

OME Series

Explosion-proof
Quarter-turn Electric Valve Actuator

Electrical Data

SUNTORK[®]

FLOW CONTROL VALVE



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

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

Model	Torque		Motor Power	Running Current	Running Time	Lock Current
	N·m	in·lb		DC / 60 / 50 Hz	DC / 60 / 50 Hz	DC / 60 / 50 Hz
OME-1	35	310	10	Amp	Sec / 90°	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

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

Model	Torque		Motor Power	Running Current	Running Time	Lock Current
	N·m	in·lb		DC / 60 / 50 Hz	DC / 60 / 50 Hz	DC / 60 / 50 Hz
OME-1	35	310	10	Amp	Sec / 90°	Amp
OME-1	35	310	10	1.6 / 2.8 / 2.8	15 / 14 / 15	0.4 / 2.8 / 2.8
OME-A / AM	50	445	10	1.2 / 2.5 / 2.4	26 / 23 / 24	0.4 / 2.8 / 2.8
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

1.3 110 & 120VAC, Floating Control, 75% duty cycle

Model	Torque		Motor Power	Running Current	Running Time	Lock Current
	N·m	in·lb		60 / 50 Hz Amp	60 / 50 Hz Sec / 90°	60 / 50 Hz 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

1.4 110 & 120VAC, Modulating Control, 75% duty cycle

Model	Torque		Motor Power	Running Current	Running Time	Lock Current
	N·m	in·lb		60 / 50 Hz Amp	60 / 50 Hz Sec / 90°	60 / 50 Hz Amp
OME-1	35	310	10	0.5 / 0.5	12 / 12	0.7 / 0.7
OME-A / AM	50	445	10	0.6 / 0.5	22 / 22	0.7 / 0.7
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

1.5 110 & 120VAC, Floating Control, 30% duty cycle

Model	Torque		Motor Power	Running Current	Running Time	Lock Current
	N·m	in·lb		60 / 50 Hz Amp	60 / 50 Hz Sec / 90°	60 / 50 Hz 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

1.6 110 & 120VAC, Modulating Control, 30% duty cycle

Model	Torque		Motor Power	Running Current	Running Time	Lock Current
	N·m	in·lb		60 / 50 Hz Amp	60 / 50 Hz Sec / 90°	60 / 50 Hz 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

1.7 220 & 240VAC, Floating Control, 75% Duty cycle

Model	Torque		Motor Power	Running Current	Running Time	Lock Current
	N·m	in·lb		60 / 50 Hz Amp	60 / 50 Hz Sec / 90°	60 / 50 Hz 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

1.8 220 & 240VAC, Modulating Control, 75% Duty cycle

Model	Torque		Motor Power	Running Current	Running Time	Lock Current
	N·m	in·lb		60 / 50 Hz Amp	60 / 50 Hz Sec / 90°	60 / 50 Hz Amp
OME-1	35	310	10	0.3 / 0.3	12 / 12	0.4 / 0.4
OME-A / AM	50	445	10	0.3 / 0.3	22 / 22	0.4 / 0.4
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

1.9 220 & 240VAC, Floating Control, 30% Duty cycle

Model	Torque		Motor Power	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Lock Current 60 / 50 Hz
	N·m	in·lb	Watt	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

1.10 220 & 240VAC, Modulating Control, 30% Duty cycle

Model	Torque		Motor Power	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Lock Current 60 / 50 Hz
	N·m	in·lb	Watt	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