

## DC motor gear motor Motor for intelligent robot

### specifics

Efficiency:IE 2

Continuous Current(A): 0.2a-1.2a

Output Power:4w,8w

Voltage(V):dc 12v 24v

Torque: 1kg.cm-40kg.cm

Type:Gear Motor

diameter: 37mm

Construction:Permanent Magnet

Protect Feature: Explosion-proof

Usage:Car,Electric Bicycle

Certification:CE,ROHS

Speed(RPM):

12V: 1200rpm 750rpm 398rpm 250rpm 133rpm 83rpm 57rpm 45rpm 27rpm 15rpm 9rpm

24V: 880rpm 550rpm 292rpm 183rpm 98rpm 61rpm 42rpm 32rpm 20rpm 10rpm 6rpm

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

### Specifications

#### 1.Standard Operating Conditions

1-1 Rated Voltage: **12V 24V**

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

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

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

#### 2.Measuring Conditions:

2-1Motor Position:To be place t horizontally when measuring

2-2Power Supply: Regulated DC power supply

--No load speed:**6-1200rpm**.

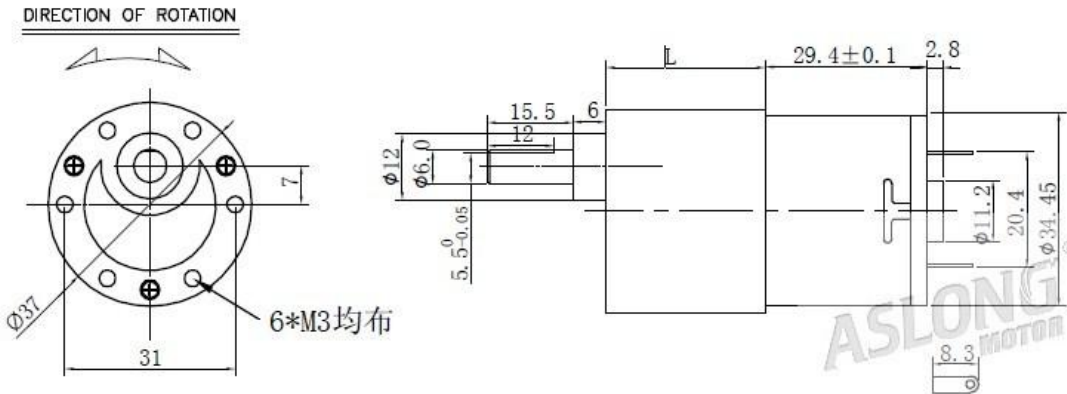
--Robotics, Small Appliance, Fanner, Electric Curtain;

--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:



relation about Voltage and speed (rpm)

item		voltage		no load		rated load				stall		
		ratio	range	test v	speed r/min	current A	speed r/min	current A	torque kg.cm	wattage w	torque kg.cm	current A
JGB37-3429	6.25	6-12	12	1200	0.15	840	0.6	1	8	4		
	10	6-12	12	750	0.15	525	0.6	1.8	8	7	3	19
	19	6-12	12	398	0.15	278	0.55	3	8	12	3	22
	30	6-12	12	250	0.15	175	0.55	5	8	20	3	22
	56	6-12	12	133	0.15	99	0.55	7	8	28	3	24
	90	6-12	12	83	0.15	62	0.55	12	8	48	3	24
	131	6-12	12	57	0.15	42	0.5	18	8	72	3	26.5
	168	6-12	12	45	0.15	33	0.5	25	8	ban	3	26.5
	270	6-12	12	27	0.15	20	0.45	35	8	ban	3	26.5
	506	6-12	12	15	0.15	11	0.45	50	8	ban	3	29
	810	6-12	12	9	0.15	8	0.3	60	8	ban	3	29
	6.25	6-24	24	880	0.04	660	0.23	1	3	1.7	1	19
	10	6-24	24	550	0.04	412	0.23	2	3	2.8	1	19
	19	6-24	24	292	0.04	233	0.2	3.2	3	5.3	1	22
	30	6-24	24	183	0.04	146	0.2	6	3	8.4	1	22
	56	6-24	24	98	0.04	78	0.2	9.5	3	15	1	24
	90	6-24	24	61	0.04	48	0.2	14	3	25	1	24
	131	6-24	24	42	0.04	35	0.2	18	3	36	1	26.5
	168	6-24	24	32	0.04	27	0.18	28	3	47	1	26.5
	270	6-24	24	20	0.04	17	0.18	53	3	ban	1	26.5
506	6-24	24	10	0.04	8.5	0.18	60	3	ban	1	29	
810	6-24	24	6	0.04	5	0.18	60	3	ban	1	29	