

36PA

PMDc PLANET GEAR MOTOR

36ZYT57

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
36ZYT57-1236	12V	3600rpm	220mA	3000rpm	917mA	170g.cm	3.7A	890g.cm	5.0W
36ZYT57-2436	24V	3600rpm	120mA	3000rpm	500mA	170g.cm	2.0A	890g.cm	5.0W
36ZYT57-1242	12V	4200rpm	240mA	3600rpm	1040mA	190g.cm	3.0A	680g.cm	7.0W
36ZYT57-2442	24V	4200rpm	120mA	3600rpm	520mA	190g.cm	1.5A	680g.cm	7.0W

## Gear Motor Technical Data/齿轮减速电机主要参数

## 36PAXXXG/36ZYT57-1236

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)	973	692	265	187	134	70	51	36	26	19	13	9.7	7.0	5.0
Rated Speed (rpm)	811	577	221	156	112	59	42	30	21	16	11	8.1	5.8	4.2
Rated Torque (kg.cm)	0.53	0.75	1.7	2.3	3.3	5.3	7.4	10	14	17	23	30	30	30
Max load (kg.cm)	15		30			60				90				
Gear Box Length(mm)	31		38.8			46.5				54.3				

## 36PAXXXG/36ZYT57-2436

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)	973	692	265	187	134	70	51	36	26	19	13	9.7	7.0	5.0
Rated Speed (rpm)	811	577	221	156	112	59	42	30	21	16	11	8.1	5.8	4.2
Rated Torque (kg.cm)	0.53	0.75	1.7	2.3	3.3	5.3	7.4	10	14	17	23	30	30	30
Max load (kg.cm)	15		30			60				90				
Gear Box Length(mm)	31		38.8			46.5				54.3				

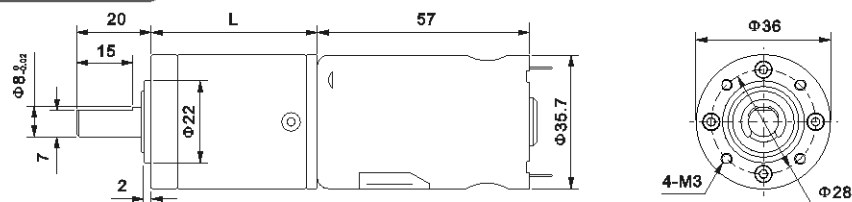
## 36PAXXXG/36ZYT57-1242

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	368	260	186	98	70	50	36	26	19	13	9.7	6.9
Rated Speed (rpm)	1162	827	316	224	160	84	60	43	31	23	16	11	8.3	6.0
Rated Torque (kg.cm)	0.6	0.84	1.8	2.6	3.7	5.9	8.2	11	16	19	26	30	30	30
Max load (kg.cm)	15		30			60				90				
Gear Box Length(mm)	29		36.8			44.5				54.3				

## 36PAXXXG/36ZYT57-2442

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	368	260	186	98	70	50	36	26	19	13	9.7	6.9
Rated Speed (rpm)	1108	788	301	213	153	80	58	41	29	21	15	11	8.0	5.7
Rated Torque (kg.cm)	0.6	0.84	1.8	2.6	3.7	5.9	8.2	11	16	19	26	30	30	30
Max load (kg.cm)	15		30			60				90				
Gear Box Length(mm)	29		36.8			46.5				54.3				

## Dimensions/外形和安装尺寸



## Product Code/型号定义

36	PA	27G	36	ZYT	57	1236	ME
机座号 Frame size 36=Φ36mm	行星齿轮 Planetary	减速比 Gear Ratio 27=27:1	马达直径 Motor size 36=Φ36mm	马达类型 Motor Type	马达长度 Motor Length 57=57mm	电压/转速 Voltage and speed 12=12V; 36=3600rpm	可带编码器 Optional Encoder ME = Magnet Encoder