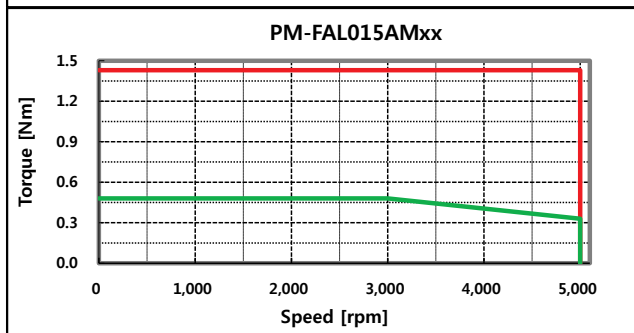
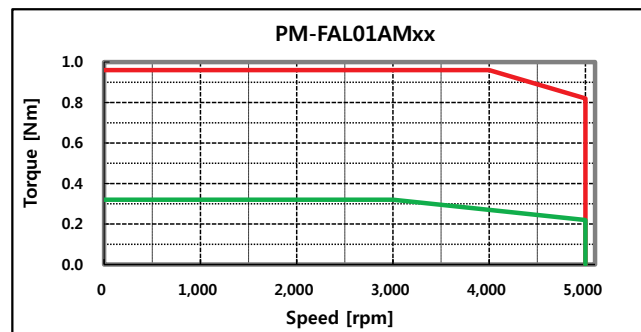
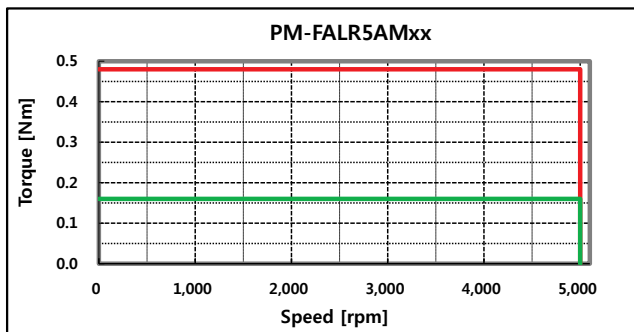


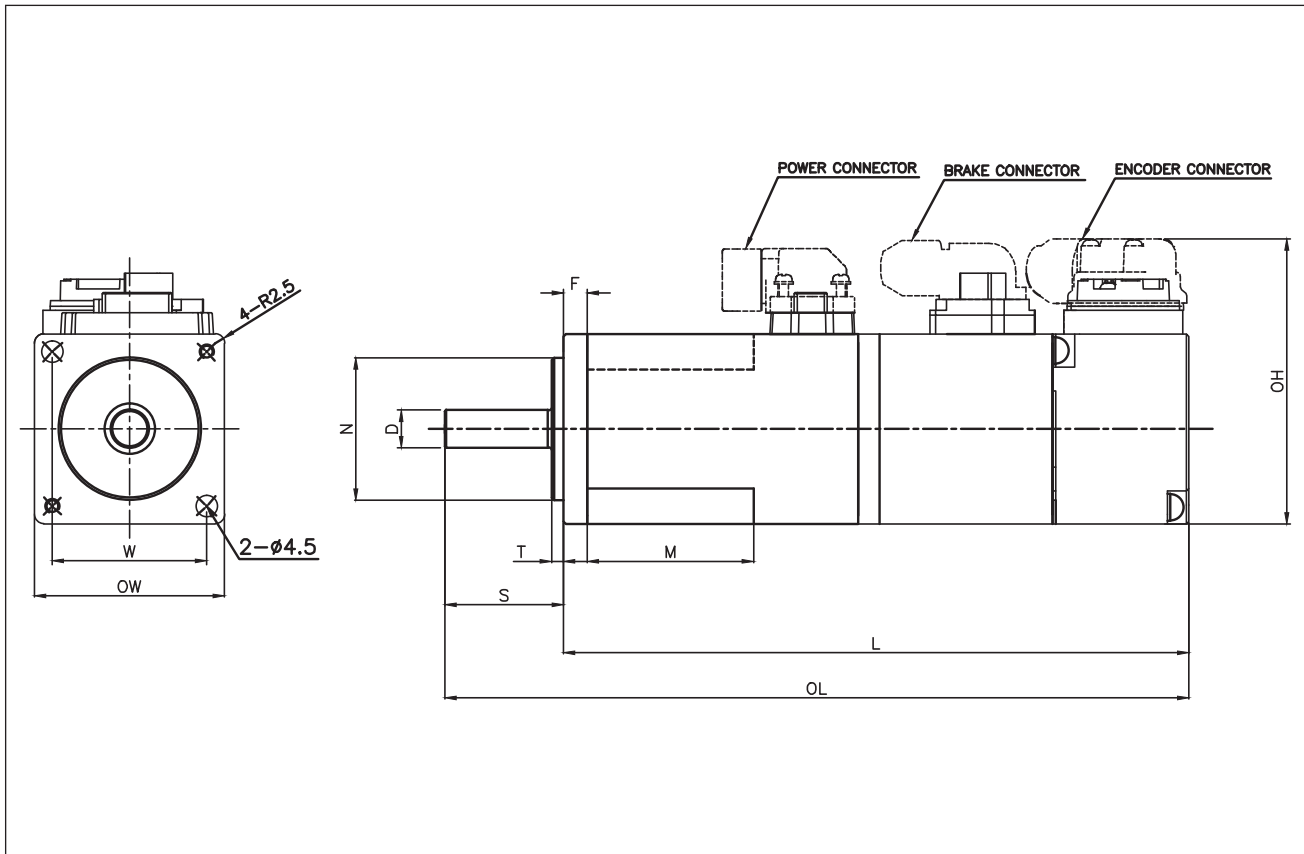
P Series Servo Motors

FAL Specifications

		PM-FALR5AM8	PM-FAL01AM8	PM-FAL015AM8
Rated Output Power	Watts	50	100	150
Rated Torque	N-m	0.16	0.32	0.48
	in-lb	1.4	2.8	4.2
Instantaneous Peak Torque	N-m	0.48	0.96	1.43
	in-lb	4.2	8.5	12.7
Rated Speed	rpm	3000	3000	3000
Peak Speed	rpm	5000	5000	5000
Rated Current	Arms	0.95	1.25	1.73
Peak Current	Arms	2.85	3.75	5.19
Inductance	mH	4.42	5.08	3.89
Resistance	ohms	5.57	4.64	3.52
Torque Constant	Nm/Arms	0.18	0.27	0.30
Moment of Inertia	kg-m ² x 10 ⁻⁴	0.02	0.05	0.06
	in-lb-sec ² x 10 ⁻⁴	0.18	0.44	0.53
Allowable Moment of Load Inertia		Motor Inertia x 30		x 20
Position Feedback		BiSS-C Interface – 18bit/16bit	262,144ppr	65,535 revs
Weight	kg	0.4	0.5	0.7
	lb	0.8	1.1	1.5
Protection		IP67 (body and connectors, not shaft)		
Standards		CE (EMC, LVD), UL (pending)		
Environmental				
	Temperature	0 - 40 °C		
	Humidity	20-80% non-condensing		
	Shock / Vibration	5G (49m/s ²)		



FAL Dimensions



(Unit: mm)

	OW	OH	OL	L	N	W	D	F	M	S	T
PM-FALR5AM8N	40	60	103.2	78.2	30	32.5**	8	5	23	25	2.5
PM-FAL01AM8N			120.2	95.2					35		
PM-FAL015AM8N			140.2	115.2					35		
PM-FAL01AM8N2*			156.6	131.6					35		

Notes

- FAL series does not include keyway

* Includes Static Brake

**Bolt Circle Diameter =46mm

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