

OM

SERIES

Quarter-turn

Electric Valve Actuators

(3PH 200, 220, 400, 440VAC)

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 blue arrow pointing to the right.

Electrical Data



SUNYEH ELECTRICAL IND. CO., LTD.

SY01-Gb02A1-EN

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Quarter-turn Electric Valve Actuators (3PH 200, 220, 400, 440VAC) Electrical Data

1. OM-2 to 9, 3PH, 30% duty cycle

1.1 200VAC, Floating Control, 30% duty cycle

Model	Torque		Motor Power W	Power Consumption DC / 60 / 50 Hz W	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						
OM-2	90	800	40	90 / 90	0.4 / 0.5	17 / 19	1.2 / 1.1	0.8 / 0.9
OM-3	150	1330	40	90 / 100	0.4 / 0.5	26 / 30	1.1 / 1.1	0.8 / 0.9
OM-H	300	2655	60	150 / 140	0.8 / 0.9	24 / 28	2.6 / 2.6	1.9 / 2.0
OM-4	400	3540	80	210 / 210	0.8 / 0.9	21 / 24	2.2 / 2.3	1.7 / 1.8
OM-5	500	4430	80	210 / 210	0.8 / 0.9	28 / 32	2.2 / 2.4	1.7 / 1.8
OM-6	650	5755	80	240 / 220	0.9 / 0.9	36 / 41	2.2 / 2.4	1.7 / 1.8
OM-7	1050	9300	120	230 / 220	1.0 / 1.2	54 / 63	3.6 / 3.7	3.0 / 3.2
OM-8	1500	13280	120	280 / 250	1.1 / 1.2	56 / 65	3.8 / 3.9	3.0 / 3.2
OM-9	2000	17710	180	280 / 250	1.1 / 1.2	63 / 74	4.8 / 4.9	3.7 / 3.9

- The running current is measured at max torque.

1.2 220VAC, Floating Control, 30% duty cycle

Model	Torque		Motor Power W	Power Consumption DC / 60 / 50 Hz W	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						
OM-2	90	800	40	100 / 120	0.5 / 0.6	16 / 19	1.2 / 1.2	0.8 / 0.9
OM-3	150	1330	40	110 / 120	0.5 / 0.6	25 / 30	1.2 / 1.2	0.8 / 0.9
OM-H	300	2655	60	160 / 150	0.9 / 1.0	23 / 27	2.9 / 2.9	1.9 / 2.0
OM-4	400	3540	80	210 / 200	0.8 / 0.9	20 / 24	2.5 / 2.6	1.7 / 1.8
OM-5	500	4430	80	220 / 210	0.8 / 0.9	27 / 31	2.5 / 2.6	1.7 / 1.8
OM-6	650	5755	80	220 / 220	0.8 / 0.9	34 / 40	2.5 / 2.6	1.7 / 1.8
OM-7	1050	9300	120	240 / 240	1.1 / 1.4	53 / 63	4.0 / 4.3	3.0 / 3.2
OM-8	1500	13280	120	260 / 280	1.1 / 1.4	55 / 65	4.1 / 4.3	3.0 / 3.2
OM-9	2000	17710	180	280 / 270	1.1 / 1.3	62 / 73	5.2 / 5.1	3.7 / 3.9

- The running current is measured at max torque.

Quarter-turn Electric Valve Actuators (3PH 200, 220, 400, 440VAC) Electrical Data

1.3 400VAC, Floating Control, 30% duty cycle

Model	Torque		Motor Power	Power Consumption	Running Current	Running Time	Start Current	Lock Current
	Nm	in-lb		DC / 60 / 50 Hz	60 / 50 Hz	60 / 50 Hz	60 / 50 Hz	60 / 50 Hz
			W	W	Amp	Sec / 90°	Amp	Amp
OM-2	90	800	40	110 / 140	0.3 / 0.4	16 / 19	0.8 / 0.8	0.6 / 0.6
OM-3	150	1330	40	110 / 140	0.3 / 0.4	25 / 29	0.8 / 0.8	0.6 / 0.6
OM-H	300	2655	60	120 / 130	0.4 / 0.5	23 / 27	1.7 / 1.6	1.1 / 1.2
OM-4	400	3540	80	210 / 210	0.5 / 0.6	19 / 23	1.9 / 1.9	1.2 / 1.3
OM-5	500	4430	80	200 / 200	0.5 / 0.6	25 / 30	1.8 / 1.9	1.2 / 1.3
OM-6	650	5755	80	220 / 220	0.5 / 0.6	32 / 38	1.7 / 1.8	1.2 / 1.3
OM-7	1050	9300	120	230 / 250	0.6 / 0.8	52 / 63	2.6 / 2.7	1.9 / 2.0
OM-8	1500	13280	120	260 / 290	0.6 / 0.8	55 / 64	2.6 / 2.8	1.9 / 2.0
OM-9	2000	17710	180	280 / 270	0.7 / 0.8	61 / 72	3.4 / 3.5	2.5 / 2.7

- The running current is measured at max torque.

1.4 440VAC, Floating Control, 30% duty cycle

Model	Torque		Motor Power	Power Consumption	Running Current	Running Time	Start Current	Lock Current
	Nm	in-lb		DC / 60 / 50 Hz	60 / 50 Hz	60 / 50 Hz	60 / 50 Hz	60 / 50 Hz
			W	W	Amp	Sec / 90°	Amp	Amp
OM-2	90	800	40	100 / 90	0.2 / 0.2	17 / 20	0.5 / 0.5	0.4 / 0.4
OM-3	150	1330	40	110 / 100	0.2 / 0.2	26 / 31	0.5 / 0.5	0.4 / 0.4
OM-H	300	2655	60	180 / 140	0.4 / 0.4	24 / 28	1.4 / 1.4	0.9 / 1.0
OM-4	400	3540	80	220 / 220	0.5 / 0.6	19 / 23	1.6 / 1.8	1.1 / 1.2
OM-5	500	4430	80	210 / 220	0.5 / 0.6	25 / 30	1.7 / 1.8	1.1 / 1.2
OM-6	650	5755	80	220 / 220	0.5 / 0.6	32 / 37	1.7 / 1.8	1.1 / 1.2
OM-7	1050	9300	120	270 / 230	0.5 / 0.5	53 / 62	1.6 / 1.7	1.2 / 1.3
OM-8	1500	13280	120	300 / 260	0.5 / 0.5	59 / 67	1.6 / 1.6	1.2 / 1.3
OM-9	2000	17710	180	280 / 260	0.6 / 0.7	61 / 72	2.9 / 3.2	2.2 / 2.3

- The running current is measured at max torque.

2. OM-2 to 9, 3PH, 30% duty cycle, Local Control Unit

2.1 200VAC, Floating or Modulating Control, 30% duty cycle

Model	Torque		Motor Power W	Power Consumption DC / 60 / 50 Hz W	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						
OM-2	90	800	40	110 / 120	0.5 / 0.6	17 / 19	1.2 / 1.2	0.8 / 0.9
OM-3	150	1330	40	110 / 120	0.5 / 0.6	26 / 30	1.2 / 1.2	0.8 / 0.9
OM-H	300	2655	60	140 / 150	0.8 / 1.0	23 / 28	2.7 / 2.8	1.9 / 2.0
OM-4	400	3540	80	200 / 200	0.8 / 0.9	20 / 24	2.4 / 2.4	1.7 / 1.8
OM-5	500	4430	80	200 / 210	0.8 / 0.9	27 / 32	2.3 / 2.5	1.7 / 1.8
OM-6	650	5755	80	210 / 200	0.8 / 0.9	35 / 41	2.3 / 2.4	1.7 / 1.8
OM-7	1050	9300	120	220 / 230	1.0 / 1.2	52 / 62	3.6 / 3.8	3.0 / 3.2
OM-8	1500	13280	120	290 / 260	1.1 / 1.2	54 / 63	4.0 / 4.0	3.0 / 3.2
OM-9	2000	17710	180	270 / 250	1.1 / 1.2	63 / 74	4.9 / 4.8	3.7 / 3.9

- The running current is measured at max torque.

2.2 220VAC, Floating or Modulating Control, 30% duty cycle

Model	Torque		Motor Power W	Power Consumption DC / 60 / 50 Hz W	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						
OM-2	90	800	40	110 / 110	0.5 / 0.6	16 / 19	1.3 / 1.3	0.8 / 0.9
OM-3	150	1330	40	110 / 120	0.5 / 0.6	25 / 30	1.3 / 1.4	0.8 / 0.9
OM-H	300	2655	60	160 / 160	0.9 / 1.1	23 / 27	3.0 / 3.1	1.9 / 2.0
OM-4	400	3540	80	200 / 220	0.8 / 1.0	20 / 23	2.6 / 2.8	1.7 / 1.8
OM-5	500	4430	80	210 / 220	0.8 / 1.0	26 / 31	2.6 / 2.8	1.7 / 1.8
OM-6	650	5755	80	210 / 230	0.8 / 1.0	34 / 40	2.6 / 2.8	1.7 / 1.8
OM-7	1050	9300	120	250 / 240	1.1 / 1.3	51 / 61	4.0 / 4.3	3.0 / 3.2
OM-8	1500	13280	120	310 / 290	1.2 / 1.4	53 / 62	4.2 / 4.3	3.0 / 3.2
OM-9	2000	17710	180	290 / 260	1.2 / 1.3	62 / 73	5.3 / 5.4	3.7 / 3.9

- The running current is measured at max torque.

2.3 400VAC, Floating or Modulating Control, 30% duty cycle

Model	Torque		Motor Power W	Power Consumption DC / 60 / 50 Hz W	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						
OM-2	90	800	40	110 / 130	0.3 / 0.4	16 / 19	0.8 / 1.0	0.6 / 0.6
OM-3	150	1330	40	120 / 140	0.3 / 0.4	25 / 30	0.9 / 0.9	0.6 / 0.6
OM-H	300	2655	60	160 / 160	0.5 / 0.6	23 / 27	1.7 / 1.6	1.1 / 1.2
OM-4	400	3540	80	220 / 230	0.5 / 0.6	20 / 23	1.7 / 2.0	1.2 / 1.3
OM-5	500	4430	80	220 / 220	0.5 / 0.6	26 / 30	1.7 / 2.0	1.2 / 1.3
OM-6	650	5755	80	230 / 230	0.5 / 0.6	34 / 39	1.8 / 2.0	1.2 / 1.3
OM-7	1050	9300	120	230 / 250	0.6 / 0.8	51 / 60	2.6 / 2.8	1.9 / 2.0
OM-8	1500	13280	120	330 / 300	0.7 / 0.8	52 / 61	2.7 / 2.8	1.9 / 2.0
OM-9	2000	17710	180	290 / 270	0.7 / 0.8	62 / 73	3.4 / 3.7	2.5 / 2.7

- The running current is measured at max torque.

2.4 440VAC, Floating or Modulating Control, 30% duty cycle

Model	Torque		Motor Power W	Power Consumption DC / 60 / 50 Hz W	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						
OM-2	90	800	40	110 / 140	0.2 / 0.3	17 / 19	0.6 / 0.6	0.4 / 0.4
OM-3	150	1330	40	110 / 140	0.2 / 0.3	27 / 31	0.6 / 0.6	0.4 / 0.4
OM-H	300	2655	60	180 / 180	0.4 / 0.5	24 / 28	1.4 / 1.5	0.9 / 1.0
OM-4	400	3540	80	260 / 240	0.5 / 0.6	20 / 23	1.7 / 1.9	1.1 / 1.2
OM-5	500	4430	80	240 / 230	0.5 / 0.6	26 / 30	1.8 / 1.8	1.1 / 1.2
OM-6	650	5755	80	240 / 240	0.5 / 0.6	33 / 39	1.8 / 1.8	1.1 / 1.2
OM-7	1050	9300	120	270 / 230	0.5 / 0.5	53 / 62	1.6 / 1.7	1.2 / 1.3
OM-8	1500	13280	120	300 / 260	0.5 / 0.5	55 / 64	1.6 / 1.7	1.2 / 1.3
OM-9	2000	17710	180	270 / 260	0.6 / 0.7	61 / 73	3.1 / 3.2	2.2 / 2.3

- The running current is measured at max torque.



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