

# CM Series

## Quarter-turn Electric Valve Actuator

# Electrical Data

Service Unique Nice Youthful Energy Honesty

**SUNYEH**



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# 1. CM-100 to 600, 1PH, 30% duty cycle

## 1.1 24VAC/DC, Floating or Modulating Control, 30% duty cycle

Model	Torque		Motor Power	Running Current	Running Time	Lock Current
	N·m	in·lb	Watt	DC / 60 / 50 Hz	DC / 60 / 50 Hz	DC / 60 / 50 Hz
CM-100	100	885	60	4.2 / 4.5 / 5	13 / 12 / 12	13.1 / 9.7 / 9.7
CM-200	200	1771	60	4.0 / 4.0 / 4.0	24 / 25 / 25	13.1 / 9.7 / 9.7
CM-300	300	2656	80	9.9 / 11.3 / 12.5	19 / 15 / 17	15.7 / 16.4 / 16.4
CM-400	400	3542	80	8.7 / 12.5 / 12.7	24 / 21 / 23	15.7 / 16.4 / 16.4
CM-500	500	4427	80	8.9 / 11.1 / 11.3	27 / 23 / 26	15.7 / 16.4 / 16.4
CM-600	600	5313	80	9.2 / 11.6 / 11.8	36 / 33 / 34	15.7 / 16.4 / 16.4

## 1.2 110-120VAC, Floating or Modulating Control, 30% duty cycle

Model	Torque		Motor Power	Running Current	Running Time	Lock Current
	N·m	in·lb	Watt	60 / 50 Hz	60 / 50 Hz	60 / 50 Hz
CM-100	100	885	50	1.2 / 1.3	10 / 12	3.8 / 3.8
CM-200	200	1771	60	1.2 / 1.5	22 / 26	3.8 / 3.8
CM-300	300	2656	180	2.8 / 3.9	11 / 13	8.5 / 8.5
CM-400	400	3542	180	2.8 / 3.9	15 / 18	8.5 / 8.5
CM-500	500	4427	180	3.1 / 3.9	19 / 24	8.5 / 8.5
CM-600	600	5313	180	3.2 / 3.8	23 / 28	8.5 / 8.5

## 1.3 220-240VAC, Floating or Modulating Control, 30% duty cycle

Model	Torque		Motor Power	Running Current	Running Time	Lock Current
	N·m	in·lb	Watt	60 / 50 Hz	60 / 50 Hz	60 / 50 Hz
CM-100	100	885	50	0.7 / 0.7	10 / 12	1.7 / 1.7
CM-200	200	1771	60	0.5 / 0.6	22 / 26	1.7 / 1.7
CM-300	300	2656	180	1.4 / 2.2	11 / 13	6.8 / 6.8
CM-400	400	3542	180	1.5 / 2.2	15 / 18	6.8 / 6.8
CM-500	500	4427	180	1.5 / 2.2	19 / 24	6.8 / 6.8
CM-600	600	5313	180	1.4 / 2.2	23 / 28	6.8 / 6.8

## 2. CM-100 to 600, 3PH, 30% duty cycle

### 2.1 220VAC, Floating Control, 30% duty cycle

Model	Torque		Motor Power	Running Current	Running Time	Lock Current
	N·m	in·lb		60 / 50 Hz	60 / 50 Hz	60 / 50 Hz
			Watt	Amp	Sec / 90°	Amp
CM-100	100	885	50	0.7 / 1.0	10 / 12	3.2 / 3.2
CM-200	200	1771	60	0.7 / 1.0	22 / 26	3.2 / 3.2
CM-300	300	2656	180	1.0 / 1.2	11 / 13	3.7 / 3.7
CM-400	400	3542	180	1.0 / 1.2	15 / 18	3.7 / 3.7
CM-500	500	4427	180	1.0 / 1.2	19 / 24	3.7 / 3.7
CM-600	600	5313	180	0.9 / 1.2	23 / 28	3.7 / 3.7

### 2.2 380VAC, Floating Control, 30% duty cycle

Model	Torque		Motor Power	Running Current	Running Time	Lock Current
	N·m	in·lb		60 / 50 Hz	60 / 50 Hz	60 / 50 Hz
			Watt	Amp	Sec / 90°	Amp
CM-100	100	885	50	0.3 / 0.4	10 / 12	1.0 / 1.0
CM-200	200	1771	60	0.4 / 0.5	22 / 26	1.0 / 1.0
CM-300	300	2656	180	0.5 / 0.6	11 / 13	2.5 / 2.5
CM-400	400	3542	180	0.5 / 0.6	15 / 18	2.5 / 2.5
CM-500	500	4427	180	0.5 / 0.6	19 / 24	2.5 / 2.5
CM-600	600	5313	180	0.5 / 0.6	23 / 28	2.5 / 2.5

### 2.3 440VAC, Floating Control, 30% duty cycle

Model	Torque		Motor Power	Running Current	Running Time	Lock Current
	N·m	in·lb		60 / 50 Hz	60 / 50 Hz	60 / 50 Hz
			Watt	Amp	Sec / 90°	Amp
CM-100	100	885	50	0.3 / 0.4	10 / 12	1.1 / 1.1
CM-200	200	1771	60	0.4 / 0.5	22 / 26	1.1 / 1.1
CM-300	300	2656	180	0.5 / 0.7	11 / 13	2.5 / 2.5
CM-400	400	3542	180	0.5 / 0.6	15 / 18	2.5 / 2.5
CM-500	500	4427	180	0.5 / 0.7	19 / 24	2.5 / 2.5
CM-600	600	5313	180	0.5 / 0.7	23 / 28	2.5 / 2.5