OM

SERIES

Quarter-turn

Electric Valve Actuators

SUNYEH

Electrical Data

SUN YEH ELECTRICAL IND. CO.,LTD.

Content

1. OM-1 to 13, 1PH, 30% & 75% duty cycle

1.1 12VAC/DC, Floating Control, 75% duty cycle

Model	Torque		Motor Power	Power Consumption DC / 60 / 50 Hz	Running Current DC / 60 / 50 Hz	Running Time DC / 60 / 50 Hz	Start Current DC / 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Amp
OM-1	35	310	10	30 / 30 / 30	2.1 / 2.4 / 2.3	22 / 22 / 21	3 / 4 / 4
OM-A / AM	50	445	10	30 / - / -	2.5 / - / -	34 / - / -	3 / - / -
OM-2	90	800	40	60 / - / -	4.5 / - / -	15 / - / -	12 / - / -
OM-3	150	1330	40	60 / - / -	4.6 / - / -	24 / - / -	8 / - / -
OM-H	300	2655	60	90 / - / -	7.1 / - / -	23 / - / -	21 / - / -
OM-4	400	3540	80	170 / - / -	14.0 / - / -	21 / - / -	22 / - / -
OM-5	500	4430	80	180 / - / -	14.9 / - / -	29 / - / -	27 / - / -
OM-6	650	5755	80	148 / - / -	12.3 / - / -	35 / - / -	18 / - / -
OM-7	1000	8855	120	261 / - / -	21.7 / - / -	31 / - / -	27 / - / -
OM-8	1500	13280	120	308 / - / -	25.6 / - / -	36 / - / -	28 / - / -

- The running current is measured at max torque.

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

Model	Torque		Motor Power	Power Consumption DC / 60 / 50 Hz	Running Current DC / 60 / 50 Hz	Running Time DC / 60 / 50 Hz	Start Current DC / 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Amp
OM-1	35	310	10	40 / 40 / 40	1.4 / 1.6 / 1.6	18 / 18 / 18	2.0 / 8.0 / 8.0
OM-A / AM	50	445	10	40 / 40 / 40	1.4 / 1.6 / 1.6	36 / 37 / 37	2.0 / 8.0 / 8.0
OM-2	90	800	40	70 / 70 / 70	2.8 / 3.4 / 3.4	18 / 18 / 17	10.0 / 11.0 / 12.0
OM-3	150	1330	40	70 / 70 / 70	2.6 / 3.1 / 3.1	27 / 26 / 26	10.0 / 11.0 / 12.0
OM-H	300	2655	60	90 / 100 / 110	3.7 / 5.3 / 5.3	25 / 20 / 20	14.0 / 28.0 / 28.0
OM-4	400	3540	80	190 / 200 / 200	7.7 / 9.4 / 9.4	21 / 20 / 20	20.0 / 30.0 / 30.0
OM-5	500	4430	80	180 / 190 / 190	7.4 / 8.9 / 9.0	28 / 26 / 26	20.0 / 30.0/ 30.0
OM-6	650	5755	80	220 / 240 / 250	9.0 / 11.1 / 11.6	37 / 37 / 39	20.0 / 30.0 / 30.0
OM-7	1000	8855	120	150 / 170 / 170	6.1 / 8.2 / 8.1	52 / 44 / 47	23.0 / 32.0 / 28.0
OM-8	1500	13280	120	214 / 230 / 243	9.0 / 11.1 / 11.6	58 / 55 / 58	20.0 / 30.0 / 31.0

- The running current is measured at max torque.

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

Model	Torque		Motor Power	Power Consumption DC / 60 / 50 Hz	Running Current DC / 60 / 50 Hz	Running Time DC / 60 / 50 Hz	Start Current DC / 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Amp
OM-1	35	310	10	40 / 40 / 40	1.3 / 1.9 / 1.9	18 / 12 / 13	- *
OM-A / AM	50	445	10	40 / 40 / 40	1.3 / 1.9 / 1.8	35 / 23 / 24	- *
OM-F	65	575	60	63 / 56 / 57	2.61 / 2.61 / 2.61	6 / 6 / 6	3.8 / 3.8 / 3.8
OM-2	90	800	40	70 / 70 / 70	2.8 / 3.4 / 3.4	18 / 18 / 17	10.0 / 11.0 / 12.0
OM-G	120	1065	60	106 / 94 / 96	4.4 / 4.4 / 4.4	8 / 8 / 8	4.8 / 4.8 / 4.8
OM-3	150	1330	40	70 / 70 / 70	2.6 / 3.1 / 3.1	27 / 26 / 26	10.0 / 11.0 / 12.0
OM-H	300	2655	60	90 / 110 / 100	3.7 / 5.3 / 5.3	25 / 20 / 20	14.0 / 28.0 / 28.0
OM-4	400	3540	80	190 / 200 / 200	7.7 / 9.4 / 9.4	21 / 20 / 20	20.0 / 30.0 / 30.0
OM-5	500	4430	80	180 / 190 / 190	7.4 / 8.9 / 9.0	28 / 26 / 26	20.0 / 30.0 / 30.0
OM-6	650	5755	80	220 / 240 / 250	9.0 / 11.1 / 11.6	37 / 37 / 39	20.0 / 30.0 / 30.0
OM-7	1000	8855	120	150 / 170 / 170	6.1 / 8.2 / 8.1	52 / 44 / 47	23.0 / 32.0 / 28.0
OM-8	1500	13280	120	216 / 230 / 243	9.0 / 11.1 / 11.6	58 / 55 / 58	20.0 / 30.0 / 31.0

- 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 24 VAC/DC, Floating Control, 30% duty cycle

Model	Torque		Motor Power	Power Consumption DC / 60 / 50 Hz	Running Current DC / 60 / 50 Hz	Running Time DC / 60 / 50 Hz	Start Current DC / 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Amp
OM-F	65	575	60	63 / 55 / 56	2.6 / 2.6 / 2.6	6 / 6 / 6	3.8 / 3.8 / 3.8
OM-J	80	708	5	- / 30 / 30	- / 0.9 / 1	- / 130 / 156	- / 2 / 2
OM-G	120	1065	60	106 / 94 / 94	4.4 / 4.4 / 4.4	8 / 8 / 8	3.8 / 3.8 / 3.8

- The running current is measured at max torque.

1.5 110-120VAC, Floating Control, 75% duty cycle

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Amp
OM-1	35	310	10	50 / 50	0.6 / 0.6	15 / 15	3.0 / 3.0
OM-A / AM	50	445	10	50 / 50	0.6 / 0.6	28 / 28	3.0 / 3.0
OM-2	90	800	40	80 / 80	0.8 / 0.8	19 / 19	9.0 / 9.0
OM-3	150	1330	40	70 / 70	0.7 / 0.7	29 / 28	9.0 / 9.0
OM-H	300	2655	60	110 / 110	1.0 / 1.0	24 / 23	13.0 / 12.0
OM-4	400	3540	80	230 / 230	2.1 / 2.2	24 / 23	17.0 / 17.0
OM-5	500	4430	80	200 / 200	1.9 / 1.9	28 / 28	17.0 / 17.0
OM-6	650	5755	80	210 / 220	2.0 / 2.1	38 / 38	17.0 / 17.0
OM-7	1000	8855	120	200 / 220	2.0 / 2.0	59 / 58	14.0 / 13.0
OM-8	1500	13280	120	300 / 310	2.8 / 2.8	79 / 82	14.0 / 13.0

- The running current is measured at max torque.

1.6 110-120VAC, Modulating Control, 75% duty cycle

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Amp
OM-1	35	310	10	50 / 50	0.6 / 0.6	18 / 17	- *
OM-A / AM	50	445	10	50 / 50	0.6 / 0.6	33 / 33	- *
OM-2	90	800	40	80 / 80	0.8 / 0.8	19 / 19	9.0 / 9.0
OM-3	150	1330	40	70 / 70	0.7 / 0.7	29 / 28	9.0 / 9.0
OM-H	300	2655	60	110 / 110	1.0 / 1.0	24 / 23	13.0 / 12.0
OM-4	400	3540	80	230 / 230	2.1 / 2.2	24 / 23	17.0 / 17.0
OM-5	500	4430	80	200 / 200	1.9 / 1.9	28 / 28	17.0 / 17.0
OM-6	650	5755	80	210 / 220	2.0 / 2.1	38 / 38	17.0 / 17.0
OM-7	1000	8855	120	200 / 220	2.0 / 2.0	59 / 58	14.0 / 13.0
OM-8	1500	13280	120	300 / 310	2.8 / 2.8	79 / 82	14.0/ 13.0

- 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.

1.7 110-120VAC, Floating Control, 30% duty cycle

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Amp
OM-1	35	310	10	90 / 100	0.7 / 0.8	12 / 17	2.0 / 2.0
OM-A / AM	50	445	10	90 / 100	0.7 / 0.8	27 / 37	2.0 / 2.0
OM-F	65	575	60	113 / 102	0.96 / 0.96	6 / 6	2.1 / 2.1
OM-J	80	708	5	40 / 50	0.3 / 0.3	130 / 156	1.0 / 1.0
OM-2	90	800	40	140 / 180	1.2 / 1.7	17 / 20	3.0 / 4.0
BM-2	120	1065	40	150 / 170	1.3 / 1.6	9 / 11	4.0 / 4.0
OM-G	120	1065	60	164 / 156	1.38 / 1.38	8 / 8	3.0 / 3.0
OM-3	150	1330	40	140 / 170	1.2 / 1.7	26 / 31	3.0 / 4.0
OM-H	300	2655	60	220 / 180	1.9 / 1.5	24 / 28	5.0 / 5.0
OM-4	400	3540	80	250 / 280	2.1 / 2.4	19 / 23	7.0 / 7.0
OM-5	500	4430	80	240 / 280	2.0 / 2.4	26 / 31	7.0 / 7.0
OM-6	650	5755	80	290 / 300	2.4 / 2.5	34 / 41	7.0 / 7.0
OM-7	1000	8855	120	380 / 500	4.2 / 6.6	50 / 61	14.0 / 15.0
OM-8	1500	13280	120	400 / 580	4.2 / 6.6	51 / 62	15.0 / 13.0
OM-9	2000	17710	180	360 / 360	3.0 / 3.1	62 / 76	12.0 / 12.0
OM-10	2500	22140	180	380 / 380	3.2 / 3.2	62 / 76	12.0 / 12.0
OM-11	3000	26565	180	430 / 390	3.6 / 3.3	62 / 76	12.0 / 12.0
OM-12	3500	31000	220	450 / 450	3.8 / 3.9	62 / 76	15.0 / 16.0
OM-13	4500	40000	220	450 / 450	3.7 / 3.7	88 / 104	15.0 / 16.0

- The running current is measured at max torque.

1.8 110-120VAC, Modulating Control, 30% duty cycle

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90°	Amp
OM-F	65	575	60	115 / 106	0.97 / 0.97	6 / 6	2.1 / 2.1
OM-2	90	800	40	140 / 180	1.2 / 1.7	17 / 20	3.0 / 4.0
OM-G	120	1065	60	164 / 157	1.39 / 1.39	8 / 8	3.0 / 3.0
OM-3	150	1330	40	140 / 170	1.2 / 1.7	26 / 31	3.0 / 4.0
OM-H	300	2655	60	220 / 180	1.9 / 1.5	24 / 28	5.0 / 5.0
OM-4	400	3540	80	250 / 280	2.1 / 2.4	19 / 23	7.0 / 7.0
OM-5	500	4430	80	240 / 280	2.0 / 2.4	26 / 31	7.0 / 7.0
OM-6	650	5755	80	290 / 300	2.4 / 2.5	34 / 41	7.0 / 7.0
OM-7	1000	8855	120	380 / 500	4.2 / 6.6	50 / 61	14.0 / 15.0
OM-8	1500	13280	120	400 / 580	4.2 / 6.6	51 / 62	15.0 / 13.0

- The running current is measured at max torque.

1.9 220-240VAC, Floating Control, 75% duty cycle

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90°	Amp
OM-1	35	310	10	50 / 50	0.4 / 0.4	15 / 15	2.0 / 2.0
OM-A / AM	50	445	10	50 / 50	0.4 / 0.4	28 / 28	2.0 / 2.0
OM-2	90	800	40	80 / 80	0.4 / 0.4	16 / 16	6.0 / 7.0
OM-3	150	1330	40	80 / 80	0.4 / 0.4	26 / 25	6.0 / 7.0
OM-H	300	2655	60	120 / 130	0.6 / 0.6	23 / 23	10.0 / 9.0
OM-4	400	3540	80	230 / 240	1.1 / 1.1	22 / 22	15.0 / 14.0
OM-5	500	4430	80	210 / 230	1.0 / 1.1	28 / 28	15.0 / 14.0
OM-6	650	5755	80	210 / 230	1.0 / 1.1	35 / 35	15.0 / 14.0
OM-7	1000	8855	120	240 / 260	1.2 / 1.2	59 / 58	10.0 / 10.0
OM-8	1500	13280	120	360 / 360	1.6 / 1.6	79 / 82	10.0 / 10.0

- The running current is measured at max torque.

1.10 220-240VAC, Modulating Control, 75% duty cycle

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Amp
OM-1	35	310	10	50 / 50	0.4 / 0.4	18 / 18	- *
OM-A / AM	50	445	10	50 / 50	0.4 / 0.4	30 / 30	- *
OM-2	90	800	40	80 / 80	0.4 / 0.4	16 / 16	6.0 / 7.0
OM-3	150	1330	40	80 / 80	0.4 / 0.4	26 / 25	6.0 / 7.0
OM-H	300	2655	60	120 / 130	0.6 / 0.6	23 / 23	10.0 / 9.0
OM-4	400	3540	80	230 / 240	1.1 / 1.1	22 / 22	15.0 / 14.0
OM-5	500	4430	80	210 / 230	1.0 / 1.1	28 / 28	15.0 / 14.0
OM-6	650	5755	80	210 / 230	1.0 / 1.1	35 / 35	15.0 / 14.0
OM-7	1000	8855	120	240 / 260	1.2 / 1.2	59 / 58	10.0 / 10.0
OM-8	1500	13280	120	360 / 360	1.6 / 1.6	79 / 82	10.0 / 10.0

- 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.

1.11 220-240VAC, Floating Control, 30% duty cycle

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Amp
OM-1	35	310	10	100 / 100	0.4 / 0.4	15 / 17	3.0 / 2.0
OM-A / AM	50	445	10	100 / 100	0.4 / 0.4	25 / 33	3.0 / 2.0
OM-F	65	575	60	134 / 130	0.56 / 0.56	6 / 6	1.0 / 1.0
OM-2	90	800	40	140 / 180	0.6 / 0.8	17 / 21	2.0 / 2.0
BM-2	120	1065	40	140 / 170	0.6 / 0.8	9 / 11	2.0 / 2.0
OM-G	120	1065	60	167 / 158	0.7 / 0.7	8 / 8	1.2 / 1.2
OM-3	150	1330	40	140 / 170	0.6 / 0.8	26 / 31	2.0 / 2.0
OM-H	300	2655	60	160 / 220	0.7 / 1.1	23 / 28	3.0 / 4.0
OM-4	400	3540	80	270 / 300	1.1 / 1.3	20 / 23	4.0 / 4.0
OM-5	500	4430	80	240 / 290	1.0 / 1.3	26 / 31	4.0 / 4.0
OM-6	650	5755	80	270 / 300	1.1 / 1.3	34 / 40	4.0 / 4.0
OM-7	1000	8855	120	420 / 630	2.0 / 3.3	50 / 61	8.0 / 8.0
OM-8	1500	13280	120	560 / 580	2.0 / 3.3	51 / 62	8.0 / 8.0
OM-9	2000	17710	180	560 / 450	2.5 / 1.8	62 / 76	7.0 / 7.0
OM-10	2500	22140	180	570 / 450	2.6 / 1.9	62 / 76	7.0 / 7.0
OM-11	3000	26565	180	610 / 480	2.7 / 2.0	62 / 76	7.0 / 7.0
OM-12	3500	31000	220	560 / 480	2.5 / 2.0	62 / 76	8.0 / 9.0
OM-13	4500	40000	220	560 / 480	2.5 / 2.0	89 / 104	8.0 / 9.0

- The running current is measured at max torque.

1.12 220-240VAC, Modulating Control, 30% duty cycle

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Amp
OM-F	65	575	60	138 / 129	0.58 / 0.58	6 / 6	1.0 / 1.0
OM-2	90	800	40	140 / 180	0.6 / 0.8	17 / 21	2.0 / 2.0
OM-G	120	1065	60	169 / 162	0.71 / 0.71	8 / 8	1.2 / 1.2
OM-3	150	1330	40	140 / 170	0.6 / 0.8	26 / 31	2.0 / 2.0
OM-H	300	2655	60	160 / 220	0.7 / 1.1	23 / 28	3.0 / 4.0
OM-4	400	3540	80	270 / 300	1.1 / 1.3	20 / 23	4.0 / 4.0
OM-5	500	4430	80	240 / 290	1.0 / 1.3	26 / 31	4.0 / 4.0
OM-6	650	5755	80	270 / 300	1.1 / 1.3	34 / 40	4.0 / 4.0
OM-7	1000	8855	120	420 / 630	2.0 / 3.3	50 / 61	8.0 / 8.0
OM-8	1500	13280	120	560 / 580	2.0 / 3.3	51 / 62	8.0 / 8.0

- The running current is measured at max torque.

2. OM-9 to OM-13, 1PH, 50% duty Cycle

2.1 12VAC/DC, Floating Control, 50% duty cycle

Model	Torque		Motor Power	Power Consumption DC / 60 / 50 Hz	Running Current DC / 60 / 50 Hz	Running Time DC / 60 / 50 Hz	Start Current DC / 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Amp
OM-9	2000	17710	180	314 / - / -	26.1 / - / -	56 / - / -	68 / - / -
OM-10	2500	22140	180	378 / - / -	31.5 / - / -	58 / - / -	67 / - / -

- The running current is measured at max torque.

2.2 24VAC/DC, Floating or Modulating Control, 50% duty cycle

Model	Torque		Motor Power	Power Consumption DC / 60 / 50 Hz	Running Current DC / 60 / 50 Hz	Running Time DC / 60 / 50 Hz	Start Current DC / 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Amp
OM-9	2000	17710	180	220 / 250 / 240	9.0 / 12.3 / 11.8	77 / 66 / 71	17.0 / 31.0 / 29.0
OM-10	2500	22140	180	280 / 300 / 300	11.5 / 14.6 / 14.6	84 / 76 / 86	17.0 / 31.0 / 29.0
OM-11	3000	26565	180	360 / 400 /400	14.9 / 16.8 / 17.2	66 / 68 / 65	39.0 / 48.0 / 52.0
OM-12	3500	31000	220	410 / 450 / 430	16.7 / 19.0 / 19.1	67 / 70 / 68	39.0 / 48.0 / 52.0
OM-13	4500	40000	220	380 / 400 / 420	15.5 / 17.3 / 17.9	99 / 102 / 102	50.0 / 55.0 / 58.0

- The running current is measured at max torque.

2.3 110-120VAC, Floating or Modulating Control, 50% duty cycle

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Amp
OM-9	2000	17710	180	300 / 320	2.7 / 2.9	65 / 75	7.0 / 7.0
OM-10	2500	22140	180	330 / 370	3.0 / 3.3	76 / 83	7.0 / 7.0
OM-11	3000	26565	180	460 / 470	4.3 / 4.4	71 / 75	13.0 / 12.0
OM-12	3500	31000	220	490 / 520	4.5 / 4.8	76 / 77	13.0 / 12.0
OM-13	4500	40000	220	380 / 400	3.6 / 3.8	104 / 104	13.0 / 12.0

- The running current is measured at max torque.

2.4 220-240VAC, Floating or Modulating Control, 50% duty cycle

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Amp
OM-9	2000	17710	180	230 / 260	1.1 / 1.2	72 / 70	12.0 / 12.0
OM-10	2500	22140	180	310 / 310	1.4 / 1.4	85 / 95	12.0 / 12.0
OM-11	3000	26565	180	450 / 500	2.2 / 2.4	61 / 61	21.0 / 24.0
OM-12	3500	31000	220	520 / 550	2.5 / 2.6	65 / 67	21.0 / 24.0
OM-13	4500	40000	220	470 / 500	2.3 / 2.4	90 / 90	21.0 / 24.0

- The running current is measured at max torque.

3. OM-2 to OM-13, 3PH, 30% duty cycle

3.1 220-240VAC, Floating Control, 30% duty cycle

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90°	Amp
OM-F	65	575	60	160 / 170	0.9 / 1.2	6 / 7	3.2 / 3.3
OM-2	90	800	40	110 / 130	0.5 / 0.6	16 / 19	1.3 / 1.4
OM-G	120	1065	60	180 / 190	0.9 / 1.2	8 / 9	3.2 / 3.3
OM-3	150	1330	40	120 / 130	0.5 / 0.6	26 / 31	1.3 / 1.4
OM-H	300	2655	60	150 / 170	0.9 / 1.2	23 / 28	3.2 / 3.4
OM-4	400	3540	80	280 / 300	0.9 / 1.0	21 / 24	2.9 / 3.1
OM-5	500	4430	80	270 / 260	0.9 / 1.0	27 / 31	2.9 / 3.1
OM-6	650	5755	80	270 / 260	0.9 / 1.0	34 / 40	2.9 / 3.1
OM-7	1000	8855	120	260 / 280	1.2 / 1.6	52 / 61	4.8 / 4.7
OM-8	1500	13280	120	290 / 320	1.2 / 1.6	54 / 63	4.8 / 4.7
OM-9	2000	17710	180	260 / 270	1.1 / 1.4	64 / 75	6.5 / 7.2
OM-10	2500	22140	180	310 / 300	1.2 / 1.4	64 / 75	6.2 / 6.5
OM-11	3000	26565	180	340 / 330	1.2 / 1.4	64 / 75	6.5 / 7.2
OM-12	3500	31000	220	390 / 390	1.3 / 1.5	64 / 75	6.5 / 7.2
OM-13	4500	40000	220	340 / 330	1.2 / 1.4	89 / 103	6.4 / 6.8

- The running current is measured at max torque.

3.2 380-415VAC, Floating Control, 30% duty cycle

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90°	Amp
OM-F	65	575	60	160 / 160	0.5 / 0.6	6 / 7	1.8 /1.9
OM-2	90	800	40	120 / 150	0.3 / 0.4	16 / 19	0.8 / 0.9
OM-G	120	1065	60	170 / 180	0.5 / 0.6	8 / 9	1.8 /1.9
OM-3	150	1330	40	120 / 140	0.3 / 0.4	26 / 31	0.8 / 0.9
OM-H	300	2655	60	160 / 160	0.5 / 0.6	23 / 28	1.8 / 1.7
OM-4	400	3540	80	320 / 270	0.5 / 0.6	21 / 24	2.1 / 2.4
OM-5	500	4430	80	260 / 260	0.5 / 0.6	27 / 31	2.1 / 2.4
OM-6	650	5755	80	260 / 280	0.5 / 0.6	34 / 40	2.1 / 2.4
OM-7	1000	8855	120	240 / 250	0.6 / 0.8	52 / 61	2.6 / 2.8
OM-8	1500	13280	120	280 / 300	0.6 / 0.8	54 / 63	2.6 / 2.8
OM-9	2000	17710	180	330 / 320	0.7 / 0.8	64 / 75	3.9 / 4.0
OM-10	2500	22140	180	410 / 390	0.8 / 0.9	64 / 75	3.9 / 4.0
OM-11	3000	26565	180	440 / 430	0.8 / 0.9	64 / 75	3.9 / 4.0
OM-12	3500	31000	220	500 / 450	0.9 / 0.9	64 / 75	3.9 / 4.0
OM-13	4500	40000	220	410 / 400	0.8 / 0.9	89 / 103	3.9 / 4.0

- The running current is measured at max torque.

3.3 440-480VAC, Floating Control, 30% duty cycle

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Amp
OM-F	65	575	60	150 / 150	0.4 / 0.5	6 / 7	1.6 / 1.7
OM-2	90	800	40	120 / 160	0.2 / 0.3	16 / 19	0.6 / 0.6
OM-G	120	1065	60	170 / 170	0.4 / 0.5	8 / 9	1.6 / 1.7
OM-3	150	1330	40	120 / 160	0.2 / 0.3	26 / 31	0.6 / 0.6
OM-H	300	2655	60	150 / 150	0.4 / 0.5	23 / 28	1.5 / 1.6
OM-4	400	3540	80	350 / 340	0.6 / 0.7	21 / 24	1.9 / 2.0
OM-5	500	4430	80	340 / 330	0.6 / 0.7	27 / 31	1.9 / 2.0
OM-6	650	5755	80	340 / 330	0.6 / 0.7	34 / 40	1.9 / 2.0
OM-7	1000	8855	120	210 / 220	0.4 / 0.5	52 / 61	1.6 / 1.7
OM-8	1500	13280	120	250 / 270	0.4 / 0.5	54 / 63	1.6 / 1.7
OM-9	2000	17710	180	290 / 310	0.6 / 0.8	64 / 75	3.6 / 3.9
OM-10	2500	22140	180	370 / 330	0.7 / 0.8	64 / 75	3.6 / 3.9
OM-11	3000	26565	180	390 / 380	0.7 / 0.8	64 / 75	3.6 / 3.9
OM-12	3500	31000	220	420 / 400	0.7 / 0.8	64 / 75	3.6 / 3.9
OM-13	4500	40000	220	400 / 380	0.7 / 0.8	89 / 103	3.6 / 3.9

- The running current is measured at max torque.

3.4 BM-2, 3PH, Floating Control, 30% duty cycle

Voltage	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz
Volt	Nm	in-lb	W	W	Amp	Sec / 90˚	Amp
220	120	1065	40	103 / 101	0.5 / 0.6	9 / 10	1.6 / 1.6
380				103 / 116	0.3 / 0.4	9 / 10	1.0 / 1.0
440				161 / 131	0.3 / 0.3	10 / 11	0.7 / 0.7

- The running current is measured at max torque.

4. OM-2 to OM-13, 3PH, 30% duty cycle, Local Control Unit

4.1 220-240VAC, Floating or Modulating Control, 30% duty cycle

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Amp
OM-2	90	800	40	150 / 150	0.6 / 0.7	16 / 19	1.5 / 1.6
OM-3	150	1330	40	140 / 150	0.6 / 0.7	26 / 31	1.5 / 1.6
OM-H	300	2655	60	170 / 190	0.9 / 1.2	23 / 28	3.2 / 3.6
OM-4	400	3540	80	320 / 290	1.0 / 1.1	21 / 24	2.9 / 3.1
OM-5	500	4430	80	260 / 260	0.9 / 1.1	27 / 31	2.9 / 3.1
OM-6	650	5755	80	260 / 270	0.9 / 1.1	34 / 40	2.9 / 3.1
OM-7	1000	8855	120	300 / 320	1.3 / 1.7	52 / 61	4.7 / 5.2
OM-8	1500	13280	120	360 / 370	1.3 / 1.7	54 / 63	4.7 / 5.2
OM-9	2000	17710	180	350 / 350	1.3 / 1.6	64 / 75	6.2 / 6.8
OM-10	2500	22140	180	380 / 390	1.3 / 1.6	64 / 75	6.2 / 6.8
OM-11	3000	26565	180	430 / 420	1.4 / 1.6	64 / 75	6.2 / 6.8
OM-12	3500	31000	220	480 / 440	1.5 / 1.6	64 / 75	6.2 / 6.8
OM-13	4500	40000	220	440 / 440	1.4 / 1.6	89 / 103	5.8 / 6.0

- The running current is measured at max torque.

4.2 380-415VAC, Floating or Modulating Control, 30% duty cycle

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Amp
OM-2	90	800	40	170 / 150	0.4 / 0.4	16 / 19	1.0 1.1
OM-3	150	1330	40	170 / 150	0.4 / 0.4	26 / 31	1.0 1.1
OM-H	300	2655	60	160 / 180	0.5 / 0.6	23 / 28	1.2 / 1.2
OM-4	400	3540	80	310 / 300	0.6 / 0.7	21 / 24	1.7 / 1.9
OM-5	500	4430	80	310 / 310	0.6 / 0.7	27 / 31	1.7 / 1.9
OM-6	650	5755	80	240 / 280	0.5 / 0.7	34 / 40	1.7 / 1.9
OM-7	1000	8855	120	250 / 260	0.6 / 0.8	52 / 61	2.8 / 2.9
OM-8	1500	13280	120	340 / 320	0.7 / 0.8	54 / 63	2.8 / 2.9
OM-9	2000	17710	180	300 / 320	0.7 / 0.9	64 / 75	3.9 / 4.2
OM-10	2500	22140	180	380 / 360	0.8 / 0.9	64 / 75	3.9 / 4.2
OM-11	3000	26565	180	410 / 390	0.8 / 0.9	64 / 75	3.9 / 4.2
OM-12	3500	31000	220	490 / 470	0.9 / 1.0	64 / 75	3.9 / 4.2
OM-13	4500	40000	220	440 / 430	0.8 / 0.9	89 / 103	3.7 / 4.0

- The running current is measured at max torque.

4.3 440-480VAC, Floating or Modulating Control, 30% duty cycle

Model	Torque		Motor Power	Power Consumption 60 / 50 Hz	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz
	Nm	in-lb	W	W	Amp	Sec / 90˚	Amp
OM-2	90	800	40	180 / 150	0.3 / 0.3	16 / 19	0.8 / 0.8
OM-3	150	1330	40	170 / 150	0.3 / 0.3	26 / 31	0.8 / 0.8
OM-H	300	2655	60	160 / 170	0.4 / 0.5	23 / 28	1.0 / 1.1
OM-4	400	3540	80	330 / 310	0.6 / 0.7	21 / 24	1.9 / 2.0
OM-5	500	4430	80	320 / 300	0.6 / 0.7	27 / 31	1.9 / 2.0
OM-6	650	5755	80	320 / 310	0.6 / 0.7	34 / 40	1.9 / 2.0
OM-7	1000	8855	120	280 / 230	0.5 / 0.5	52 / 61	1.9 / 2.0
OM-8	1500	13280	120	280 / 290	0.5 / 0.6	54 / 63	1.9 / 2.0
OM-9	2000	17710	180	340 / 310	0.7 / 0.8	64 / 75	3.8 / 4.0
OM-10	2500	22140	180	370 / 390	0.7 / 0.9	64 / 75	3.8 / 4.0
OM-11	3000	26565	180	390 / 420	0.7 / 0.9	64 / 75	3.8 / 4.0
OM-12	3500	31000	220	480 / 450	0.8 / 0.9	64 / 75	3.8 / 4.0
OM-13	4500	40000	220	490 / 460	0.8 / 0.9	89 / 103	3.4 / 3.6

- The running current is measured at max torque.

SUNYEH ELECTRICAL IND. CO.,LTD.

No.68, Ln. 854, Sec. 1, Shatian Rd., Dadu Dist.,
Taichung City 432, Taiwan
Tel: +886-4-26985666 Fax: +886-4-26983668
E-mail: service@sunyeh.com

www.sunyeh.com