

φ25mm

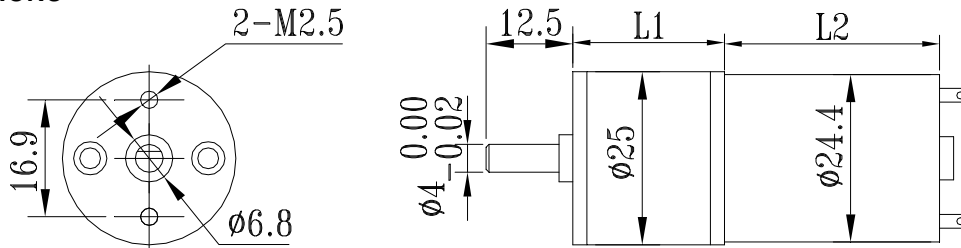
SPUR GEARHEAD (正齿轮箱) w/
25ZYT PM DC Motor (永磁直流马达)



● GEARHEAD SPECIFICATIONS

Gear Ratio			Stage	Eff.	Rated Load	Max. Load	Length
减速比			级数	效率	额定负载	最大负载	长度
1:X			#	%	Kg.cm	Kg.cm	mm
26	34	47	4	66	1.0	3.0	21
60	78	103	5	59	1.5	4.5	23
130	171	227	6	53	2.0	6.0	25
286	378	500	7	48	2.5	7.5	27

● DIMENSIONS



● MOTOR SPECIFICATIONS

Model	Rated	No-load		Rated				Stall	Motor	
	Voltage	Current	Speed	Current	Speed	Torque	Power	Torque	Dia.	Length
	VDC	A	r/min	A	r/min	g.cm	W	g.cm	mm	mm
25ZYT13-03-30	3	0.015	3000	0.065	2400	4.3	0.106	23	24.4	12.5
25ZYT13-03-50	3	0.038	4950	0.128	4050	4.5	0.187	26	24.4	12.5
25ZYT13-03-55	3	0.051	5526	0.189	4263	6	0.262	28	24.4	12.5
25ZYT20-4.5-50	4.5	0.031	5040	0.108	3960	5.76	0.234	27	24.4	20.1
25ZYT20-4.5-65	4.5	0.041	6545	0.164	5114	8.2	0.429	45	24.4	20.1
25ZYT20-4.5-96	4.5	0.09	9600	0.36	8100	10.5	0.873	63	24.4	20.1

● GEARMOTOR SPECIFICATIONS 25JA2.5KxxxG-Motor Model (IN-LB) = 0.867313*X(Kg.cm)

Volt.	Speed	Gear Ratio													
		26	34	47	60	78	103	130	171	227	286	378	500		
12 Vdc	3000	Efficiency %	66	66	66	59	59	59	53	53	53	48	48	48	
		No-load speed (RPM)	115	88	64	50	38.5	29.1	23.1	17.5	13.2	10.5	7.9	6.0	
		Rated speed (RPM)	92	71	51	40	30.8	23.3	18.5	14.0	10.6	8.4	6.3	4.8	
	4500	Rated load (Kg.cm)	0.07	0.10	0.13	0.15	0.20	0.26	0.30	0.39	0.52	0.59	0.78	1.03	
		No-load speed (RPM)	190	146	105	83	63.5	48.1	38.1	28.9	21.8	17.3	13.1	9.9	
		Rated speed (RPM)	156	119	86	68	51.9	39.3	31.2	23.7	17.8	14.2	10.7	8.1	
	6000	Rated load (Kg.cm)	0.08	0.10	0.14	0.16	0.2	0.27	0.31	0.41	0.54	0.62	0.82	1.08	
		No-load speed (RPM)	213	163	118	92	70.9	53.7	42.5	32.3	24.3	19.3	14.6	11.1	
		Rated speed (RPM)	164	125	91	71	54.7	41.4	32.8	24.9	18.8	14.9	11.3	8.5	
	24 Vdc	3000	Rated load (Kg.cm)	0.10	0.13	0.19	0.21	0.3	0.4	0.4	0.5	0.7	1	1	1
			No-load speed (RPM)	194	148	107	84	64.6	48.9	38.8	29.5	22.2	17.6	13.3	10.1
			Rated speed (RPM)	152	116	84	66	50.8	38.4	30.5	23.2	17.4	13.8	10.5	7.9
4500		Rated load (Kg.cm)	0.10	0.13	0.18	0.20	0.3	0.35	0.40	0.52	0.69	0.79	1.05	1.38	
		No-load speed (RPM)	252	193	139	109	83.9	63.5	50.3	38.3	28.8	22.9	17.3	13.1	
		Rated speed (RPM)	197	150	109	85	65.6	49.6	39.3	29.9	22.5	17.9	13.5	10.2	
6000		Rated load (Kg.cm)	0.14	0.18	0.25	0.29	0.4	0.5	0.56	0.74	0.98	1.12	1.48	1.96	
		No-load speed (RPM)	369	282	204	160	123.1	93.2	73.8	56.1	42.3	33.6	25.4	19.2	
		Rated speed (RPM)	312	238	172	135	103.8	78.6	62.3	47.4	35.7	28.3	21.4	16.2	
			Rated load (Kg.cm)	0.18	0.24	0.33	0.37	0.5	0.6	0.7	0.95	1.26	1.44	1.91	2.0