

90mm

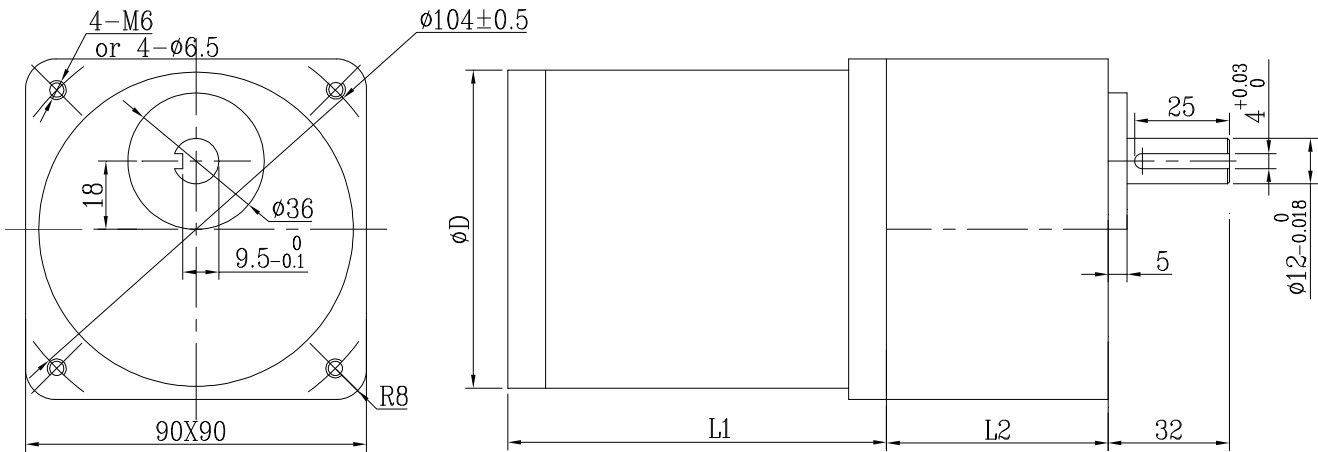
SPUR GEARHEAD (正齿轮箱) w/
80ZYT PM DC Motors (永磁直流流马达)



● 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
3~18	2	81	30	90	42
20~50	3	73	60	180	60
60~200	4	66	100	300	60

● Gearhead Dimensions:



● MOTOR SPECIFICATIONS:

Model	Rated	No-load		Rated				Motor	
	Voltage	Current	Speed	Current	Speed	Torque		Power	
	VDC	A	r/min	A	r/min	N.m	kg.cm	W	
80ZYT097-12-25	12	1.8	2500	5.2	2200	0.142	1.45	32.7	97
80ZYT097-24-25	24	0.9	2500	2.6	2200	0.142	1.45	32.7	97
80ZYT125-12-32	12	2.2	3200	8.8	2600	0.206	2.1	56.0	125
80ZYT125-24-32	24	1.1	3200	4.4	2600	0.206	2.1	56.0	125

● GEARMOTOR SPECIFICATIONS: 90JB100KxxxG/ motor model $Y(IN-LB) = 0.867313 * X(Kg.cm)$

Model	Gear Ratio	Efficiency																								
		3	3.6	5	6	7.5	9	10	12	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	
80ZYT 097-12-25	Speed	RPM	730	511	440	367	290	244	220	170	147	122	110	88	73	61	55	44	37	29	24	22	18	15	12	11
	Rated Load	N.m	1.3	1.4	1.5	1.6	1.8	1.0	1.1	1.4	1.7	1.0	2.08	2.59	3.11	3.74	4.15	5.19	1.6	1.0	8.4	9.4	9.8	9.8	9.8	9.8
80ZYT 097-24-25	Speed	RPM	730	511	440	367	290	244	220	170	147	122	110	88	73	61	55	44	37	29	24	22	18	15	12	11
	Rated Load	N.m	1.3	1.4	1.5	1.6	1.8	1.0	1.1	1.4	1.7	2.1	2.1	2.6	3.1	3.7	4.2	5.2	5.6	7.0	8.4	9.4	9.8	9.8	9.8	9.8
80ZYT 125-12-32	Speed	RPM	367	722	520	430	347	280	260	200	170	144	130	104	87	72	65	52	43	35	29	26	22	17	14	13
	Rated Load	N.m	1.5	1.6	1.8	1.0	1.2	1.5	1.7	2.1	2.5	3.0	3.0	3.8	4.5	5.4	6.0	7.5	8.2	9.8	9.8	9.8	9.8	9.8	9.8	9.8
80ZYT 125-24-32	Speed	RPM	367	722	520	430	347	280	260	200	170	144	130	104	87	72	65	52	43	35	29	26	22	17	14	13
	Rated Load	N.m	1.5	1.6	1.8	1.0	1.2	1.5	1.7	2.1	2.5	3.0	3.0	3.76	4.51	5.41	6.01	7.52	1.1	9.8	9.8	9.8	9.8	9.8	9.8	9.8