

φ27mm

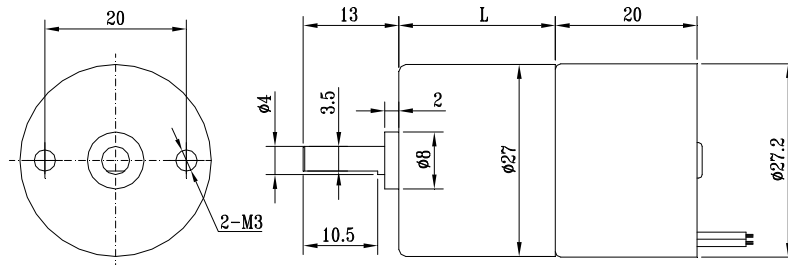
SPUR GEARHEAD (正齿轮箱) w/  
27ZYT PM DC Motor (永磁直流马达)



● 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
30	39	4	66	1.5	4.5	17.1
75	97	5	59	2.0	6	19.6
187	244	6	53	2.5	7.5	22.1
468	610	7	48	2.5	7.5	24.6

● DIMENSIONS



● MOTOR SPECIFICATIONS

Model	Rated	No-load		Rated				Stall	Motor	
	Voltage VDC	Current A	Speed r/min	Current A	Speed r/min	Torque g.cm	Power W	Torque g.cm	Dia. mm	Length mm
27ZYT20-06-27	6	0.01	2700	0.08	2200	10	0.23	25	27.2	20
27ZYT20-06-38	6	0.01	3800	0.13	2850	12	0.35	50	27.2	20
27ZYT20-06-50	6	0.06	5000	0.16	3750	12	0.46	50	27.2	20
27ZYT20-12-27	12	0.01	2700	0.04	2200	10	0.23	290	27.2	20
27ZYT20-12-38	12	0.02	3800	0.06	2850	12	0.4	410	27.2	20
27ZYT20-12-50	12	0.03	5000	0.08	3750	12	0.46	50	27.2	20

● GEARMOTOR SPECIFICATIONS 27JA2.5KxxxG-Motor Model

Y (IN-LB) = 0.867313\*X(Kg.cm)

Volt.	Speed	Gear Ratio									
		30	39	75	97	187	244	468	610		
6 Vdc	2700	Gear Ratio	30	39	75	97	187	244	468	610	
		Efficiency %	66	66	59	59	53	53	48	48	
		No-load speed (RPM)	90	69	36	28	14.4	11.1	5.8	4.4	
	3800	Rated speed (RPM)	73	56	29	23	11.8	9.0	4.7	3.6	
		Rated load (Kg.cm)	0.20	0.26	0.44	0.57	1.0	1.3	2.2	2.5	
		No-load speed (RPM)	127	97	51	39	20.3	15.6	8.1	6.2	
	5000	Rated speed (RPM)	95	73	38	29	15.2	11.7	6.1	4.7	
		Rated load (Kg.cm)	0.24	0.31	0.53	0.69	1.2	1.6	2.5	2.5	
		No-load speed (RPM)	167	128	67	52	26.7	20.5	10.7	8.2	
	24 Vdc	2700	Rated speed (RPM)	125	96	50	39	20.1	15.4	8.0	6.1
			Rated load (Kg.cm)	0.24	0.31	0.53	0.69	1.2	1.6	2.5	2.5
			No-load speed (RPM)	90	69	36	28	14.4	11.1	5.8	4.4
		3800	Rated speed (RPM)	73	56	29	23	11.8	9.0	4.7	3.6
			Rated load (Kg.cm)	0.20	0.26	0.44	0.57	1.0	1.3	2.2	2.5
			No-load speed (RPM)	127	97	51	39	20.3	15.6	8.1	6.2
		5000	Rated speed (RPM)	95	73	38	29	15.2	11.7	6.1	4.7
			Rated load (Kg.cm)	0.24	0.31	0.53	0.69	1.2	1.6	2.5	2.5
			No-load speed (RPM)	167	128	67	52	26.7	20.5	10.7	8.2