inch / sec	Amp
LE-250	250	550	2450	15	24 / 24	0.3 / 0.3	0.46 / 0.38	0.018 / 0.015	0.61 / 0.58
LE-500	500	1100	4900	15	56 / 57	0.7 / 0.7	0.46 / 0.38		0.61 / 0.58
LE-1000	1000	2205	9805	35	59 / 63	0.7 / 0.7	0.46 / 0.38		3.31 / 3.24
LE-2000	2000	4410	19615	35	103 / 124	1.1 / 1.2	0.46 / 0.38		3.15 / 3.46

- The running current is measured at max thrust.

# Explosion-proof Linear Electric Valve Actuator

## 1.4 110-120VAC, Modulating Control, 75% duty cycle

Model	Thrust			Motor Power	Power Consumption	Running Current	Running Speed		Lock Current
	kgf	lbf	N	W	60 / 50 Hz	60 / 50 Hz	60 / 50 Hz	60 / 50 Hz	60 / 50 Hz
	kgf	lbf	N	W	W	Amp	mm / sec	inch / sec	Amp
LE-250	250	550	2450	15	24 / 24	0.3 / 0.3	0.46 / 0.38	0.018 / 0.015	0.61 / 0.58
LE-500	500	1100	4900	15	55 / 56	0.7 / 0.7	0.46 / 0.38		0.61 / 0.58
LE-1000	1000	2205	9805	35	48 / 48	0.7 / 0.7	0.46 / 0.38		3.31 / 3.24
LE-2000	2000	4410	19615	35	78 / 87	1.1 / 1.2	0.46 / 0.38		3.15 / 3.46

- The running current is measured at max thrust.

## 1.5 220-240VAC, Floating Control, 75% duty cycle

Model	Thrust			Motor Power	Power Consumption	Running Current	Running Speed		Lock Current
	kgf	lbf	N	W	60 / 50 Hz	60 / 50 Hz	60 / 50 Hz	60 / 50 Hz	60 / 50 Hz
	kgf	lbf	N	W	W	Amp	mm / sec	inch / sec	Amp
LE-250	250	550	2450	15	28 / 28	0.2 / 0.2	0.46 / 0.38	0.018 / 0.015	0.33 / 0.36
LE-500	500	1100	4900	15	42 / 41	0.3 / 0.3	0.46 / 0.38		0.33 / 0.36
LE-1000	1000	2205	9805	35	39 / 39	0.3 / 0.3	0.46 / 0.38		1.7 / 1.55
LE-2000	2000	4410	19615	35	65 / 69	0.5 / 0.5	0.46 / 0.38		1.59 / 1.57

- The running current is measured at max thrust.

## 1.6 220-240VAC, Modulating Control, 75% duty cycle

Model	Thrust			Motor Power	Power Consumption	Running Current	Running Speed		Lock Current
	kgf	lbf	N	W	60 / 50 Hz	60 / 50 Hz	60 / 50 Hz	60 / 50 Hz	60 / 50 Hz
	kgf	lbf	N	W	W	Amp	mm / sec	inch / sec	Amp
LE-250	250	550	2450	15	24 / 25	0.2 / 0.2	0.46 / 0.38	0.018 / 0.015	0.33 / 0.36
LE-500	500	1100	4900	15	37 / 38	0.3 / 0.3	0.46 / 0.38		0.33 / 0.36
LE-1000	1000	2205	9805	35	36 / 35	0.3 / 0.3	0.46 / 0.38		1.7 / 1.55
LE-2000	2000	4410	19615	35	60 / 59	0.5 / 0.5	0.46 / 0.38		1.59 / 1.57

- The running current is measured at max thrust.



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