

# L

SERIES

## Linear

Electric Valve Actuators

The logo for Sun Yeh, featuring a stylized green 'S' followed by the word 'UNYEH' in blue. The 'Y' and 'E' are connected, and the 'H' has a white arrow pointing to the right.

## Electrical Data



SUN YEH ELECTRICAL IND. CO., LTD.

SY03-GA01A1\_EN

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# Linear Electric Valve Actuators Electrical Data

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

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

Model	Thrust			Motor Power W	Power Consumption DC / 60 / 50 Hz W	Running Current DC / 60 / 50 Hz Amp	Running Speed DC / 60 / 50 Hz		Lock Current DC / 60 / 50 Hz Amp
	kgf	lbf	N				mm / sec	inch / sec	
L-250	250	550	2450	15	8 / 16 / 14	0.3 / 0.7 / 0.6	0.6 / 0.6 / 0.6	0.023 / 0.023 / 0.023	2.4 / 2.4 / 2.4
L-500	500	1100	4900	15	10 / 19 / 17	0.4 / 0.8 / 0.7			2.4 / 2.4 / 2.4
L-1000	1000	2205	9805	25	15 / 20 / 20	0.6 / 0.9 / 0.9	0.5 / 0.5 / 0.5	0.019 / 0.019 / 0.019	13.4 / 13.4 / 13.4
L-2000	2000	4410	19615	35	15 / 20 / 20	0.6 / 0.9 / 0.9			15.7 / 15.7 / 15.7

● The running current is measured at max thrust.

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

Model	Thrust			Motor Power W	Power Consumption DC / 60 / 50 Hz W	Running Current DC / 60 / 50 Hz Amp	Running Speed DC / 60 / 50 Hz		Lock Current DC / 60 / 50 Hz Amp
	kgf	lbf	N				mm / sec	inch / sec	
L-250	250	550	2450	15	8 / 11 / 10	0.3 / 0.7 / 0.6	0.6 / 0.6 / 0.6	0.023 / 0.023 / 0.023	2.4 / 2.4 / 2.4
L-500	500	1100	4900	15	10 / 13 / 12	0.4 / 0.8 / 0.7			2.4 / 2.4 / 2.4
L-1000	1000	2205	9805	25	15 / 20 / 20	0.6 / 0.9 / 0.9	0.5 / 0.5 / 0.5	0.019 / 0.019 / 0.019	13.4 / 13.4 / 13.4
L-2000	2000	4410	19615	35	15 / 20 / 20	0.6 / 0.9 / 0.9			15.7 / 15.7 / 15.7

● The running current is measured at max thrust.

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

Model	Thrust			Motor Power W	Power Consumption 60 / 50 Hz W	Running Current 60 / 50 Hz Amp	Running Speed 60 / 50 Hz		Lock Current 60 / 50 Hz Amp
	kgf	lbf	N				mm / sec	inch / sec	
L-250	250	550	2450	15	24 / 24	0.3 / 0.3	0.6 / 0.6	0.023 / 0.023	0.8 / 0.8
L-500	500	1100	4900	15	56 / 57	0.7 / 0.7			0.8 / 0.8
L-1000	1000	2205	9805	25	59 / 63	0.7 / 0.7	0.5 / 0.5	0.019 / 0.019	0.7 / 0.7
L-2000	2000	4410	19615	35	94 / 104	1.0 / 1.0			0.7 / 0.7

● The running current is measured at max thrust.

# Linear Electric Valve Actuators Electrical Data

## 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
					W	Amp	mm / sec	inch / sec	Amp
L-250	250	550	2450	15	24 / 24	0.3 / 0.3	0.6 / 0.6	0.023 / 0.023	0.8 / 0.8
L-500	500	1100	4900	15	55 / 56	0.7 / 0.7			0.8 / 0.8
L-1000	1000	2205	9805	25	48 / 48	0.7 / 0.7	0.5 / 0.5	0.019 / 0.019	0.7 / 0.7
L-2000	2000	4410	19615	35	71 / 72	1.0 / 1.0			0.7 / 0.7

- 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
					W	Amp	mm / sec	inch / sec	Amp
L-250	250	550	2450	15	28 / 28	0.2 / 0.2	0.6 / 0.6	0.023 / 0.023	0.5 / 0.5
L-500	500	1100	4900	15	42 / 41	0.3 / 0.3			0.5 / 0.5
L-1000	1000	2205	9805	25	39 / 39	0.3 / 0.3	0.5 / 0.5	0.019 / 0.019	1.5 / 1.5
L-2000	2000	4410	19615	35	65 / 69	0.5 / 0.5			1.5 / 1.5

- 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
					W	Amp	mm / sec	inch / sec	Amp
L-250	250	550	2450	15	24 / 25	0.2 / 0.2	0.6 / 0.6	0.023 / 0.023	0.5 / 0.5
L-500	500	1100	4900	15	49 / 50	0.4 / 0.4			0.5 / 0.5
L-1000	1000	2205	9805	25	48 / 47	0.4 / 0.4	0.5 / 0.5	0.019 / 0.019	1.5 / 1.5
L-2000	2000	4410	19615	35	84 / 83	0.7 / 0.7			1.5 / 1.5

- The running current is measured at max thrust.



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