

OM

SERIES

Quarter-turn
Electric Valve Actuators
(100V, 200V)

SUNYEH

Electrical Data



SUN YEH ELECTRICAL IND. CO., LTD.

SY01-Ga01A2-EN

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Quarter-turn Electric Valve Actuators (100V, 200V) Electrical Data

1. OM-1 to OM-9, 1 PH, Class A, B, C

1.1 100VAC, Floating Control, Class A, B

Model	Torque		Motor Power	Duty Performance		Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz	Lock Current 60 / 50 Hz
	Nm	in-lb	W	Cycles / hour	Starts / hour	Amp	Sec / 90°	Amp	Amp
OM-2	90	800	40	15	120	1.8 / 1.6	16 / 19	5 / 5	2.3 / 2.5
OM-3	150	1330	40	10	60	1.7 / 1.5	25 / 30	5 / 5	2.3 / 2.5
OM-H	300	2655	60	10	60	2.0 / 2.1	24 / 28	7 / 7	3.9 / 4.2
OM-4	400	3540	80	10	60	2.2 / 3.0	19 / 22	8 / 8	4.9 / 5.2
OM-5	500	4430	80	10	60	2.2 / 2.9	25 / 30	8 / 8	4.9 / 5.2
OM-6	650	5755	80	10	60	2.2 / 2.9	31 / 37	8 / 9	4.9 / 5.2
OM-7	1050	9300	120	5	30	2.6 / 3.3	51 / 60	13 / 13	7.2 / 7.7
OM-8	1500	13280	120	5	30	3.1 / 3.3	53 / 62	12 / 12	7.2 / 7.7
OM-9	2000	17710	180	5	30	3.8 / 3.9	59 / 71	22 / 22	13.6 / 14.8

- The running current is measured at max torque.

1.2 100VAC, Floating Control, Class A+, B+

Model	Torque		Motor Power	Duty Performance		Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz	Lock Current DC
	Nm	in-lb	W	Cycles / hour	Starts / hour	Amp	Sec / 90°	Amp	Amp
OM-1	35	310	10	30	240	0.6 / 0.6	15 / 15	3 / 3	1.8
OM-A / AM	50	445	10	30	240	0.5 / 0.5	23 / 24	3 / 3	1.8
OM-2	90	800	40	30	240	0.7 / 0.7	15 / 15	5 / 5	4.8
OM-3	150	1330	40	20	120	0.7 / 0.7	23 / 22	5 / 5	4.8
OM-H	300	2655	60	20	120	1.1 / 1.2	21 / 21	6 / 6	5.4
OM-4	400	3540	80	20	120	2.6 / 2.8	17 / 17	12 / 13	14.3
OM-5	500	4430	80	20	120	2.2 / 2.5	22 / 23	12 / 12	14.3
OM-6	650	5755	80	20	120	2.1 / 2.2	28 / 28	12 / 12	14.3
OM-7	1050	9300	120	10	60	2.5 / 2.5	42 / 41	12 / 13	15.9
OM-8	1500	13280	120	10	60	3.1 / 3.3	46 / 46	12 / 13	15.9
OM-9	2000	17710	180	10	60	3.4 / 3.4	70 / 68	13 / 13	16.6

- The running current is measured at max torque.

Quarter-turn Electric Valve Actuators (100V, 200V) Electrical Data

1.3 100VAC, Modulating Control, Class C

Model	Torque		Motor Power W	Duty Performance		Running Current 60 / 50 Hz Amp	Running Time 60 / 50 Hz Sec / 90°	Start Current 60 / 50 Hz Amp	Lock Current DC Amp
	Nm	in-lb		Starts / hour					
OM-1	35	310	10	1200		0.7 / 0.7	14 / 14	- *	1.8
OM-A / AM	50	445	10	1200		0.6 / 0.5	25 / 24	- *	1.8
OM-2	90	800	40	1200		0.8 / 0.8	15 / 15	5 / 5	4.8
OM-3	150	1330	40	600		0.7 / 0.7	23 / 22	5 / 5	4.8
OM-H	300	2655	60	600		1.1 / 1.2	23 / 22	6 / 6	5.4
OM-4	400	3540	80	600		2.1 / 2.3	16 / 16	13 / 13	14.3
OM-5	500	4430	80	600		2.2 / 2.5	23 / 22	12 / 12	14.3
OM-6	650	5755	80	600		2.1 / 2.2	28 / 28	12 / 13	14.3
OM-7	1050	9300	120	300		2.5 / 2.5	42 / 41	12 / 13	15.9
OM-8	1500	13280	120	300		3.1 / 3.2	47 / 45	13 / 13	15.9
OM-9	2000	17710	180	300		3.3 / 3.3	70 / 67	14 / 13	16.6

● The running current is measured at max torque.

* The start current of SY-H215101 is soft start mode, the start current is lower than running current.

1.4 200VAC, Floating Control, Class A, B

Model	Torque		Motor Power W	Duty Performance		Running Current 60 / 50 Hz Amp	Running Time 60 / 50 Hz Sec / 90°	Start Current 60 / 50 Hz Amp	Lock Current 60 / 50 Hz Amp
	Nm	in-lb		Cycles / hour	Starts / hour				
OM-2	90	800	40	15	120	1.0 / 0.8	16 / 19	2 / 3	1.2 / 1.2
OM-3	150	1330	40	10	60	1.0 / 0.8	25 / 30	3 / 3	1.2 / 1.2
OM-H	300	2655	60	10	60	1.1 / 0.8	24 / 28	3 / 3	1.5 / 1.5
OM-4	400	3540	80	10	60	1.7 / 1.2	18 / 22	4 / 4	2.4 / 2.4
OM-5	500	4430	80	10	60	1.7 / 1.3	26 / 30	4 / 4	2.4 / 2.4
OM-6	650	5755	80	10	60	1.6 / 1.2	31 / 37	4 / 4	2.4 / 2.4
OM-7	1050	9300	120	5	30	1.5 / 1.5	51 / 60	6 / 6	3.5 / 3.7
OM-8	1500	13280	120	5	30	1.7 / 1.6	51 / 61	6 / 6	3.5 / 3.7
OM-9	2000	17710	180	5	30	2.1 / 1.5	58 / 70	10 / 11	6.0 / 6.7

● The running current is measured at max torque.

Quarter-turn Electric Valve Actuators (100V, 200V) Electrical Data

1.5 200VAC, Floating Control, Class A+, B+

Model	Torque		Motor Power W	Duty Performance		Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz	Lock Current DC
	Nm	in-lb		Cycles / hour	Starts / hour	Amp	Sec / 90°	Amp	Amp
OM-1	35	310	10	30	240	0.4 / 0.4	15 / 15	2 / 2	1.8
OM-A / AM	50	445	10	30	240	0.3 / 0.3	24 / 24	2 / 2	1.8
OM-2	90	800	40	30	240	0.4 / 0.5	14 / 14	3 / 3	2.2
OM-3	150	1330	40	20	120	0.4 / 0.4	22 / 22	3 / 3	2.2
OM-H	300	2655	60	20	120	0.5 / 0.6	22 / 21	3 / 3	3.0
OM-4	400	3540	80	20	120	1.5 / 1.6	15 / 15	8 / 8	7.3
OM-5	500	4430	80	20	120	1.6 / 1.7	21 / 21	8 / 8	7.3
OM-6	650	5755	80	20	120	1.2 / 1.2	26 / 25	8 / 8	7.3
OM-7	1050	9300	120	10	60	1.3 / 1.3	43 / 42	7 / 7	7.4
OM-8	1500	13280	120	10	60	1.6 / 1.7	48 / 48	7 / 7	7.4
OM-9	2000	17710	180	10	60	1.5 / 1.6	60 / 58	9 / 9	10.1

- The running current is measured at max torque.

1.6 200VAC, Modulating Control, Class C

Model	Torque		Motor Power W	Duty Performance Starts / hour	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz	Lock Current DC
	Nm	in-lb			Amp	Sec / 90°	Amp	Amp
OM-1	35	310	10	1200	0.4 / 0.4	16 / 14	- *	1.8
OM-A / AM	50	445	10	1200	0.3 / 0.3	26 / 26	- *	1.8
OM-2	90	800	40	1200	0.5 / 0.5	15 / 15	3 / 3	2.2
OM-3	150	1330	40	600	0.4 / 0.4	23 / 22	3 / 3	2.2
OM-H	300	2655	60	600	0.6 / 0.6	22 / 22	3 / 3	3.0
OM-4	400	3540	80	600	1.4 / 1.5	15 / 15	8 / 8	7.3
OM-5	500	4430	80	600	1.6 / 1.6	21 / 20	8 / 8	7.3
OM-6	650	5755	80	600	1.4 / 1.5	25 / 25	8 / 8	7.3
OM-7	1050	9300	120	300	1.3 / 1.4	45 / 44	8 / 8	7.4
OM-8	1500	13280	120	300	1.6 / 1.7	48 / 47	8 / 7	7.4
OM-9	2000	17710	180	300	1.5 / 1.5	58 / 56	9 / 9	10.1

- The running current is measured at max torque.
- ※ Class A, Class B and Class C actuators, complying with EN ISO 22153 Standard.
- ※ Class A+ and Class B+ actuators with extended duty cycle controller.
- * The start current of SY-H215101 is soft start mode, the start current is lower than running current.



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