

DM-20

SuperCap Fail-safe
Electric Valve Actuator



Electrical Data



SUN YEH ELECTRICAL IND. CO., LTD.

SY11-G001A-EN

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SuperCap Fail-safe Electric Valve Actuator Electrical Data

1. DM-20, 1PH, Class A, B, C

1.1 12 V AC / DC, On-off and Floating Control, Class A, B

Model	Torque		Voltage	Motor Power	Duty Performance		Running Current DC / 60 / 50 Hz	Motor Run Time DC / 60 / 50 Hz	SuperCap Return Time
	Nm	in-lb			W	Cycles / hour			
DM-20	20	177	12 V AC / DC	17	15 (S3-25%)	120 (S3-25%)	1.68 / 2.01 / 2.03	10 / 9 / 9	13

- The running current is measured at max torque.

1.2 12 V AC / DC, Modulating Control, Class C

Model	Torque		Voltage	Motor Power	Duty Performance	Running Current DC / 60 / 50 Hz	Motor Run Time DC / 60 / 50 Hz	SuperCap Return Time
	Nm	in-lb						
DM-20	20	177	12 V AC / DC	17	1200 (S3-25%)	1.68 / 2.01 / 2.03	10 / 9 / 9	13

- The running current is measured at max torque.

1.3 24 V AC / DC, On-off and Floating Control, Class A, B

Model	Torque		Voltage	Motor Power	Duty Performance		Running Current DC / 60 / 50 Hz	Motor Run Time DC / 60 / 50 Hz	SuperCap Return Time
	Nm	in-lb			W	Cycles / hour			
DM-20	20	177	24 V AC / DC	17	15 (S3-25%)	120 (S3-25%)	0.69 / 0.94 / 0.95	10 / 10 / 10	13

- The running current is measured at max torque.

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1.4 24 V AC / DC, Modulating Control, Class C

Model	Torque		Voltage	Motor Power	Duty Performance	Running Current DC / 60 / 50 Hz	Motor Run Time DC / 60 / 50 Hz	SuperCap Return Time
	Nm	in-lb		W	Starts / hour	Amp	Sec / 90°	Sec / 90°
DM-20	20	177	24 V AC / DC	17	1200 (S3-25%)	0.69 / 0.94 / 0.95	10 / 10 / 10	13

- The running current is measured at max torque.

1.5 100 - 240 V AC, On-off and Floating Control, Class A, B

Model	Torque		Voltage	Motor Power	Duty Performance		Running Current 60 / 50 Hz	Motor Run Time DC / 60 / 50 Hz	SuperCap Return Time
	Nm	in-lb		W	Cycles / hour	Starts / hour	Amp	Sec / 90°	Sec / 90°
DM-20	20	177	100 - 120 V AC	17	15 (S3-25%)	120 (S3-25%)	0.31 / 0.31	9 / 9	13
			200 - 240 V AC				0.18 / 0.18	9 / 9	

- The running current is measured at max torque.

1.6 100 - 240 V AC, Modulating Control, Class C

Model	Torque		Voltage	Motor Power	Duty Performance	Running Current 60 / 50 Hz	Motor Run Time DC / 60 / 50 Hz	SuperCap Return Time
	Nm	in-lb		W	Starts/ hour	Amp	Sec / 90°	Sec / 90°
DM-20	20	177	100 - 120 V AC	17	1200 (S3-25%)	0.31 / 0.31	9 / 9	13
			200 - 240 V AC			0.18 / 0.18	9 / 9	

- The running current is measured at max torque.

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1.7 24 - 240 V AC / 24 - 135 V DC, On-off and Floating Control, Class A, B

Model	Torque		Voltage	Motor Power	Duty Performance		Running Current	Motor Run Time	SuperCap Return Time
	Nm	in-lb		W	Cycles / hour	Starts / hour	DC / 60 / 50 Hz	DC / 60 / 50 Hz	Sec / 90°
DM-20	20	177	24 V AC / DC	17	15 (S3-25%)	120 (S3-25%)	0.79 / 1.06 / 1.07	9 / 9 / 9	13
			135 V DC				0.15 / - / -	9 / - / -	
			100 - 120 V AC				- / 0.32 / 0.33	- / 9 / 9	
			200 - 240 V AC				- / 0.19 / 0.19	- / 9 / 9	

- The running current is measured at max torque.

1.8 24 - 240 V AC / 24 - 135 V DC, Modulating Control, Class C

Model	Torque		Voltage	Motor Power	Duty Performance	Running Current	Motor Run Time	SuperCap Return Time
	Nm	in-lb		W	Starts / hour	DC / 60 / 50 Hz	DC / 60 / 50 Hz	Sec / 90°
DM-20	20	177	24 V AC / DC	17	1200 (S3-25%)	0.79 / 1.06 / 1.07	9 / 9 / 9	13
			135 V DC			0.15 / - / -	9 / - / -	
			100 - 120 V AC			- / 0.32 / 0.33	- / 9 / 9	
			200 - 240 V AC			- / 0.19 / 0.19	- / 9 / 9	

- The running current is measured at max torque.



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