

**Reduction Motor 15-600rpm Low Noise Gearbox Electric Motor Robot High Torque Low Speed Motor 6v Gear Motor**

**Item specifics**

Efficiency:IE 2  
 Continuous Current(A):0.3a/0.25a  
 Voltage(V):dc 6V  
 Torque: 0.13kg.cm-5kg.cm  
 Type:Gear Motor  
 diameter: 16mm  
 Construction:Permanent Magnet  
 Protect Feature: Explosion-proof  
 Usage:Car,Electric Bicycle  
 Certification:CE,ROHS  
 Speed(RPM):  
 6V: 600rpm 333rpm 214rpm 150rpm 105rpm 75rpm 60rpm 42rpm 30rpm 15rpm

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

**Specifications**

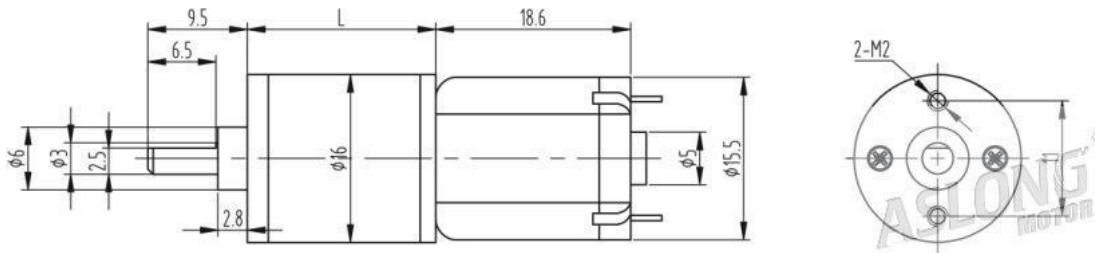
**1.Standard Operating Conditions**

- 1-1 Rated Voltage: **6V**
- 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: **15-600rpm**.
- 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: **1/25,1/45,1/70,1/100,1/142,1/200,1/250,1/355,1/500,1/970**.

**Size:**



**relation about Voltage and speed (rpm)**

Voltage		No Load		Load Torque				Stall			Reducer	Weight
Workable Range	Rated Volt.V	Speed rpm	Current ma	Speed rpm	Current ma	Torque kg.cm	Output W	Torque kg.cm	Current A	Ratio	Size mm	g
3-6V	6	600	80	430	300	0.13	0.6	0.6	1	25	9.5	25
3-6V	6	333	80	233	300	0.2	0.6	1.1	1	45	9.5	25
3-6V	6	214	80	145	300	0.3	0.6	1.75	1	70	11	25
3-6V	6	150	80	105	250	0.5	0.6	2.5	1	100	11	25
3-6V	6	105	80	73	250	0.7	0.6	3.5	1	142	11	25
3-6V	6	75	80	52	250	1	0.6	5	1	200	12.5	25
3-6V	6	60	80	42	250	1.3	0.6	6	1	250	12.5	25
3-6V	6	42	80	29	250	2	0.6	8	1	355	14	25
3-6V	6	30	80	21	250	2.7	0.6	12	1	500	14	25
3-6V	6	15	80	10	250	5	0.6	25	1	970	14	25

