

# OME

SERIES

## Explosion-proof Quarter-turn

Electric Valve Actuator

# SUNYEH

## Electrical Data



SUN YEH ELECTRICAL IND. CO., LTD.

SY07-GA01A1-EN

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# Explosion-proof Quarter-turn Electric Valve Actuator Electrical Data

## 1. OME-1 to 8, 1PH, 30% & 75% duty cycle

### 1.1 12VDC, Floating Control, 75% duty cycle

Model	Torque		Motor Power W	Running Current	Running Time	Lock Current
	Nm	in-lb		DC / 60 / 50 Hz Amp	DC / 60 / 50 Hz Sec / 90°	DC / 60 / 50 Hz Amp
OME-1	35	310	10	2.9 / - / -	22 / - / -	3.1 / - / -
OME-A / AM	50	445	10	2.5 / - / -	34 / - / -	3.1 / - / -
OME-2	90	800	40	4.4 / - / -	15 / - / -	17.5 / - / -
OME-3	150	1330	40	5.1 / - / -	24 / - / -	17.5 / - / -
OME-4	400	3540	80	14.1 / - / -	21 / - / -	40.6 / - / -
OME-5	500	4430	80	14.5 / - / -	29 / - / -	40.6 / - / -
OME-6	650	5755	80	21.8 / - / -	35 / - / -	40.6 / - / -
OME-7	1000	8855	120	17.4 / - / -	31 / - / -	72.2 / - / -
OME-8	1500	13280	120	25.3 / - / -	36 / - / -	72.2 / - / -

- The running current is measured at max torque.

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

Model	Torque		Motor Power W	Running Current	Running Time	Lock Current
	Nm	in-lb		DC / 60 / 50 Hz Amp	DC / 60 / 50 Hz Sec / 90°	DC / 60 / 50 Hz Amp
OME-1	35	310	10	1.5 / 1.9 / 1.9	11 / 14 / 14	2.6 / 2.5 / 2.5
OME-A / AM	50	445	10	1.3 / 1.6 / 1.6	21 / 24 / 25	2.6 / 2.5 / 2.5
OME-2	90	800	40	1.9 / 3.4 / 3.4	19 / 15 / 15	14.1 / 10.4 / 10.4
OME-3	150	1330	40	2.7 / 3.6 / 3.9	30 / 24 / 24	14.1 / 10.4 / 10.4
OME-4	400	3540	80	7.4 / 10.7 / 10.3	22 / 20 / 22	36.4 / 27.3 / 27.4
OME-5	500	4430	80	8.1 / 10.5 / 10.4	30 / 27 / 28	36.4 / 27.3 / 27.4
OME-6	650	5755	80	12.5 / 10.3 / 10.3	42 / 34 / 34	36.4 / 27.3 / 27.4
OME-7	1000	8855	120	5.4 / 8.0 / 7.8	50 / 47 / 48	36.4 / 27.3 / 27.4
OME-8	1500	13280	120	7.9 / 11.0 / 10.9	54 / 53 / 56	36.4 / 27.3 / 27.4

- The running current is measured at max torque.

# Explosion-proof Quarter-turn Electric Valve Actuator Electrical Data

## 1.3 24VAC/DC, Modulating Control, 75% duty cycle

Model	Torque		Motor Power W	Running Current DC / 60 / 50 Hz	Running Time DC / 60 / 50 Hz	Lock Current DC / 60 / 50 Hz
	Nm	in-lb		Amp	Sec / 90°	Amp
OME-1	35	310	10	1.3 / 1.9 / 1.9	18 / 12 / 13	- *
OME-A / AM	50	445	10	1.3 / 1.9 / 1.8	35 / 23 / 24	- *
OME-2	90	800	40	1.9 / 3.4 / 3.4	19 / 15 / 15	14.1 / 10.4 / 10.4
OME-3	150	1330	40	2.7 / 3.6 / 3.9	30 / 24 / 24	14.1 / 10.4 / 10.4
OME-4	400	3540	80	7.4 / 10.7 / 10.3	22 / 20 / 22	36.4 / 27.3 / 27.4
OME-5	500	4430	80	8.1 / 10.5 / 10.4	30 / 27 / 28	36.4 / 27.3 / 27.4
OME-6	650	5755	80	12.5 / 10.3 / 10.3	42 / 34 / 34	36.4 / 27.3 / 27.4
OME-7	1000	8855	120	5.4 / 8.0 / 7.8	50 / 47 / 48	36.4 / 27.3 / 27.4
OME-8	1500	13280	120	7.9 / 11.0 / 10.9	54 / 53 / 56	36.4 / 27.3 / 27.4

- The running current is measured at max torque.

\* The start current of OME-1, OME-A, OME-AM is soft start mode, the start current is lower than running current.

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

Model	Torque		Motor Power W	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Lock Current 60 / 50 Hz
	Nm	in-lb		Amp	Sec / 90°	Amp
OME-1	35	310	10	0.6 / 0.6	12 / 12	2.5 / 2.3
OME-A / AM	50	445	10	0.5 / 0.5	21 / 21	2.5 / 2.3
OME-2	90	800	40	0.5 / 0.5	16 / 16	3.6 / 3.7
OME-3	150	1330	40	0.6 / 0.6	26 / 25	3.6 / 3.7
OME-4	400	3540	80	3.7 / 3.8	15 / 15	12.7 / 11.7
OME-5	500	4430	80	3.6 / 3.6	21 / 20	12.7 / 11.7
OME-6	650	5755	80	4.8 / 5.2	29 / 27	12.7 / 11.7
OME-7	1000	8855	120	2.3 / 2.5	35 / 35	12.7 / 11.7
OME-8	1500	13280	120	3.6 / 3.3	42 / 41	12.7 / 11.7

- The running current is measured at max torque.

# Explosion-proof Quarter-turn Electric Valve Actuator Electrical Data

## 1.5 110 - 120VAC, Modulating Control, 75% duty cycle

Model	Torque		Motor Power W	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Lock Current 60 / 50 Hz
	Nm	in-lb		Amp	Sec / 90°	Amp
OME-1	35	310	10	0.6 / 0.6	18 / 17	3.0 / 3.0
OME-A / AM	50	445	10	0.6 / 0.6	33 / 33	3.0 / 3.0
OME-2	90	800	40	0.5 / 0.5	16 / 15	3.6 / 3.7
OME-3	150	1330	40	0.6 / 0.6	26 / 25	3.6 / 3.7
OME-4	400	3540	80	3.7 / 3.8	15 / 15	12.7 / 11.7
OME-5	500	4430	80	3.6 / 3.6	21 / 20	12.7 / 11.7
OME-6	650	5755	80	4.8 / 5.2	29 / 27	12.7 / 11.7
OME-7	1000	8855	120	2.3 / 2.5	35 / 35	12.7 / 11.7
OME-8	1500	13280	120	3.6 / 3.3	42 / 41	12.7 / 11.7

- The running current is measured at max torque.

## 1.6 110 - 120VAC, Floating Control, 30% duty cycle

Model	Torque		Motor Power W	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Lock Current 60 / 50 Hz
	Nm	in-lb		Amp	Sec / 90°	Amp
OME-1	35	310	10	0.7 / 0.8	11 / 14	0.7 / 0.7
OME-A / AM	50	445	10	0.7 / 0.8	21 / 27	0.7 / 0.8
OME-2	90	800	40	0.9 / 1.2	18 / 22	1.4 / 1.5
OME-3	150	1330	40	0.9 / 1.2	28 / 34	1.4 / 1.5
OME-4	400	3540	80	2.1 / 2.3	20 / 25	5.5 / 6.0
OME-5	500	4430	80	2.2 / 2.3	27 / 33	5.5 / 6.0
OME-6	650	5755	80	2.7 / 2.4	36 / 42	5.5 / 6.0
OME-7	1000	8855	120	2.0 / 2.2	52 / 61	5.5 / 6.0
OME-8	1500	13280	120	2.4 / 2.3	54 / 64	5.5 / 6.0

- The running current is measured at max torque.

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## 1.7 110 - 120VAC, Modulating Control, 30% duty cycle

Model	Torque		Motor Power W	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Lock Current 60 / 50 Hz
	Nm	in-lb		Amp	Sec / 90°	Amp
OME-2	90	800	40	0.9 / 1.2	18 / 22	1.4 / 1.5
OME-3	150	1330	40	0.9 / 1.2	28 / 34	1.4 / 1.5
OME-4	400	3540	80	2.1 / 2.3	20 / 25	5.5 / 6.0
OME-5	500	4430	80	2.2 / 2.3	27 / 33	5.5 / 6.0
OME-6	650	5755	80	2.7 / 2.4	36 / 42	5.5 / 6.0
OME-7	1000	8855	120	2.0 / 2.2	52 / 61	5.5 / 6.0
OME-8	1500	13280	120	2.4 / 2.3	54 / 64	5.5 / 6.0

- The running current is measured at max torque.

## 1.8 220 - 240VAC, Floating Control, 75% Duty cycle

Model	Torque		Motor Power W	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Lock Current 60 / 50 Hz
	Nm	in-lb		Amp	Sec / 90°	Amp
OME-1	35	310	10	0.4 / 0.4	11 / 11	0.6 / 0.6
OME-A / AM	50	445	10	0.3 / 0.3	20 / 20	0.6 / 0.6
OME-2	90	800	40	0.3 / 0.3	25 / 24	2.7 / 2.5
OME-3	150	1330	40	0.3 / 0.3	25 / 24	2.7 / 2.5
OME-4	400	3540	80	2.1 / 2.2	14 / 14	7.0 / 7.7
OME-5	500	4430	80	1.9 / 1.9	19 / 19	7.0 / 7.7
OME-6	650	5755	80	2.0 / 2.3	24 / 25	7.03 / 7.7
OME-7	1000	8855	120	1.3 / 1.4	35 / 34	7.0 / 7.7
OME-8	1500	13280	120	1.9 / 2.0	42 / 40	7.0 / 7.7

- The running current is measured at max torque.

# Explosion-proof Quarter-turn Electric Valve Actuator Electrical Data

## 1.9 220 - 240VAC, Modulating Control, 75% Duty cycle

Model	Torque		Motor Power W	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Lock Current 60 / 50 Hz
	Nm	in-lb		Amp	Sec / 90°	Amp
OME-1	35	310	10	0.4 / 0.4	18 / 18	2.0 / 2.0
OME-A / AM	50	445	10	0.4 / 0.4	30 / 30	2.0 / 2.0
OME-2	90	800	40	0.3 / 0.3	16 / 15	2.7 / 2.5
OME-3	150	1330	40	0.3 / 0.3	25 / 24	2.7 / 2.5
OME-4	400	3540	80	2.1 / 2.2	14 / 14	7.0 / 7.7
OME-5	500	4430	80	1.9 / 1.9	19 / 19	7.0 / 7.7
OME-6	650	5755	80	2.0 / 2.3	24 / 25	7.03 / 7.7
OME-7	1000	8855	120	1.3 / 1.4	35 / 34	7.0 / 7.7
OME-8	1500	13280	120	1.9 / 2.0	42 / 40	7.0 / 7.7

- The running current is measured at max torque.

## 1.10 220 - 240VAC, Floating Control, 30% Duty cycle

Model	Torque		Motor Power W	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Lock Current 60 / 50 Hz
	Nm	in-lb		Amp	Sec / 90°	Amp
OME-1	35	310	10	0.3 / 0.3	11 / 13	0.3 / 0.3
OME-A / AM	50	445	10	0.3 / 0.3	20 / 25	0.3 / 0.3
OME-2	90	800	40	0.4 / 0.5	18 / 22	0.7 / 0.8
OME-3	150	1330	40	0.4 / 0.5	28 / 34	0.7 / 0.8
OME-4	400	3540	80	0.9 / 1.3	20 / 24	2.8 / 3.0
OME-5	500	4430	80	1.1 / 1.3	27 / 33	2.8 / 3.0
OME-6	650	5755	80	1.1 / 1.3	33 / 41	2.8 / 3.0
OME-7	1000	8855	120	0.9 / 1.2	52 / 62	2.8 / 3.0
OME-8	1500	13280	120	1.1 / 1.3	54 / 64	2.8 / 3.0

- The running current is measured at max torque.

# Explosion-proof Quarter-turn Electric Valve Actuator Electrical Data

## 1.11 220 - 240VAC, Modulating Control, 30% Duty cycle

Model	Torque		Motor Power W	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Lock Current 60 / 50 Hz
	Nm	in-lb		Amp	Sec / 90°	Amp
OME-2	90	800	40	0.4 / 0.5	18 / 22	0.7 / 0.8
OME-3	150	1330	40	0.4 / 0.5	28 / 34	0.7 / 0.8
OME-4	400	3540	80	0.9 / 1.3	20 / 24	2.8 / 3.0
OME-5	500	4430	80	1.1 / 1.3	27 / 33	2.8 / 3.0
OME-6	650	5755	80	1.1 / 1.3	33 / 41	2.8 / 3.0
OME-7	1000	8855	120	0.9 / 1.2	52 / 62	2.8 / 3.0
OME-8	1500	13280	120	1.1 / 1.3	54 / 64	2.8 / 3.0

- The running current is measured at max torque.





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