

32PA

BLDC PLANET GEAR MOTOR

35ZWN25

直流无刷行星齿轮减速电机



## 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
35ZWN25-1226	12V	2600rpm	170mA	1950rpm	320mA	65g.cm	0.77A	260g.cm	1.3W
35ZWN25-1245	12V	4500rpm	250mA	3350rpm	680mA	100g.cm	2.00A	400g.cm	3.4W
35ZWN25-2445	24V	4500rpm	120mA	3350rpm	350mA	100g.cm	1.00A	400g.cm	3.4W

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

## 32PAXXXG/35ZWN25-1226

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)	703	500	191	135	97	51	37	26	19	14	9.8	7.0	5.0	3.6
Rated Speed (rpm)	527	375	143	102	73	38	27	20	14	10	7.4	5.3	3.8	2.7
Rated Torque (kg.cm)	0.20	0.29	0.64	0.90	1.3	2.0	2.8	4.0	5.5	6.4	8.9	12	17	20
Max load (kg.cm)	15		30			45				60				
Gear Box Length(mm)	27		34.8			42.5				50.3				

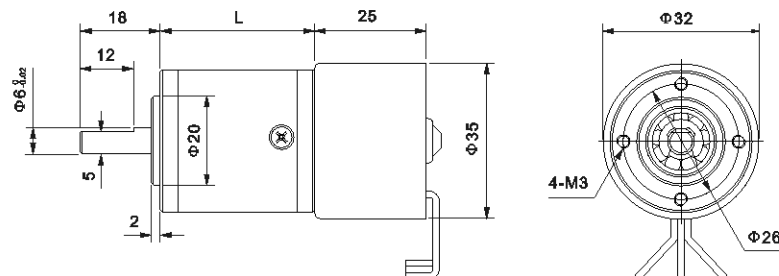
## 32PAXXXG/35ZWN25-1245

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)	1216	865	331	234	168	88	63	45	32	24	17	12	8.7	6.3
Rated Speed (rpm)	905	644	246	174	125	66	47	34	24	18	13	9.1	6.5	4.7
Rated Torque (kg.cm)	0.31	0.44	1.0	1.4	1.9	3.1	4.3	6.1	8.5	9.8	14	19	20	20
Max load (kg.cm)	15		30			45				60				
Gear Box Length(mm)	27		34.8			42.5				50.3				

## 32PAXXXG/35ZWN25-2445

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)	1216	865	331	234	168	88	63	45	32	24	17	12	8.7	6.3
Rated Speed (rpm)	905	644	246	174	125	66	47	34	24	18	13	9.1	6.5	4.7
Rated Torque (kg.cm)	0.31	0.44	1.0	1.4	1.9	3.1	4.3	6.1	8.5	9.8	14	19	20	20
Max load (kg.cm)	15		30			45				60				
Gear Box Length(mm)	27		34.8			42.5				50.3				

## Dimensions/外形和安装尺寸



1. 红色引线: 电源正极/RED: power supply positive terminal
2. 黑色引线: 电源负极/BLACK: power supply negative terminal (GND)
3. 白色引线为正反转控制端。当此脚悬空时, 电机转向为CCW, 当此脚与电源负极连接时, 电机转向为CW。/ WITH: motor rotation direction control terminal. (When terminal is OPEN = CCW; when this terminal is connected to power supply negative (GND) = CW)
4. 电源正负极切勿接错, 否则会损坏机器。正反转控制端切勿与正极发生碰触, 否则会损坏机器。/ When apply power to the motor, do not mis-connect the positive and the negative terminals, which will damage the internal driver. Never connect the rotation direction control terminal to the power supply positive, which will damage the internal driver too.

## Product Code/型号定义

32	PA	27G	35	ZWN	25	1226
机座号 Frame size 32=Φ32mm	行星齿轮 Planetary	减速比 Gear Ratio 27=27:1	马达直径 Motor size 35=Φ35mm	马达类型 Motor Type	马达长度 Motor Length 25=25mm	电压/转速 Voltage and speed 12=12V;26=2600rpm