

►► ZYT系列永磁直流马达 (ZYT Series PM DC Motor)

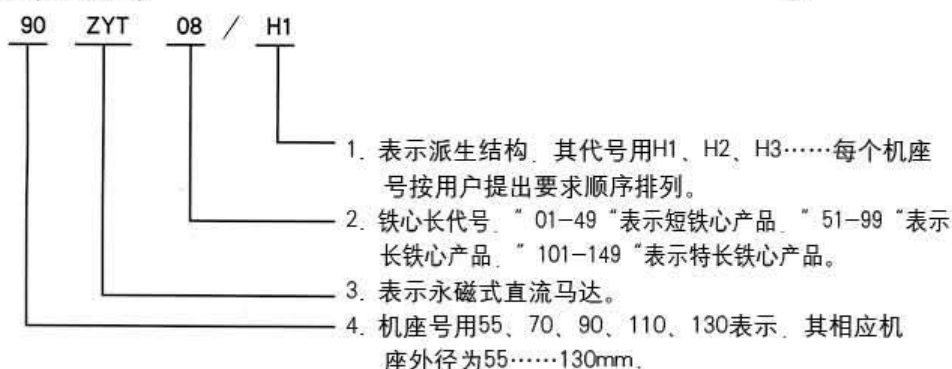
概述 (Summary)

ZYT系列永磁直流马达采用铁氧体永久磁铁激磁,系封闭自冷式。作为小功率直流马达,可在各种装置中用作驱动元件。直流马达同轴可配装编码器、制动器、码盘等。

Series ZYT PM DC Motor is used with Ferrite PM magnet, closure and self-cooling. It is used for driven element in any system.DC Motor can match encoder,EM brake and encoding disk.



型号说明 (Model explanation)



1. H1 refers to derivative structure,its no.is indicated with H1,H2,H3...(for each frame no,arranged as per the sequence of the requirement of customers.)
2. 08 indicate the lamination length no.01-49 refers to short lamination pducts."51-99"refers to long lamination products."101-149"refers to longer lamination products.
3. ZYT indicate PM DC motor.
4. 90 indicate motor frame no.Frame no.is indicated with 55、70、90、110、130, its corresponding frame Dia.is 55、70、90、110、130mm.

安装型式

(Mounting model)

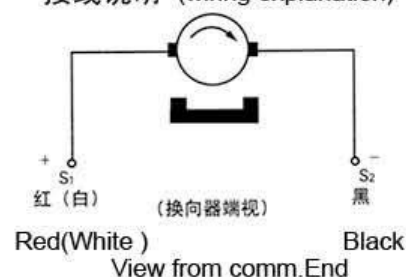
安装结构型式 Mounting model	安装结构型式代号 Mounting model no.		机座号 Frame no.
	单轴伸 Single shaft extension	双轴伸 Double shaft extension	
机壳外圆安装 Housing mounting	A5	AA5	55~130
端盖凸缘安装 Flange mounting	A3	AA3	55~130
底脚安装 Foot mounting	A1	AA1	90~130

使用条件(Usage)

1. 海拔不超过4000m;
2. 环境温度:-25℃~+40℃;
3. 相对湿度:≤95%(+25℃时);
4. 允许温升:不超过75K(海拔为1000m时)。

1. No more than 4000m above sea level;
2. Ambient temperature:-25℃~+40℃;
3. Relative humidity ≤95%:(at +25℃)
4. Temperature Rise permissible: no more than 75K(when 1000m above sea level).

接线说明 (wiring explanation)



技术数据 (Technical data)

型号 Model	转矩 (mN.m) Torque	转速 (r/min) Speed	功率 (W) Power	电压 (V) Voltage	电流(A) 不大于 Current ≤	允许顺逆转速差 (r/min) Speed tolerance	附注 Remark
55ZYT01	63.7	3000	20	24	1.5	200	
55ZYT02	63.7	3000	20	27	1.3	200	
55ZYT03	63.7	3000	20	48	0.7	200	
55ZYT04	63.7	3000	20	110	0.34	200	
55ZYT05	55.7	6000	35	24	2.5	300	
55ZYT06	55.7	6000	35	27	2.2	300	
55ZYT07	55.7	6000	35	48	1.3	300	
55ZYT08	55.7	6000	35	110	0.54	300	
55ZYT09	78	2500	20.4	12	3.2	150	
55ZYT10	63.7	3600	24	110	0.4	200	
55ZYT51	92.3	3000	29	24	2.1	200	
55ZYT52	92.3	3000	29	27	1.8	200	
55ZYT53	92.3	3000	29	48	1.1	200	
55ZYT54	92.3	3000	29	110	0.46	200	
55ZYT55	79.6	6000	50	24	3.45	300	
55ZYT56	79.6	6000	50	27	3.1	300	
55ZYT57	79.6	6000	50	48	1.74	300	
55ZYT58	79.6	6000	50	110	0.74	300	
55ZYT59	85	8000—10000	80	110	1.15	500	
55ZYT61	76.4	5000	40	24	2.5	250	
55ZYT63	127.4	1500	20	24	1.25	100	
55ZYT64	95	3000	30	220	0.25	200	
55ZYT65	89.2	7500	70	110	1.0	400	
55ZYT66	110.8	2500	29	110	0.45	150	
55ZYT68	69.6	5500	40	36	1.7	250	
55ZYT72	95.5	2500	25	24	1.7	150	
55ZYT76	92.3	2000	19	110	0.27	100	
55ZYT105	108.2	7500	85	110	1.2	400	

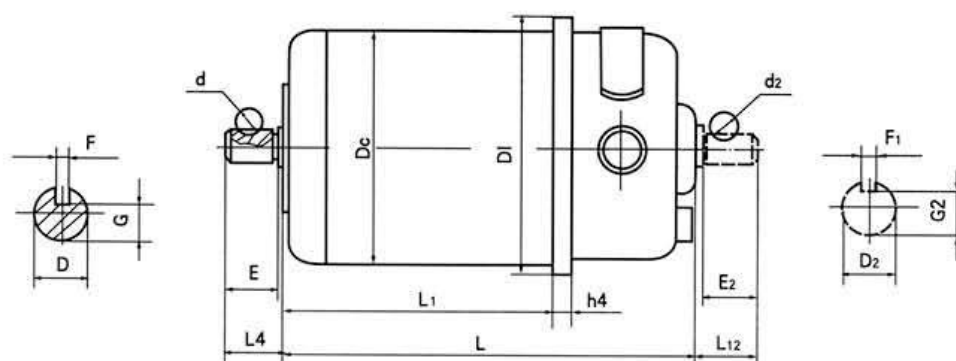
技术数据 (Technical data)

型号 Model	转矩 (mN.m) Torque	转速 (r/min) Speed	功率 (W) Power	电压 (V) Voltage	电流(A) 不大于 Current ≤	允许顺逆转速差 (r/min) Speed tolerance	附注 Remark
70ZYT01	159.2	3000	50	24	3.2	200	
70ZYT02	159.2	3000	50	27	2.9	200	
70ZYT03	159.2	3000	50	48	1.5	200	
70ZYT04	159.2	3000	50	110	0.7	200	
70ZYT05	135.4	6000	85	24	5.2	300	
70ZYT06	135.4	6000	85	27	4.8	300	
70ZYT07	135.4	6000	85	48	2.6	300	
70ZYT08	135.4	6000	85	110	1.1	300	
70ZYT13	151.9	2200	35	90	0.6	150	
70ZYT14	152.9	2500	40	180	0.35	150	
70ZYT16	191	2000	40	24	2.3	100	
70ZYT21	95.5	3000	30	220	0.2	200	
70ZYT51	223	3000	70	24	4.3	200	
70ZYT52	223	3000	70	27	3.8	200	
70ZYT53	223	3000	70	48	2.2	200	
70ZYT54	223	3000	70	110	0.95	200	
70ZYT55	191.1	6000	120	24	7.5	300	
70ZYT56	191.1	6000	120	27	6.6	300	
70ZYT57	191.1	6000	120	48	3.8	300	
70ZYT58	191.1	6000	120	220	0.8	300	
70ZYT59	166.6	7500—9500	148	110	1.95	400	
70ZYT60	238.8	4000	100	110	1.3	200	
70ZYT61	191.1	6000	120	90	1.8	300	
70ZYT76	191.1	2500	50	24	3	150	
70ZYT77	318.5	1500	50	48	1.6	100	
70ZYT80	223	3000	70	80	1.2	200	
90ZYT01	323	1500	50	110	0.66	100	
90ZYT02	323	1500	50	220	0.33	100	
90ZYT03	294	3000	92	110	1.2	200	
90ZYT04	294	3000	92	220	0.6	200	
90ZYT05	294	3000	92	24	6.1	200	
90ZYT51	510	1500	80	110	1.1	100	
90ZYT52	510	1500	80	220	0.55	100	
90ZYT53	480	3000	150	110	2.0	200	
90ZYT54	480	3000	150	220	1.0	200	
90ZYT55	510	1500	80	24	5.0	100	
90ZYT101	796	1500	125	110	1.6	100	
90ZYT102	796	1500	125	220	0.8	100	
90ZYT103	733	3000	230	110	2.8	200	
90ZYT104	733	3000	230	220	1.5	200	
90ZYT105	733	3000	230	24	13.5	200	
90ZYT106	733	1500	125	24	6.5	100	

技术数据 (Technical data)

型号 Model	转矩 (mN.m) Torque	转速 (r/min) Speed	功率 (W) Power	电压 (V) Voltage	电流(A) 不大于 Current ≤	允许顺逆转速差 (r/min) Speed tolerance	附注 Remark
90ZYT107	733	1300	100	36	4	100	
90ZYT108	733	3000	250	48	6.5	200	
110ZYT01	784	1500	123	110	1.8	100	
110ZYT02	784	1500	123	220	0.9	100	
110ZYT03	637	3000	200	110	2.8	200	
110ZYT04	637	3000	200	220	1.4	200	
110ZYT05	637	3000	200	24	13	200	
110ZYT51	1177	1500	185	110	2.5	100	
110ZYT52	1177	1500	185	220	1.25	100	
110ZYT53	980	3000	308	110	4.0	200	
110ZYT54	980	3000	308	220	2.0	200	
110ZYT55	980	3000	308	24	16.5	200	
110ZYT101	1560	1500	245	110	3.0	100	
110ZYT102	1560	1500	245	220	1.5	100	
110ZYT103	1274	3000	400	110	4.8	200	
110ZYT104	1274	3000	400	220	2.4	200	
110ZYT105	1274	3000	400	24	22.5	200	
110ZYT106	1274	1500	245	24	12	100	
110ZYT151	2390	1500	375	110	4.5	100	
110ZYT152	2390	1500	375	220	2.3	100	
110ZYT153	2230	3000	700	110	8.5	200	
110ZYT154	2230	3000	700	220	4.2	200	
110ZYT155	2230	3000	700	24	45	200	
110ZYT156	2230	1500	375	24	22	100	
130ZYT01	2548	1500	400	110	4.8	100	
130ZYT02	2548	1500	400	220	2.4	100	
130ZYT03	2548	3000	800	110	9	200	
130ZYT04	2548	3000	800	220	4.5	200	
130ZYT05	3185	1500	500	24	28	100	
130ZYT51	3185	1500	500	110	5.8	100	
130ZYT52	3185	1500	500	220	2.9	100	
130ZYT53	3185	3000	1000	110	11	200	
130ZYT54	3185	3000	1000	220	5.5	200	
130ZYT55	3185	3000	1000	24	50	200	
130ZYT56	3185	1500	500	24	25	100	
130ZYT101	3822	1500	600	110	7	100	
130ZYT102	3822	1500	600	220	3.5	100	
130ZYT103	3822	3000	1200	110	13	200	
130ZYT104	3822	3000	1200	220	6.5	200	
130ZYT105	3822	3000	1200	24	55	200	
130ZYT106	3822	1500	600	24	30	100	
130ZYT156	4775	1500	750	24	35	100	

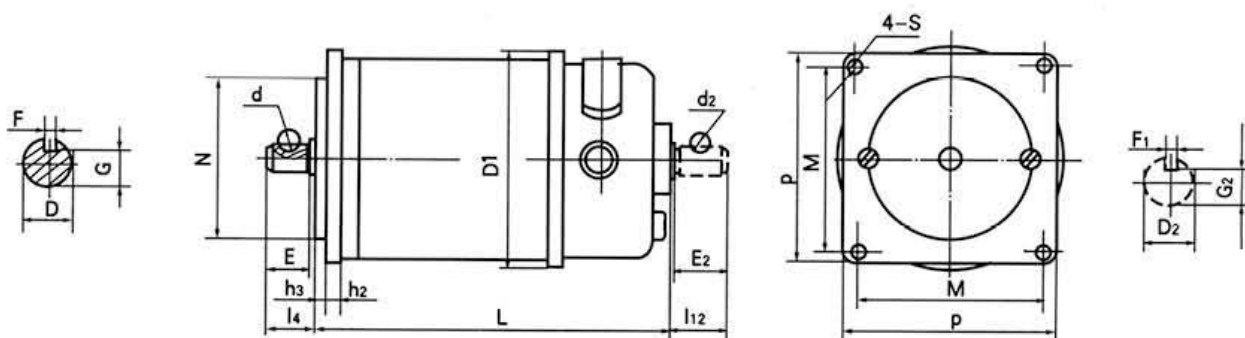
外形及安装尺寸
(Outline & installation size)



安装型式: A5 AA5
(Mounting model)

型号 Model	D_c	D_1	h_4	L_1	L	D	E	L_4	F	G	d	D_2	E_2	L_{12}	F_1	G_2	d_2	重量 (kg) 不大于 The weight is no more than
	—	—	—	—	—	h_6	—	—	$+0.005$ -0.015	(h_{11})	(H_{11})	(h_6)	—	—	$+0.005$ -0.015	(h_{11})	(H_{11})	
55ZYT01~49	55	60	45	59.5	96	5	12	13.5	2	3.3	7	4	12	13.5	光轴	Optical axis	7	0.75
55ZYT51~99				69.5	106													0.9
70ZYT01~49	70	74	5	72	114	6	14	16	2	4.3	7	5	12	13.5	2	3.3	7	1.4
70ZYT51~99				82	124													1.6
90ZYT01~49	90	95	6.5	74.5	127	8	16	18	2	5.2	10	6	14	16	2	4.3	7	2.6
90ZYT51~99				99.5	147													3.3
90ZYT101~149				124.5	172													4.0
110ZYT01~49	110	115	7	97	152	14	20	22	4	11.5	13	8	16	18	2	5.2	10	4.0
110ZYT51~99				117	172													4.7
110ZYT101~149				133	188													5.8
110ZYT151~199				163	218													7.8

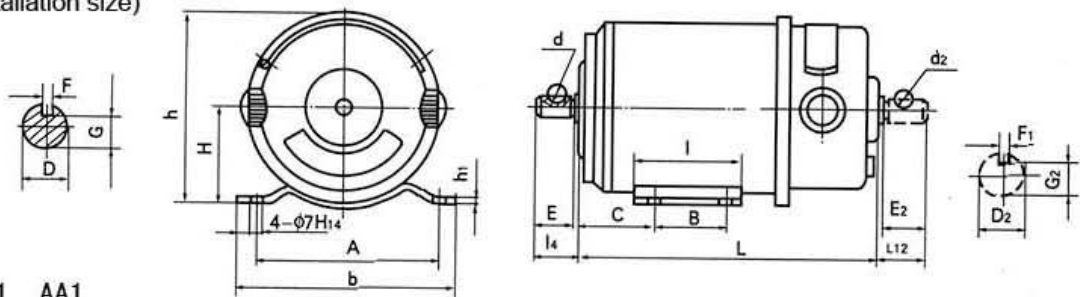
外形及安装尺寸
(Outline & installation size)



安装型式: A3 AA3
(Mounting model)

型号 Model	N	h_2	h_3	M	P	S	D_1	L	D	E	l_4	F	G	d	D_2	E_2	l_{12}	G_2	d_2	重量 (kg) 不大于 The weight is no more than
	(h_7)	—	(h_{12})	(± 0.15)	—	(H_{14})	—	—	(h_6)	—	—		(h_{11})	(h_{11})	(h_6)	—	—	(h_{11})	(H_{11})	
55ZYT01~49	42	4	2.5	48	58	4.5	60	96	5	12	13.5	2	3.3	7	4	12	13.5	光轴 Optical axis		0.75
55ZYT51~99								106												0.9
70ZYT01~49	54	5	3	60	72	5.5	74	114	6	14	16	2	4.3	7	5	12	13.5	3.3	7	1.4
70ZYT51~99								124												1.6
90ZYT01~49								127												2.6
90ZYT51~99	70	6	3	76	92	6.6	95	147	8	16	18	2	5.2	10	6	14	16	4.3	7	3.3
90ZYT101~149								172												4.0
110ZYT01~49								152												4.0
110ZYT51~99	85	7	4	94	112	9	115	172	14	20	22	4	11.5	13	8	16	18	5.2	10	4.7
110ZYT101~149								188												5.8
110ZYT151~199								218												7.8

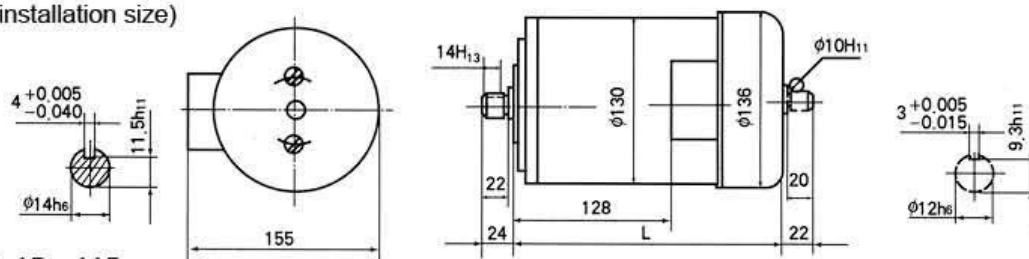
外形及安装尺寸
(Outline & installation size)



安装型式: A1 AA1
(Mounting model)

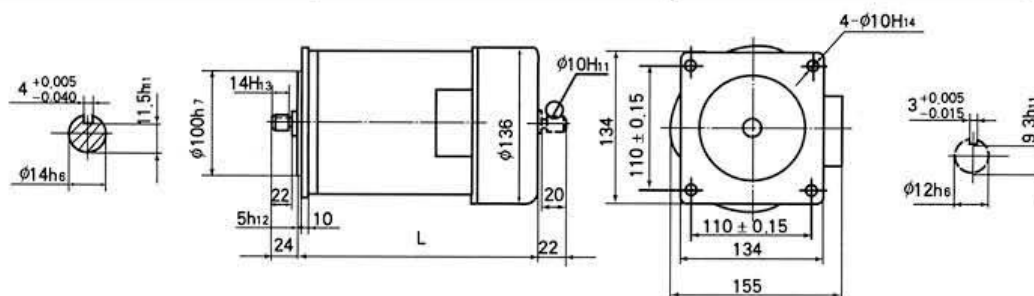
型号 Model	H	h	h_1	A	b	C	B	I	L	D	E	l_4	F	G	d	D_2	E_2	l_{12}	F_1	G_2	d_2	重量 (kg) 不大于 The weight is no more than
	—	—	—	(± 0.25)	—	—	(± 0.25)	—	—	(h_6)	—	—	$+0.005$ -0.015	(h_{11})	(H_{11})	(h_6)	—	—	$+0.005$ -0.015	(h_{11})	(H_{11})	
90ZYT01~49						32			127													2.8
90ZYT51~99	$50_{-0.4}^0$	97.5	3	100	116	40.5	44	64	147	8	16	18	2	5.2	10	6	14	16	2	4.3	7	3.5
90ZYT101~149						49			172													4.2
110ZYT01~49						26			152													4.5
110ZYT51~99	$63_{-0.5}^0$	120.5	4	115	130	34	70	85	172	14	20	22	4	11.5	13	8	16	18	2	5.2	10	5.5
110ZYT101~149						42			188													6.0
110ZYT151~199						57			218													8.0

外形及安装尺寸
(Outline & installation size)



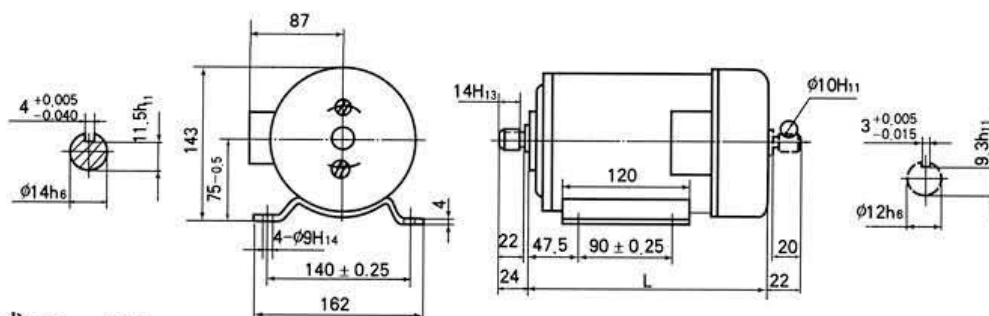
安装型式:A5 AA5
(Mounting model)

型号 Model	L	重量(kg)不大于 The weight is no more than
130ZYT01~49	204	13
130ZYT51~99	224	15
130ZYT101~149	244	17



安装型式:A3 AA3
(Mounting model)

型号 Model	L	重量(kg)不大于 The weight is no more than
130ZYT01~49	204	13
130ZYT51~99	224	15
130ZYT101~149	244	17



安装型式:A1 AA1
(Mounting model)

型号 Model	L	重量(kg)不大于 The weight is no more than
130ZYT01~49	204	13
130ZYT51~99	224	15
130ZYT101~149	244	17