



7000W

SGD7S-550A30A



一般

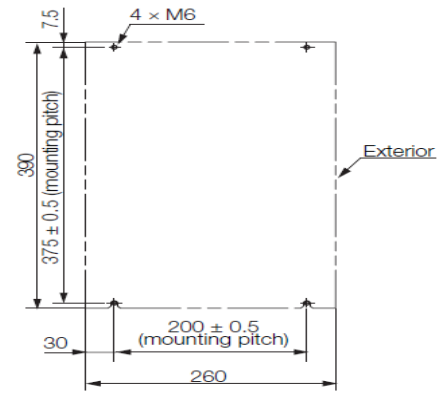
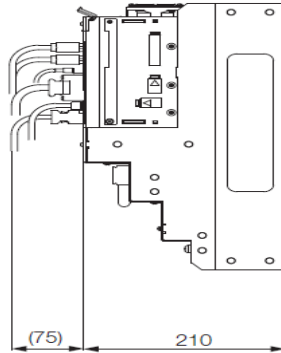
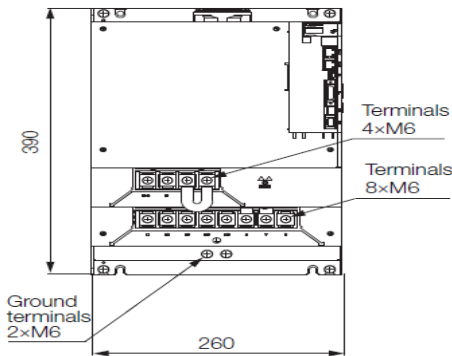
SGM7A-70A7A2S

煞車

SGM7A-70A7A2E



## 驅動器尺寸



Mounting Hole Diagram  
 Approx. Mass: 15.5 kg  
 Unit: mm

Model SGD7S-		470A	550A	590A	780A
Maximum Applicable Motor Capacity [kW]		6.0	7.5	11	15
Continuous Output Current [Arms]		46.9	54.7	58.6	78.0
Instantaneous Maximum Output Current [Arms]		110	130	140	170
Main Circuit	Power Supply	200 VAC to 240 VAC, -15% to +10%, 50 Hz/60 Hz			
	Input Current [Arms] <sup>*1</sup>	29	37	54	73
Control Power Supply		200 VAC to 240 VAC, -15% to +10%, 50 Hz/60 Hz			
Power Supply Capacity [kVA] <sup>*1</sup>		10.7	14.6	21.7	29.6
Power Loss <sup>*1</sup>	Main Circuit Power Loss [W]	279.4	357.8	431.7	599.0
	Control Circuit Power Loss [W]	33	33	48	48
	External Regenerative Resistor Unit Power Loss [W]	180 <sup>*2</sup>	180 <sup>*3</sup>	350 <sup>*3</sup>	350 <sup>*3</sup>
	Total Power Loss [W]	312.4	390.8	479.7	647.0
External Regenerative Resistor Unit	External Regenerative Resistor Unit	Resistance [Ω]	6.25 <sup>*2</sup>	3.13 <sup>*3</sup>	3.13 <sup>*3</sup>
		Capacity [W]	880 <sup>*2</sup>	1760 <sup>*3</sup>	1760 <sup>*3</sup>
	Minimum Allowable External Resistance [Ω]	5.8	2.9	2.9	2.9
Overvoltage Category		III			



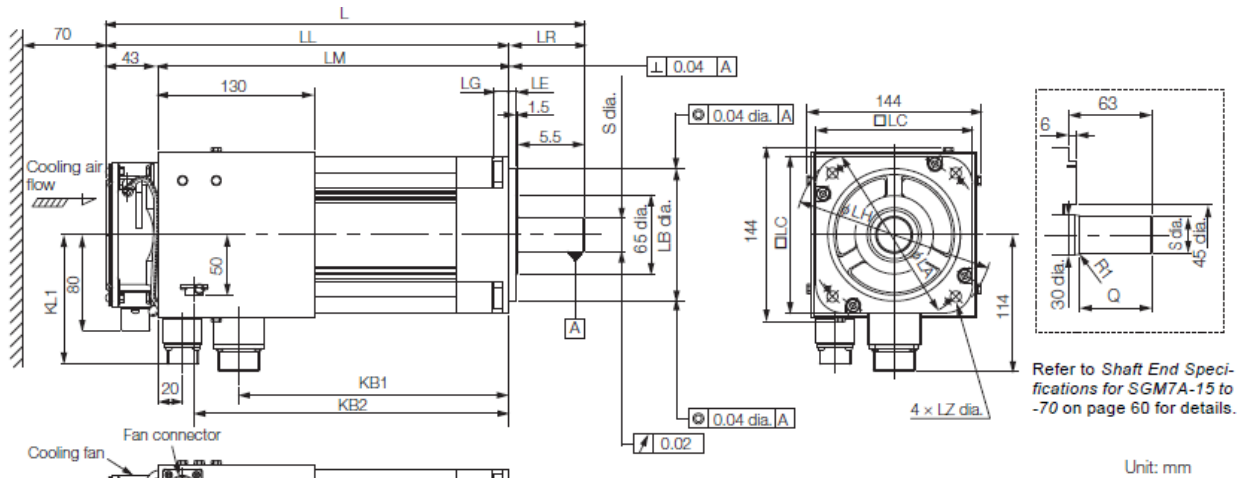
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<ul style="list-style-type: none"> <li>•Cooling Fan Specifications</li> <li>Single-phase, 220 V</li> <li>50/60 Hz</li> <li>17/15 W</li> <li>0.11/0.09 A</li> </ul>	<ul style="list-style-type: none"> <li>•Specifications of Fan Operation Error Detector</li> <li>Contact Capacity</li> <li>Maximum allowable voltage: 350 V (AC/DC)</li> <li>Maximum allowable current: 120 mA (AC/ DC)</li> <li>Maximum controllable power: 360 mW</li> <li>Alarm Contacts</li> <li>ON for normal fan rotation.</li> <li>OFF at 1,680 ± 100 min<sup>-1</sup> max.</li> <li>OFF for 3 seconds at startup.</li> </ul>
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Model SGM7A-	L	LL	LM	LR	KB1	KB2	KL1
70A□A21	397	334	291	63	224	261	108

Model SGM7A-	Flange Dimensions							Shaft End Dimensions		Approx. Mass [kg]
	LA	LB	LC	LE	LG	LH	LZ	S	Q	
70A□A21	145	110 <sup>0</sup> <sub>-0.035</sub>	130	6	12	165	9	28 <sup>0</sup> <sub>-0.013</sub>	55	18.5



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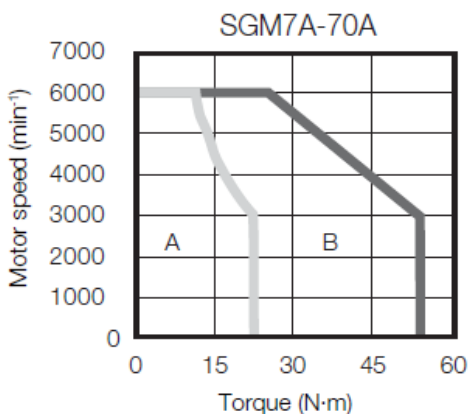
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Voltage		200 V						
Model SGM7A-		15A	20A	25A	30A	40A	50A	70A
Rated Output* <sup>6</sup>	kW	1.5	2.0	2.5	3.0	4.0	5.0	7.0
Rated Torque* <sup>2, *6</sup>	N•m	4.90	6.36	7.96	9.80	12.6	15.8	22.3
Instantaneous Maximum Torque* <sup>6</sup>	N•m	14.7	19.1	23.9	29.4	37.8	47.6	54.0
Rated Current* <sup>6</sup>	Arms	9.3	12.1	15.6	17.9	25.4	27.6	38.3
Instantaneous Maximum Current* <sup>6</sup>	Arms	28	42	51	56	77	84	105
Rated Motor Speed* <sup>6</sup>	min <sup>-1</sup>	3000						
Maximum Motor Speed* <sup>6</sup>	min <sup>-1</sup>	6000* <sup>8</sup>						
Torque Constant	N•m/Arms	0.590	0.561	0.538	0.582	0.519	0.604	0.604
Motor Moment of Inertia	×10 <sup>-4</sup> kg•m <sup>2</sup>	2.00 (2.25)	2.47 (2.72)	3.19 (3.44)	7.00 (9.20)	9.60 (11.8)	12.3 (14.5)	12.3
Rated Power Rate* <sup>6</sup>	kW/s	120 (106)	164 (148)	199 (184)	137 (104)	165 (134)	203 (172)	404
Rated Angular Acceleration Rate* <sup>6</sup>	rad/s <sup>2</sup>	24500 (21700)	25700 (23300)	24900 (23100)	14000 (10600)	13100 (10600)	12800 (10800)	18100
Heat Sink Size (Aluminum)	mm	300 × 300 × 12			400 × 400 × 20			
Protective Structure* <sup>3</sup>		Totally enclosed, self-cooled, IP67						Totally enclosed, separately cooled (with fan), IP22

### T-N 曲線



Shaft End Details	Servo Motor Model SGM7A-						
	15	20	25	30	40	50	70
Code: 2 (Straight without Key)							
	LR	45				63	
	Q	40				55	
	S	24 <sup>0</sup> <sub>-0.013</sub>				28 <sup>0</sup> <sub>-0.013</sub>	
Code: 6 (Straight with Key and Tap)							
	LR	45				63	
	Q	40				55	
	QK	32				50	
	S	24 <sup>0</sup> <sub>-0.013</sub>				28 <sup>0</sup> <sub>-0.013</sub>	
	W	8					
	T	7					
U	4						
P	M8 screw, Depth: 16						