

## Low Speed 12 volt Electric Motor 12V 6V High Torque DC Reversed Reduction Engine Gear Motor

### Item specifics

Efficiency:IE 2

Continuous Current(A):0.8a

Voltage(V):dc 6V/12v

Torque: 2kg.cm-60kg.cm / 20N.cm-600N.cm

Type:Gear Motor

diameter: 37mm

Construction:Permanent Magnet

Protect Feature: Explosion-proof

Usage:Car,Electric Bicycle

Certification:CE,ROHS

Speed(RPM):

12V: 2080rpm 1300rpm 691rpm 433rpm 232rpm 144rpm 99rpm 77rpm 47rpm 25rpm 16rpm

**Remark:Pls confirm the voltage and speed before ordering.**

### Specifications

#### 1.Standard Operating Conditions

1-1 Rated Voltage: **6V 12V**

1-2 Direction of Rotation: CW when viewed from output shaft side

1-3 Operating Temperature and Humidity: Temperature range of **-10C~+50C**, Humidity range of **30%~80%**.

1-4 Storage Temperature: Temperature range of **-20C~+60C**

#### 2.Measuring Conditions:

2-1 Motor Position: To be placed horizontally when measuring

2-2 Power Supply: Regulated DC power supply

--No load speed: **16-2080rpm**.

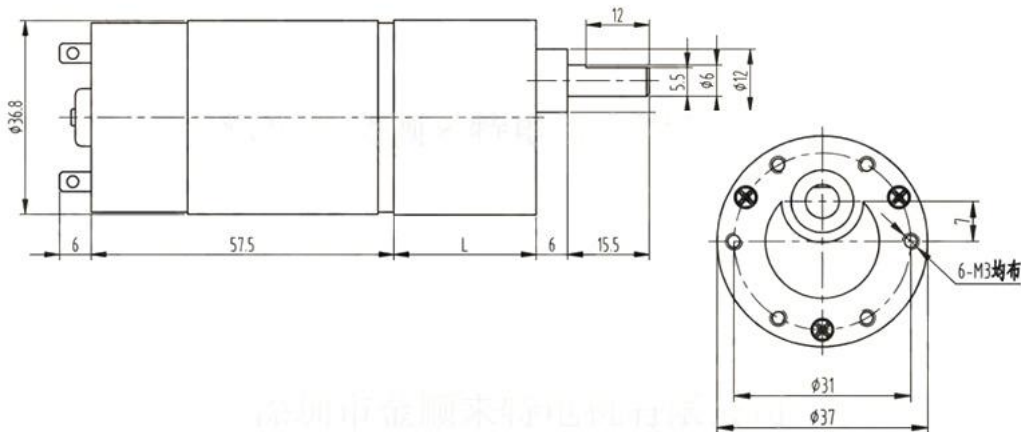
--Robotics, Small Appliance, Fanner, Electric Curtain;

--Medical Pump, Surgery Tools, Medical Stirrer, centrifugal Machine; Electric Valve, Actuator, medical device.

--Electric motor, low noise, low current and no spark.

--Reduction ratio: **1/6,25,1/10,1/18.8,1/30,1/56,1/90,1/131,1/168,1/270,1/506,1/810**.

Size:



**Attention:** The baby is a big torque, high power motor and the starting current is a little large, 6V starting flow is around 3A, 12V starting current is about 6A, the starting current will return to normal 1-2A when starting, so you need select high power supply, 6V need be above 5A while 12v need be above 10A. otherwise it can not start the motor!!

relation about Voltage and speed (rpm)

**Remark:** pls confirm the voltage and no load speed before ordering, 6V' data is the half of 12v's.

型號: JGB37-550			參數表									
型號	電壓		空載		最大效率點				堵轉		減速器	
	Voltage		Noload		At Max. Efficiency				Stall		Speedreducer	
	使用範圍	額定值	轉速	電流	轉速	電流	扭矩	功率	扭矩	電流	減速比	長度
Model	Using	The	Speed	Current	Speed	Current	Torque	Power	Torque	Current	Redction	(L) Size
	Range	Rated	r/min	A	r/min	A	kg. cm	W	kg. cm	A	Ratio	mm
550	6-12V	12v	2080	0.8	1456	3	2	50	8	20	6.25	19
	6-12V	12v	1300	0.8	910	3	3.2	50	13	20	10	19
	6-12V	12v	691	0.8	520	3	6	50	25	20	18.8	22
	6-12V	12v	433	0.8	325	3	9	50	36	20	30	22
	6-12V	12v	232	0.8	175	3	18	50	60	20	56	24
	6-12V	12v	144	0.8	108	3	28	50	禁止	20	90	24
	6-12V	12v	99	0.8	74	3	41	50	禁止	20	131	26.5
	6-12V	12v	77	0.8	58	3	53	50	禁止	20	168	26.5
	6-12V	12v	48	0.8	37	3	60	50	禁止	20	270	26.5
	6-12V	12v	25	0.8	20	3	60	50	禁止	20	506	29
	6-12V	12v	16	0.8	14	3	60	50	禁止	20	810	29

注: 6V使用时参数减半