

φ25mm

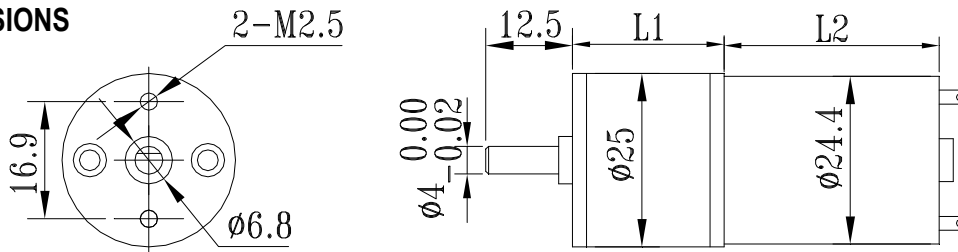
SPUR GEARHEAD (正齿轮箱) w/  
25ZYT PM DC Motor (永磁直流马达)



● 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
25ZYT31-12-37	12	0.018	3700	0.09	3000	20	0.616	125	24.4	30.8
25ZYT31-12-56	12	0.025	5600	0.160	4800	24	1.182	186	24.4	30.8
25ZYT31-12-79	12	0.05	7900	0.220	5400	30	1.662	220	24.4	30.8
25ZYT31-24-39	24	0.01	3900	0.047	3100	19	0.604	110	24.4	30.8
25ZYT31-24-51	24	0.015	5100	0.082	4300	26	1.147	170	24.4	30.8
25ZYT31-24-79	24	0.025	7900	0.110	5400	30	1.662	220	24.4	30.8

● GEARMOTOR SPECIFICATIONS 25JA2.5KxxxG-motor model Y(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)	142	109	79	62	47.4	35.9	28.5	21.6	16.3	12.9	9.8	7.4	
		Rated speed (RPM)	115	88	64	50	38.5	29.1	23.1	17.5	13.2	10.5	7.9	6.0	
	4500	Rated load (Kg.cm)	0.34	0.45	0.62	0.71	0.9	1.2	1.4	1.8	2.0	2.0	2.0	2.0	
		No-load speed (RPM)	215	165	119	93	71.8	54.4	43.1	32.7	24.7	19.6	14.8	11.2	
		Rated speed (RPM)	185	141	102	80	61.5	46.6	36.9	28.1	21.1	16.8	12.7	9.6	
	6000	Rated load (Kg.cm)	0.41	0.54	0.74	0.85	1.1	1.5	1.7	2.0	2.0	2.0	2.0	2.0	
		No-load speed (RPM)	304	232	168	132	101.3	76.7	60.8	46.2	34.8	27.6	20.9	15.8	
		Rated speed (RPM)	208	159	115	90	69.2	52.4	41.5	31.6	23.8	18.9	14.3	10.8	
	24 Vdc	3000	Rated load (Kg.cm)	0.51	0.67	0.93	1.06	1.4	1.8	2.0	2.0	2.0	2.0	2.0	
			No-load speed (RPM)	150	115	83	65	50.0	37.9	30.0	22.8	17.2	13.6	10.3	7.8
			Rated speed (RPM)	119	91	66	52	39.7	30.1	23.8	18.1	13.7	10.8	8.2	6.2
4500		Rated load (Kg.cm)	0.33	0.43	0.59	0.67	0.9	1.2	1.3	1.7	2.0	2.0	2.0	2.0	
		No-load speed (RPM)	196	150	109	85	65.4	49.5	39.2	29.8	22.5	17.8	13.5	10.2	
		Rated speed (RPM)	165	126	91	72	55.1	41.7	33.1	25.1	18.9	15.0	11.4	8.6	
6000		Rated load (Kg.cm)	0.45	0.58	0.81	0.92	1.2	1.6	1.8	2.0	2.0	2.0	2.0	2.0	
		No-load speed (RPM)	304	232	168	132	101.3	76.7	60.8	46.2	34.8	27.6	20.9	15.8	
		Rated speed (RPM)	208	159	115	90	69.2	52.4	41.5	31.6	23.8	18.9	14.3	10.8	
		Rated load (Kg.cm)	0.51	0.67	0.93	1.06	1.4	1.8	2.0	2.0	2.0	2.0	2.0		