

28PA

PMDC PLANET GEAR MOTOR

28ZYT38

直流行星齿轮减速电机



Motor specifications/马达参数

电机型号 Model #	额定电压 Rated Voltage	空载转速 No-load speed	空载电流 No-load Current	额定转速 Rated speed	额定电流 Rated Current	额定力矩 Rated Torque	堵转电流 Stall Current	堵转力矩 Stall Torque	额定功率 Rated Power
28ZYT38-1240	12V	4000rpm	80mA	3000rpm	300mA	70g.cm	0.87A	245g.cm	2.1W
28ZYT38-1250	12V	5000rpm	100mA	4000rpm	410mA	70g.cm	1.57A	350g.cm	2.9W
28ZYT38-2451	24V	5100rpm	45mA	4170rpm	170mA	60g.cm	0.45A	312g.cm	2.5W
28ZYT38-1278	12V	7800rpm	130mA	6040rpm	820mA	82g.cm	3.14A	358g.cm	5.1W

Gear Motor Technical Data/齿轮减速电机主要参数

28PAXXXG/28ZYT38-1240

Reduction ratio (1:X)	4	5	13	19	27	51	71	100	139	189	264	369	515	720
Stage (#)	1		2			3				4				
No-load Speed (rpm)	1081	769	294	208	149	78	56	40	28	21	15	11	7.7	5.5
Rated Speed (rpm)	810	576	220	156	112	59	42	30	21	16	11	8.1	5.8	4.1
Rated Torque (kg.cm)	0.22	0.31	0.68	0.96	1.3	2.1	3.0	4.2	5.9	6.8	9.6	13	15	15
Max load (kg.cm)	9		15			30				45				
Gear Box Length(mm)	25		32.8			40.5				48.3				

28PAXXXG/28ZYT38-1250

Reduction ratio (1:X)	4	5	13	19	27	51	71	100	139	189	264	369	515	720
Stage (#)	1		2			3				4				
No-load Speed (rpm)	1351	961	367	260	186	98	70	50	36	26	19	13	9.7	6.9
Rated Speed (rpm)	1081	769	294	208	149	78	56	40	28	21	15	11	7.7	5.5
Rated Torque (kg.cm)	0.19	0.26	0.59	0.83	1.1	1.9	2.6	3.6	5.1	6.0	8.2	11	15	15
Max load (kg.cm)	9		15			30				45				
Gear Box Length(mm)	25		32.8			40.5				48.3				

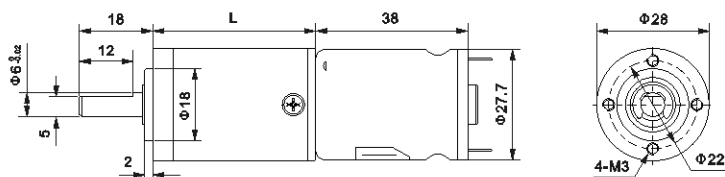
28PAXXXG/28ZYT38-2451

Reduction ratio (1:X)	4	5	13	19	27	51	71	100	139	189	264	369	515	720
Stage (#)	1		2			3				4				
No-load Speed (rpm)	1391	990	378	268	192	101	72	52	37	27	19	14	10	7.2
Rated Speed (rpm)	1127	802	306	217	155	81	58	42	30	22	16	11	8.1	5.8
Rated Torque (kg.cm)	0.24	0.34	0.75	1.1	1.5	2.4	3.3	4.6	6.5	7.5	10	15	15	15
Max load (kg.cm)	9		15			30				45				
Gear Box Length(mm)	25		32.8			40.5				48.3				

28PAXXXG/28ZYT38-1278-ME

Reduction ratio (1:X)	4	5	13	19	27	51	71	100	139	189	264	369	515	720
Stage (#)	1		2			3				4				
No-load Speed (rpm)	2108	1500	573	406	291	153	110	78	56	41	29	21	15	10
Rated Speed (rpm)	1632	1161	444	314	225	118	85	61	43	32	23	16	12	8.4
Rated Torque (kg.cm)	0.26	0.36	0.8	1.1	1.6	2.5	3.5	4.9	6.9	8.1	11	15	15	15
Max load (kg.cm)	9		15			30				45				
Gear Box Length(mm)	25		32.8			40.5				48.3				

Dimensions/外形和安装尺寸



Product Code/型号定义

28	PA	27G	28	ZYT	38	1278	ME
机座号 Frame size 28=Φ28mm	行星齿轮 Planetary	减速比 Gear Ratio 27=27:1	马达直径 Motor size 28=Φ28mm	马达类型 Motor Type	马达长度 Motor Length 38=38mm	电压/转速 Voltage and speed 12=12V; 78=7800rpm	可带编码器 Optional Encoder ME = Magnet Encoder