

Series Features:

- OM Series Quarter Turn electric actuators
- 35Nm to 4500Nm Torque Output
- 24VAC/DC, 110VAC or 230VAC typical voltage range
- ISO 5211 for direct mount (see table in document)
- Option of ATEX Approval in OME Series
- Manual override with hand wheel (OM2-OM13)
- IP67 aluminium Nema 4X housing
- Volt-free end of travel confirmation switches x 4
- Thermal over-torque protection
- Thermostatic anti-condensation protection
- CSA Certified for North America/Canadian market



Main Specifications:

Feature:	Detail:
Enclosure	Powder coated aluminium
Motor	Insulation class F built in protection
Duty Cycle	30-35% as standard
Service Condition	-30C to +65C Ambient Temp
Position Indicator	Local dome indicator all series
Gear Train	Anti-high temperature lubricated
Conduit (Cable) Entry	M20 or 1/2" NPT
Working Angle	Standard 0-90 / Optional 91-270
Voltages	AC/DC 24V or 12. AC 110/230V 1Ph

Options:

Function	Description
CPT	4-20ma output for On Off actuator
Modulating	4-20ma or 2-10V input / output
Local Control	Local control unit with open/close status
Torque Switches	Mechanical over torque prevention device
Cover	Marine and stainless steel cover options
ATEX	OME Series for quarter turn ATEX EXD rating
Speed Control	Adjustable speed controller
BUS Comms	Modbus communication option
IP68	IP68 housing option available on some series

Manufacturer:



Overview :

Sun Yeh **OM series quarter-turn electric control valve actuators** are designed to provide torque ranges from 35Nm to 4500Nm. The users determine a proper model per load requirements. A planetary gearing is utilized with self-locking to prevent valves from being back driven and provide actuators with stable and reliable operation.

ISO 5211 Flange connection is used for mounting actuators to valves and a raised mechanical position indicator is used to enable the operators to identify the valve position. The most distinctive design is clutch-less manual override (except BM-2 and OM-A). The clutch-less design enables the actuators to be changed from electrical control to manual operation without clutch or brake to achieve easier operation thus increases mechanical reliability and decrease the failure rate.

About Sun Yeh:

Sun Yeh Electrical Ind. Co., Ltd. was founded in 1986. Since that moment it has been adhering to understand customer demand and expectations. Based on this principle, OM series quarter turn electric control valve actuator, spring return fail-safe series valve actuator, and linear series electric actuators have been developed. Sun Yeh electric actuators fit with various types of valves such as butterfly valves, ball valves, plug valves, dampers, globe valves, which are widely applied to industrial technology, irrigation, water treatment, HVAC, chemicals, food processing, mining, tunnel/metro ventilation, smoke extraction, food industry, environmental protection system to name a few.



Full Specifications:

Model No	POWER	TORQUE NM	TORQUE IN.LB	SPEED	WEIGHT KG	ISO 5211	OUTPUT	TYPE
OM1	10W	35NM	310 in-lb	12 Secs	2	F03/F05	14	STAR
OMAM	10W	50NM	445 in-lb	27 Secs	3	F05/F07	17	STAR
OM2	40W	90NM	800 in-lb	17 Secs	11	F07/F10	22	STAR
OM3	80W	150NM	1330 in-lb	26 Secs	11	F07/F10	22	STAR
OM4	80W	400NM	3540 in-lb	19 Secs	20	F10/F12	36	STAR
OM5	80W	500NM	4430 in-lb	26 Secs	20	F10/F12	36	STAR
OM6	80W	650NM	5755 in-lb	34 Secs	20	F10/F12	36	STAR
OM7	120W	1000NM	8855 in-lb	50 Secs	32	F12 or F14	35	KEY
OM8	120W	1500NM	13280 in-lb	51 Secs	32	F12 or F14	35	KEY
OM9	180W	2000NM	17710 in-lb	62 Secs	71	F14 or F16	75	KEY
OM10	180W	2500NM	22140 in-lb	62 Secs	71	F14 or F16	75	KEY
OM11	180W	3000NM	26565 in-lb	62 Secs	72	F14 or F16	75	KEY
OM12	220W	3500NM	31000 in-lb	62 Secs	72	F14 or F16	75	KEY
OM13	280W	4500NM	40000 in-lb	88 Secs	106	F16/ F25	72	KEY

Voltages available:

Model No	12V		24V		1-PHASE		3-PHASE		
	DC	AC	DC	AC	110-120V	220-240V	220-240V	380-415V	440-480V
OMA, OMAM, OM1	✓	✓	✓	✓	✓	✓	✗	✗	✗
OM2-OM10	✓	✓	✓	✓	✓	✓	✓	✓	✓
OM11-OM12	✗	✗	✓	✓	✓	✓	✓	✓	✓
OM13	✗	✗	✗	✗	✓	✓	✓	✓	✓

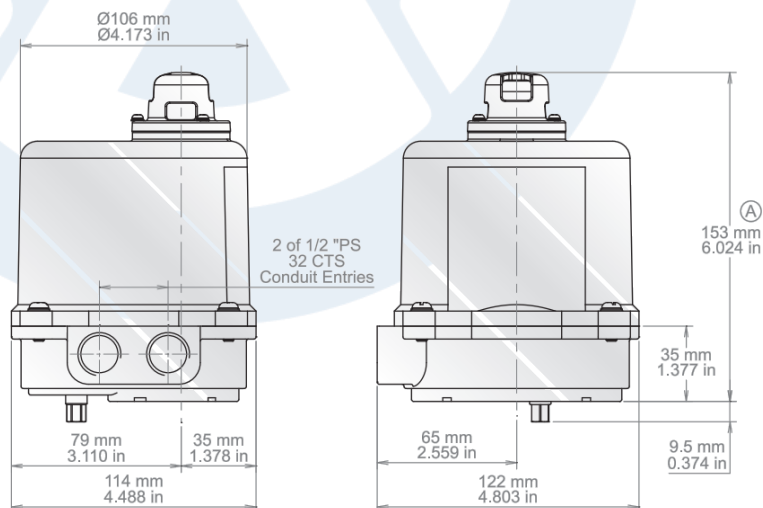
Options available:

Check with our technical sales team which options are available for the different models and voltages. We can offer a number of options to change the function of the actuator including Modulating controller for 4-20mA or 2-10V control, adjustable speed controller to change the working time for open and close from 30 seconds to 200 seconds (OM2 and OM13 only).

Speak to the team about Modbus options, Local controls, IP68 and stainless steel enclosure and much more....

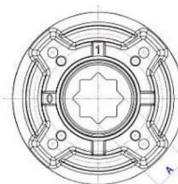


Outline Dimensions:



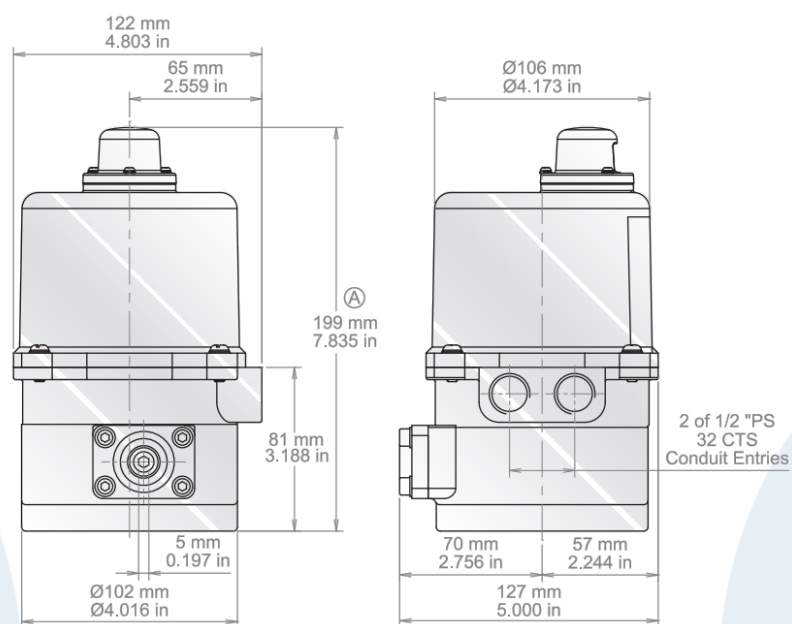
- 35Nm Torque Output

MODEL: OM1



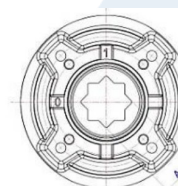
F03/05 x 14mm
17mm depth

Outline Dimensions:



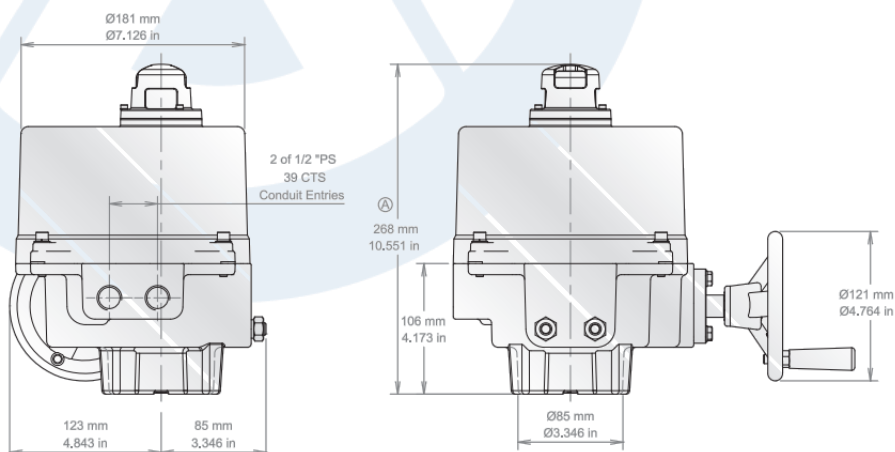
- 50Nm Torque Output

MODEL: OMAM



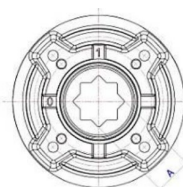
F05/07 x 17mm
20mm depth

Outline Dimensions:



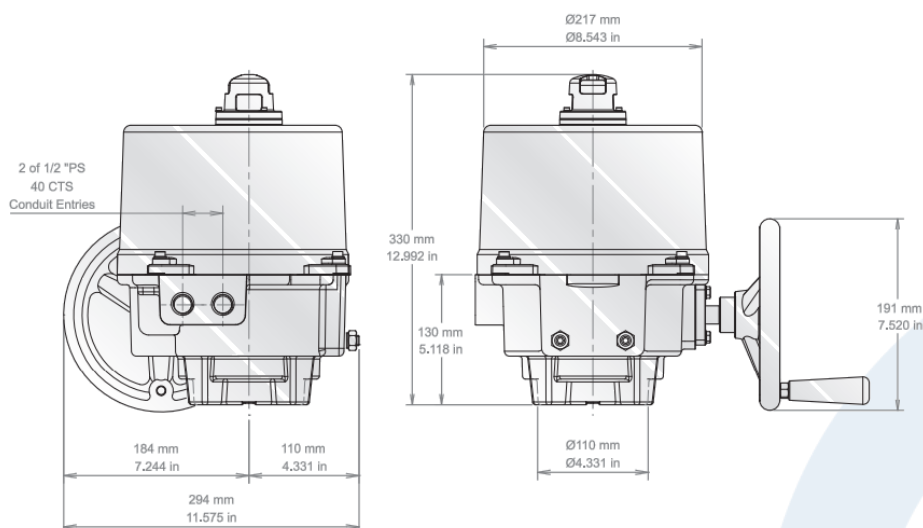
- 90-150Nm Torque Output

MODEL: OM2-OM3



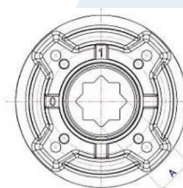
F07/F10 x 22mm
30mm depth

Outline Dimensions:



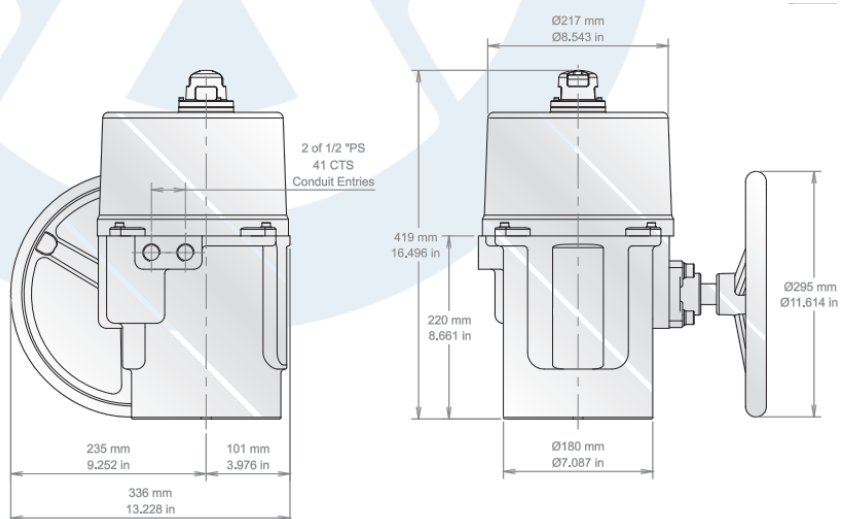
- 400-650Nm Torque Output

MODEL: OM4-OM6



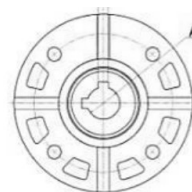
F10/12 x 36mm
40mm depth

Outline Dimensions:



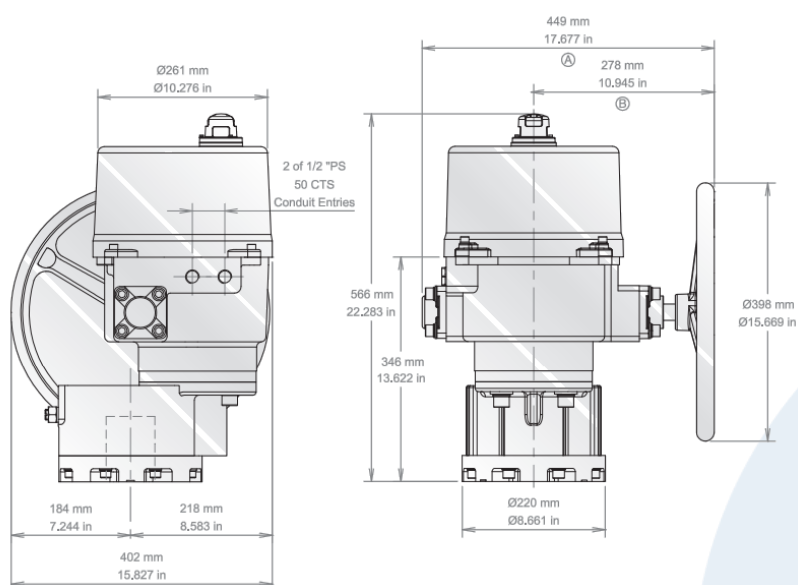
- 1000-1500Nm Torque Output

MODEL: OM7-OM8



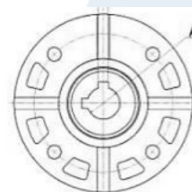
F12 or F14 x
35mm
60mm depth

Outline Dimensions:



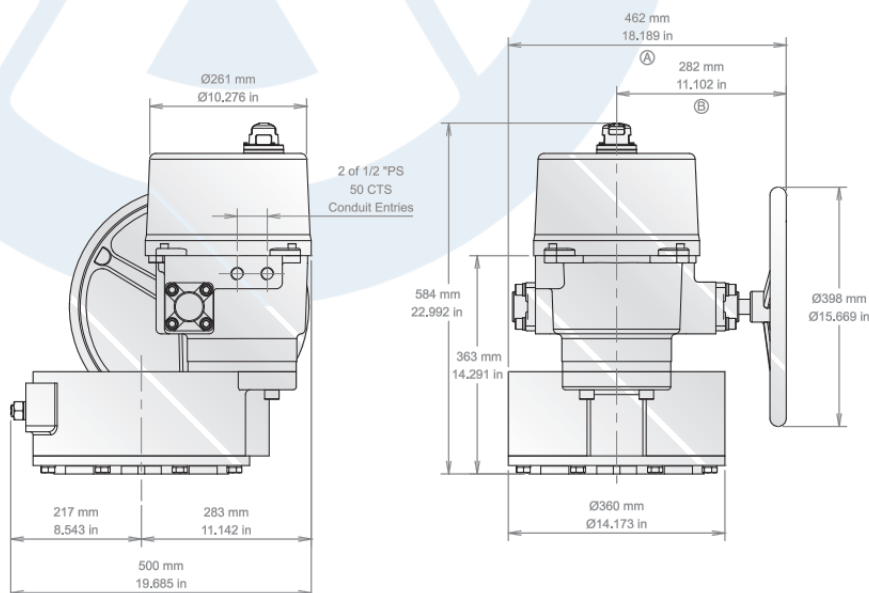
- 2000-3500Nm Torque Output

MODEL: OM9-OM13



F14 or F16 x 75mm
100mm depth

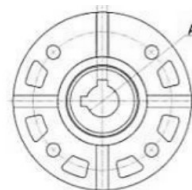
Outline Dimensions:



MODEL: OM13



- 4500Nm Torque Output



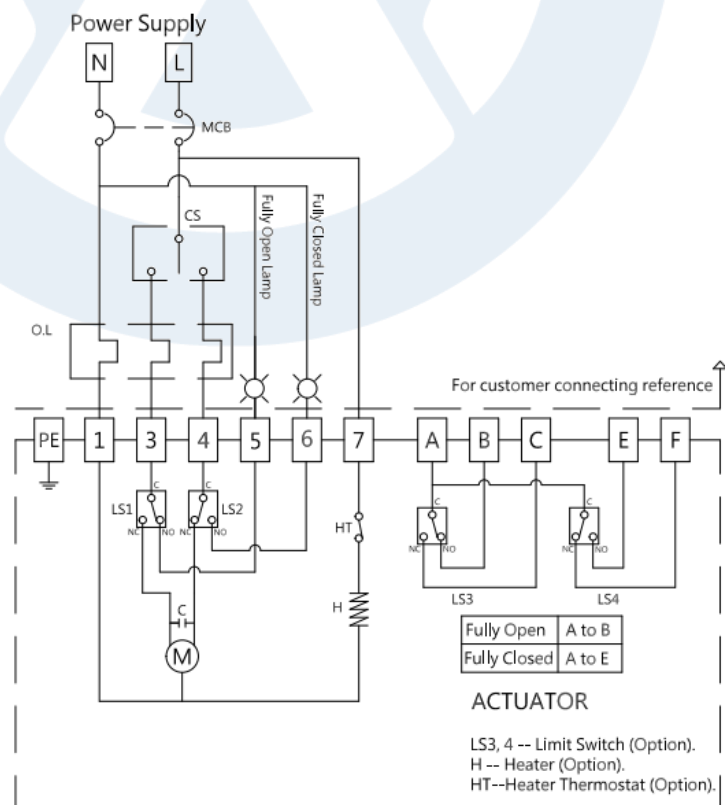
**F16 / F25 x 72mm
110mm depth**

Certification:

An advanced quality management system is always essential to achieve those superior quality products. Hence, we have been strictly controlling quality over the years with advances technology and instruments. Each actuator has been inspected and calibrated before shipment. As a result of our efforts on pursuing quality, Sun Yeh products have been certified with CE, CSA, ATEX, IECEx, SIL certifications, in addition to obtain ISO 9001 qualification. And then we have been receiving recognition and excellent evaluation on our products from customers in the global. Sun Yeh pursues the best interests of enterprises in the meanwhile also actively practices corporate social responsibility on protecting the environment and improving the health and safety of staff. Hence, Sun Yeh has applied for and obtained ISO 14001, OHSAS 18001, REACH, RoHS certifications.



Wiring Schematics: ON OFF TYPE

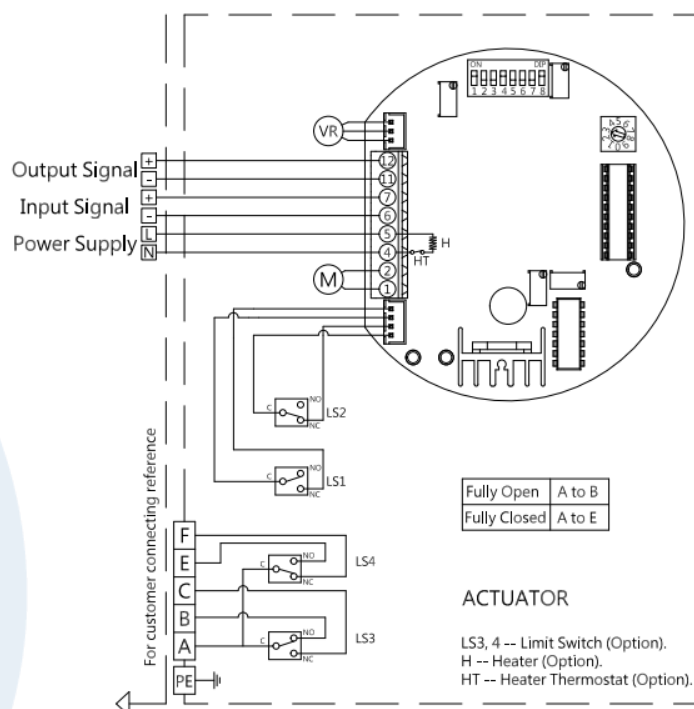


MODEL: OM1-OM13

Note:

1. 'N' Connects to 1
2. 'L' Connects to 7
3. 'L' Connects to 3 for Open
4. 'L' Connects to 4 for Close
5. Using less than 3A current for A, B, C, E, F for OM1-OMAM
6. Note less than 5A for OM2-13

Wiring Schematics: MODULATING TYPE



MODEL: OM1-OM13

Note:

1. Modulating Board
2. Input Signal 4-20mA, 1-5V or 2-10V
3. Output Signal 4-20mA or 2-10V
4. Using less than 3A current for A, B, C, E, F for OM1-OMA and 5A current for OM2-OM13
5. It is suggested to use shielded wire and length should not exceed 30m.

Modulating Actuator Settings:

MODEL: OM1-OM13

	1	2	3	4	5	6	7	8
Factory Setting	ON	OFF	OFF	ON	OFF	OFF	OFF	ON
4 - 20 mA input	ON	OFF						
1 - 5 V input	OFF	OFF						
2 - 10 V input	OFF	ON						
4 - 20 mA output			OFF	ON	OFF			
2 - 10 V output			ON	OFF	ON			
Input 20 mA / 5 V / 10 V to operate valve to fully-open position						OFF		
Input 20 mA / 5 V / 10 V to operate valve to fully-closed position						ON		
When signal input failed, driving valve to fully-open (when S6 sets at "ON").							OFF	ON
When signal input failed, driving valve to fully-closed (when S6 sets at "ON").							ON	OFF
When signal input failed, driving valve to fully-closed (when S6 sets at "OFF").							OFF	ON
When signal input failed, driving valve to fully-open (when S6 sets at "OFF").							ON	OFF
When signal input failed, valve stays at the last position.							ON	ON

Note:

The Dip Switch SW1 is a combination of 8 switches and equally divided in two rows. It is utilized to select signal type of input as well as output and fail positioning when the signal input fails. The sliders can be placed at either ON (upper) or OFF (lower) state position. Factory settings are switches 1, 4, 8 at ON state and switches 2, 3, 5, 6, 7 at OFF state.

Please follow steps below if an adjustment of these settings are required. Please restart the actuator after adjusting.



Input Signal	State of Switch
4 - 20 mA	1 at ON, 2 at OFF
1 - 5 V	1 at OFF, 2 at OFF
2 - 10 V	1 at OFF, 2 at ON

Output Signal	State of Switch
4 - 20 mA	3 at OFF, 4 at ON, 5 at OFF
2 - 10V	3 at ON, 4 at OFF, 5 at ON

Detailed Power Consumption:

MODEL: OM1-OM13

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

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

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

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

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



Detailed Power Consumption:

MODEL: OM1-OM13

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

Model	Torque		Motor Power	Running Current	Running Time	Start Current
	N·m	in·lb		DC / 60 / 50 Hz	DC / 60 / 50 Hz	DC / 60 / 50 Hz
			Watt	Amp	Sec / 90°	Amp
OM-1	35	310	10	1.3 / 2.8 / 2.8	18 / 18 / 18	2.0 / 8.0 / 8.0
OM-A / AM	50	445	10	1.3 / 2.8 / 2.8	36 / 37 / 37	2.0 / 8.0 / 8.0
OM-F	65	575	60	2.61 / 2.61 / 2.61	6 / 6 / 6	3.8 / 3.8 / 3.8
OM-2	90	800	40	2.8 / 3.4 / 3.4	18 / 18 / 17	10.0 / 11.0 / 12.0
OM-G	120	1065	60	4.4 / 4.4 / 4.4	8 / 8 / 8	4.8 / 4.8 / 4.8
OM-3	150	1330	40	2.6 / 3.1 / 3.1	27 / 26 / 26	10.0 / 11.0 / 12.0
OM-H	300	2655	60	3.7 / 5.3 / 5.3	25 / 20 / 20	14.0 / 28.0 / 28.0
OM-4	400	3540	80	7.7 / 9.4 / 9.4	21 / 20 / 20	20.0 / 30.0 / 30.0
OM-5	500	4430	80	7.4 / 8.9 / 9.0	28 / 26 / 26	20.0 / 30.0 / 30.0
OM-6	650	5755	80	9.0 / 11.1 / 11.6	37 / 37 / 39	20.0 / 30.0 / 30.0
OM-7	1000	8855	120	6.1 / 8.2 / 8.1	52 / 44 / 47	23.0 / 32.0 / 28.0
OM-8	1500	13280	120	9.0 / 11.1 / 11.6	58 / 55 / 58	20.0 / 30.0 / 31.0

1.4 24 VAC/DC, Floating Control, 30% duty cycle

Model	Torque		Motor Power	Running Current	Running Time	Start Current
	N·m	in·lb		DC / 60 / 50 Hz	DC / 60 / 50 Hz	DC / 60 / 50 Hz
			Watt	Amp	Sec / 90°	Amp
OM-F	65	575	60	2.6 / 2.6 / 2.6	6 / 6 / 6	3.8 / 3.8 / 3.8
OM-J	80	708	5	- / 0.9 / 1	- / 130 / 156	- / 2 / 2
OM-G	120	1065	60	4.4 / 4.4 / 4.4	8 / 8 / 8	3.8 / 3.8 / 3.8

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

Model	Torque		Motor Power	Running Current	Running Time	Start Current
	N·m	in·lb		60 / 50 Hz	60 / 50 Hz	60 / 50 Hz
			Watt	Amp	Sec / 90°	Amp
OM-1	35	310	10	0.6 / 0.6	15 / 15	3.0 / 3.0
OM-A / AM	50	445	10	0.6 / 0.6	28 / 28	3.0 / 3.0
OM-2	90	800	40	0.8 / 0.8	19 / 19	9.0 / 9.0
OM-3	150	1330	40	0.7 / 0.7	29 / 28	9.0 / 9.0
OM-H	300	2655	60	1.0 / 1.0	24 / 23	13.0 / 12.0
OM-4	400	3540	80	2.1 / 2.2	24 / 23	17.0 / 17.0
OM-5	500	4430	80	1.9 / 1.9	28 / 28	17.0 / 17.0
OM-6	650	5755	80	2.0 / 2.1	38 / 38	17.0 / 17.0
OM-7	1000	8855	120	2.0 / 2.0	59 / 58	14.0 / 13.0



Detailed Power Consumption:

MODEL: OM1-OM13

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

Model	Torque		Motor Power	Running Current	Running Time	Start Current
	N·m	in·lb		60 / 50 Hz	60 / 50 Hz	60 / 50 Hz
			Watt	Amp	Sec / 90°	Amp
OM-1	35	310	10	0.6 / 0.6	18 / 17	3.0 / 2.0
OM-A / AM	50	445	10	0.6 / 0.6	33 / 33	3.0 / 2.0
OM-2	90	800	40	0.8 / 0.8	19 / 19	9.0 / 9.0
OM-3	150	1330	40	0.7 / 0.7	29 / 28	9.0 / 9.0
OM-H	300	2655	60	1.0 / 1.0	24 / 23	13.0 / 12.0
OM-4	400	3540	80	2.1 / 2.2	24 / 23	17.0 / 17.0
OM-5	500	4430	80	1.9 / 1.9	28 / 28	17.0 / 17.0
OM-6	650	5755	80	2.0 / 2.1	38 / 38	17.0 / 17.0
OM-7	1000	8855	120	2.0 / 2.0	59 / 58	14.0 / 13.0
OM-8	1500	13280	120	2.8 / 2.8	79 / 82	14.0 / 13.0

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

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



Detailed Power Consumption:

MODEL: OM1-OM13

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

Model	Torque		Motor Power	Running Current 60 / 50 Hz	Running Time 60 / 50 Hz	Start Current 60 / 50 Hz
	N·m	in·lb	Watt	Amp	Sec / 90°	Amp
OM-F	65	575	60	0.97 / 0.97	6 / 6	2.1 / 2.1
OM-2	90	800	40	1.2 / 1.7	17 / 20	3.0 / 4.0
OM-G	120	1065	60	1.39 / 1.39	8 / 8	3.0 / 3.0
OM-3	150	1330	40	1.2 / 1.7	26 / 31	3.0 / 4.0
OM-H	300	2655	60	1.9 / 1.5	24 / 28	5.0 / 5.0
OM-4	400	3540	80	2.1 / 2.4	19 / 23	7.0 / 7.0
OM-5	500	4430	80	2.0 / 2.4	26 / 31	7.0 / 7.0
OM-6	650	5755	80	2.4 / 2.5	34 / 41	7.0 / 7.0
OM-7	1000	8855	120	4.2 / 6.6	50 / 61	14.0 / 15.0
OM-8	1500	13280	120	4.2 / 6.6	51 / 62	15.0 / 13.0

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

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



Additional Information on Request:

Please scan the QR code to visit our website for more information. If you have any requirement for information not detailed within this PDF, please do not hesitate to contact our sales team or email sales@allvalves.co.uk.



Detailed Power Consumption:

MODEL: OM1-OM13

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

Model	Torque		Motor Power	Running Current	Running Time	Start Current
	N·m	in·lb		60 / 50 Hz	60 / 50 Hz	60 / 50 Hz
			Watt	Amp	Sec / 90°	Amp
OM-1	35	310	10	0.4 / 0.4	18 / 18	2.0 / 2.0
OM-A / AM	50	445	10	0.4 / 0.4	30 / 30	2.0 / 2.0
OM-2	90	800	40	0.4 / 0.4	16 / 16	6.0 / 7.0
OM-3	150	1330	40	0.4 / 0.4	26 / 25	6.0 / 7.0
OM-H	300	2655	60	0.6 / 0.6	23 / 23	10.0 / 9.0
OM-4	400	3540	80	1.1 / 1.1	22 / 22	15.0 / 14.0
OM-5	500	4430	80	1.0 / 1.1	28 / 28	15.0 / 14.0
OM-6	650	5755	80	1.0 / 1.1	35 / 35	15.0 / 14.0
OM-7	1000	8855	120	1.2 / 1.2	59 / 58	10.0 / 10.0
OM-8	1500	13280	120	1.6 / 1.6	79 / 82	10.0 / 10.0

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

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

