

Sheet1

Voltage		200 VAC	
Servomotor Model : SJME-□□A		1	2
Applicable SERVOPACK Model :	SJDE- □□A	1	2
Rated Output	W	100	200
Rated Torque*	N·m	0.318	0.637
Instantaneous Peak Torque	N·m	0.955	1.91
Rated Current	Arms	0.84	1.1
Instantaneous Max. Current	Arms	2.5	3.3
Rated Speed	min-1		
Max. Speed	min-1		
Torque Constant	N·m/ Arms	0.413	0.645
Rotor Moment of Inertia	kg·m ² × 10 ⁻⁴	0.0634	0.33
Rated Power Rate	kw/s	16	12.3

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Rated Angular Acceleration	rad/s ²	50200	19300
Time Rating	Continuous		
Thermal Class	B		
Vibration Class	V15		
Withstand Voltage	1500 VAC for one minute		
Insulation Resistance	500 VDC, 10 MΩ min.		
Enclosure	Totally enclosed, self-cooled, IP (and connectors)		

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Impact Resistance	Impact acceleration : 490 m/s ² i - vertical, side to side, and front Impact occurrences : 2
Vibration Resistance	Vibration acceleration : 490 m/s ² - vertical,side to side, and front

Holding Brake Specifications

Servomotor Model :

SJME-□□A

Rated Voltage

1 2
24 VDC±10%

Holding Brake Moment

×
of Inertia* 10-4

Capacity W

0.0075

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Min. Holding Torque (Static Friction Torque)	N·m	0.318
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Coil Resistance	Ω (at 20°C)	96
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Rated Current	A (at 20°C)	0.25
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Holding Brake Release Time	ms	80 max.
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Rise Time for Holding Torque	ms	100 max.
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4	8	Description
4	8-	
400	750	Motor output at the rated operating point
1.27	2.39	Torque at the rated operating point
3.82	7.16	Maximum instantaneous torque of the motor
2	3.7	Current flowing to the motor at the rated operating point
6	11.1	Maximum current allowed to flow instantaneously to the motor
	3000	Speed at the rated operating point
	4500	Highest possible speed
0.682	0.699	Generated torque ratio per current flowing to the motor
0.603	1.5	Inertia moment at the rotor shaft
26.7	38.1	Motor output per unit time

21100	15900	The theoretical angular acceleration (also called torque-to-inertia ratio) at the rated torque
		"Continuous rating" means that the temperature of the servomotor in continuous operation under specified conditions will not exceed a specified temperature or other limitation.
		Highest allowable temperature for armature winding : 130°C
		The maximum vibration amplitude of the motor expressed in units of micrometers on the condition that the vibration is measured with a vibrometer parallel to the shaft and in two directions perpendicular to the shaft.
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		-
IP55 (excluding shaft opening	Level of protection from dust and water drops	

<p>in three directions to back.</p>	<p>Impact resistance of the motor in three directions (up and down, left and right, and back and forth) with the motor shaft mounted horizontally</p>
<p>2 in three directions to back.</p>	<p>Vibration resistance of the motor in three directions (up and down, left and right, and back and forth) with the motor shaft mounted horizontally</p>

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8 Description

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0.064

0.171 -

6.9

7.7 -

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1.27	Torque against an external force to hold the shaft
83	Resistance of the built-in coil in the holding brake
0.29	Current that flows when the holding brake is released

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