

3-12V DC motor gear motor Motor for intelligent robot

specifics

Efficiency:IE 2

Continuous Current(A): 0.2a-1.2a

Output Power:0.2w, 0.7w

Voltage(V):dc 12v 24v

Torque: 17g.cm / 337g.cm

Type:Gear Motor

Construction:Permanent Magnet

Protect Feature: Explosion-proof

Usage:Car,Electric Bicycle

Certification:CE,ROHS

Speed(RPM):

6V: 235rpm 140rpm 70rpm 35rpm 23rpm

12V: 470rpm 280rpm 140rpm 70rpm 47rpm

Remark:Pls confirm the voltage and speed before ordering.

Specifications

1.Standard Operating Conditions

1-1 Rated Voltage: **12V 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: **47-235rpm**.

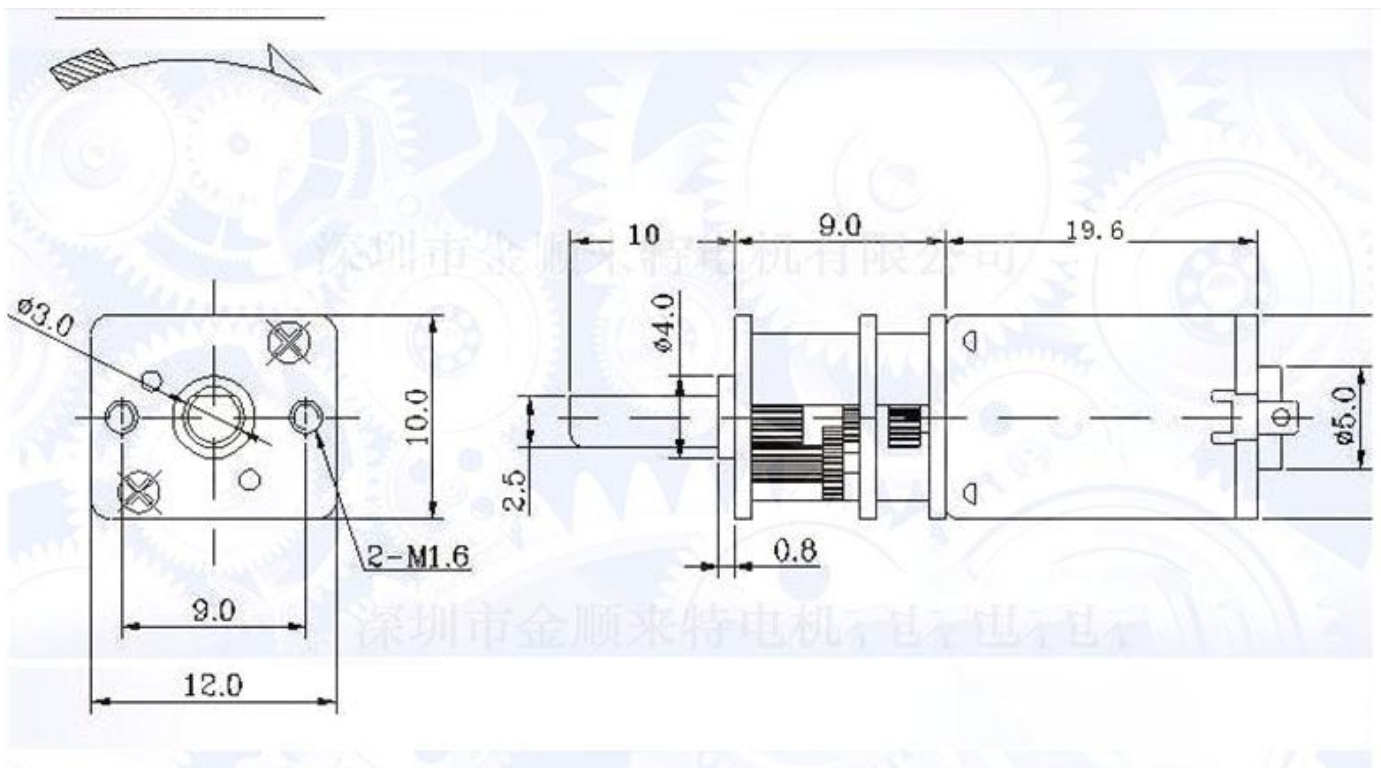
--Robotics, Small Appliance, Fanner, Electric Curtain;

--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)

Spannung

Nulllast

At Max.Efficiency

Stall

| 型号 | 电压 | 无负荷 | | 最大效率点 | | | | 堵转 | |
|---------------|----|-------|----|-------|----|-------|-----|--------|-----|
| | V | 转速 | 电流 | 转速 | 电流 | 转矩 | 功率 | 转矩 | 电流 |
| | | r/min | MA | r/min | MA | g. cm | W | Kg. cm | MA |
| JGA12-N30-30 | 6 | 235 | 13 | 180 | 30 | 17 | 0.2 | 0.09 | 150 |
| JGA12-N30-50 | 6 | 140 | 13 | 100 | 30 | 28 | 0.2 | 0.15 | 150 |
| JGA12-N30-100 | 6 | 70 | 13 | 80 | 30 | 56 | 0.2 | 0.3 | 150 |
| JGA12-N30-200 | 6 | 35 | 13 | 27 | 30 | 113 | 0.2 | 0.6 | 150 |
| JGA12-N30-298 | 6 | 23 | 13 | 18 | 30 | 168 | 0.2 | 0.9 | 150 |
| JGA12-N30-30 | 12 | 470 | 27 | 360 | 57 | 34 | 0.7 | 0.18 | 300 |
| JGA12-N30-50 | 12 | 280 | 27 | 215 | 57 | 56 | 0.7 | 0.3 | 300 |
| JGA12-N30-100 | 12 | 140 | 27 | 100 | 57 | 113 | 0.7 | 0.6 | 300 |
| JGA12-N30-200 | 12 | 70 | 27 | 54 | 57 | 226 | 0.7 | 1.2 | 300 |
| JGA12-N30-298 | 12 | 47 | 27 | 36 | 57 | 337 | 0.7 | 1.8 | 300 |