

SEP080

BLDC SERVO MOTOR

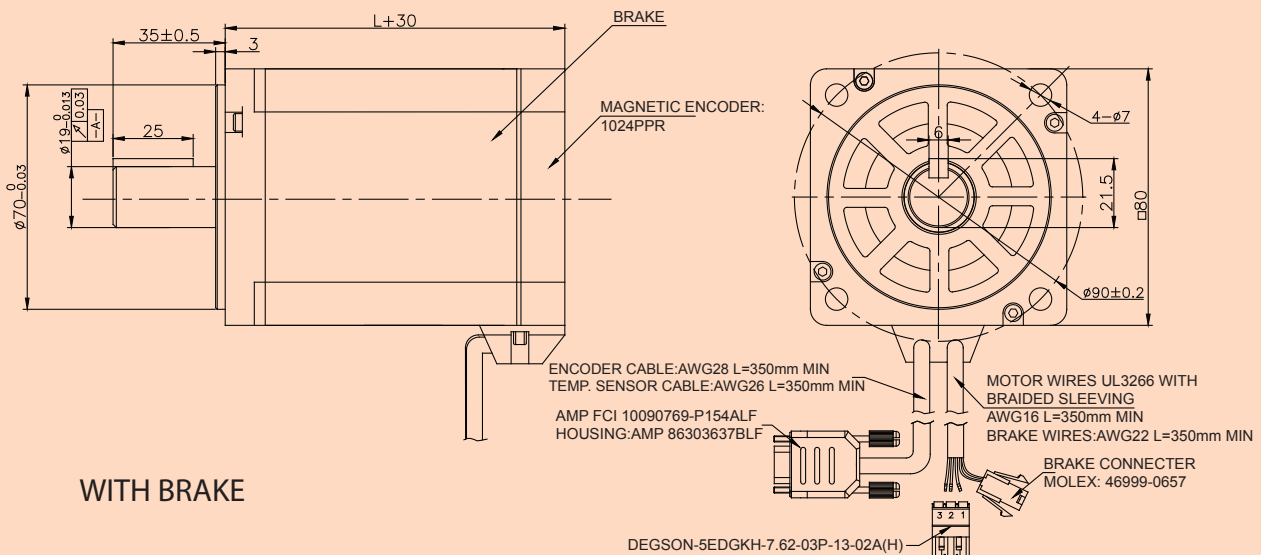
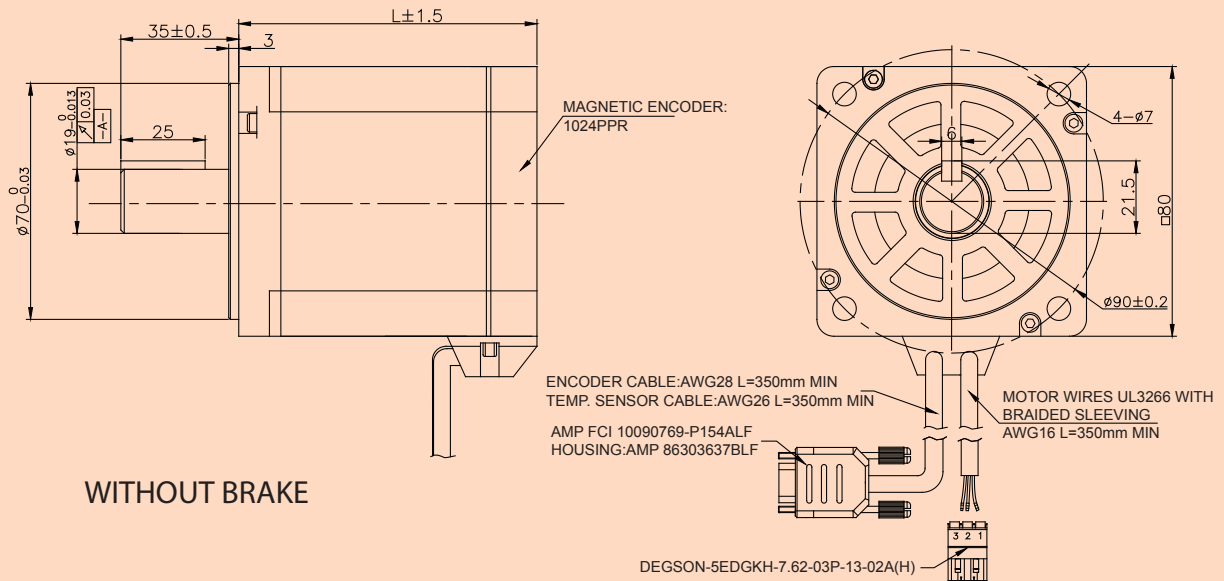


● Specification

	Unit	SEP080A(B)M500-001	SEP080A(B)M500-002	SEP080A(B)M800-001	SEP080A(B)M800-002
Voltage	VDC	24	48	24	48
Rated Power <i>P_w</i>	W	500	500	800	800
Rated Speed <i>N_n</i>	RPM	3000	3000	3000	3000
Rated Torque <i>T_n</i>	Nm	1.53	1.53	2.55	2.55
Rated Current <i>I_n</i>	A	24	14.6	40	22.6
Peak Torque <i>T_m</i>	Nm	4.6	4.6	7.6	7.6
Peak Current <i>I_m</i>	A	72	46	120	67
Resistance L-L <i>R_l</i>	ohms	0.04	0.095	0.023	0.058
Inductance L-L <i>H_l</i>	mH	0.15	0.34	0.087	0.23
Voltage Constant <i>K_e</i>	Vrms/Krpm	4.1	6.33	4.1	6.75
Torque Constant <i>K_t</i>	Nm/Arms	0.068	0.105	0.068	0.112
Rotor Inertia <i>J_m</i>	Kg.mm ²	61.5	61.5	95.6	95.6
Poles		10	10	10	10
IP Class		54	54	54	54
Feedback Device (Magnetic Encoder)	PPR	4096	4096	4096	4096
Brake Torque	Nm	4.0	4.0	4.0	4.0
Length	mm	75	75	92	92
		105 (with brake)	105 (with brake)	122 (with brake)	122 (with brake)
Weight <i>W_m</i>	Kg	1.5	1.5	1.9	1.9
		2.1 (with brake)	2.1 (with brake)	2.5 (with brake)	2.5 (with brake)

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● Mechanical



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● Characteristic diagram

