

DC motor with gearbox GA37RG

Product codes:

Reference: AM1533

EAN13: -

UPC: 84145925

Product features:

Performance: 2 W

Average: 25 mm



Product attributes:

Tension: 12 V DC, 24 V DC

Speed: 10 RPM, 20 RPM, 50 RPM, 100 RPM, 200 RPM, 550 RPM

Product description:

The powerful GA37RG series geared motor is equipped with a planetary gearbox and provides high torque at low speeds. It is ideal for precision motion mechanisms, robotics, sliding systems, home and industrial automation. The 12V or 24V version and six speeds from 10 to 550 RPM allow for precise adjustment to the specific application.

Technical specifications

- Supply voltage: 12V DC or 24V DC (depending on the selected variant)
 - Rotation speed (selected variants): 10 RPM / 20 RPM / 50 RPM / 100 RPM / 200 RPM / 550 RPM (depending on the selected variant)
 - Motor type: DC gear motor
 - Gearbox: Planetary, different gear ratios depending on speed
 - Torque: up to 2 kgf cm (depending on version)
 - Commutation: Brushed
 - Construction: Permanent magnet
 - Motor power: 2W
 - Current consumption: 100 mA (typical, depending on load)
 - Weight: 92g
 - Protection: IP20 (drip-proof)
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- Motor dimensions: 37 mm diameter, body length 29–39 mm depending on gearbox
- Shaft dimensions: Ø 6 mm, length 14 mm

Functions and features

- Strong torque even at very low speeds
- Planetary gearbox for high efficiency and long service life
- Stable operation without vibrations and with minimal noise
- Versatile speed selection options thanks to a wide range of gear ratios
- Quality construction suitable for hobby and professional projects

Ideal for

- Robotics and mechatronics projects
- Linear and sliding mechanisms
- Rotary platforms, servomechanisms and transmission systems
- Automated doors, barriers and locks
- DIY constructions, models and home automation

Package contents

- 1× Gear motor GA37RG

Why choose this product?

- Precise speed selection from 10 to 550 RPM
- Choice between 12V and 24V for compatibility with different systems
- Planetary gearbox ensures smooth and reliable operation
- High torque even at low speeds
- Suitable for precise and demanding motion applications

Parameters

| | | | |
|-----|-------|------|--------|
| 12V | 2.5R | 1750 | 627:1 |
| 12V | 5.5R | 3500 | 627:1 |
| 12V | 11R | 2500 | 244:1 |
| 12V | 14.5R | 3500 | 244:1 |
| 12V | 22R | 5000 | 244:1 |
| 12V | 29R | 5000 | 172:1 |
| 12V | 52R | 5000 | 95:1 |
| 12V | 68R | 5000 | 73.6:1 |
| 12V | 87R | 5000 | 57:1 |
| 12V | 110R | 3500 | 31.6:1 |
| 12V | 135R | 5000 | 37:1 |
| 12V | 158R | 5000 | 31.6:1 |

| | | | |
|-----|-------|------|--------|
| 12V | 205R | 5000 | 24:1 |
| 12V | 260R | 3500 | 13.5:1 |
| 12V | 370R | 5000 | 13.5:1 |
| 12V | 550R | 5000 | 9:1 |
| 12V | 888R | 8000 | 9:1 |
| 24V | 5.5R | 3500 | 627:1 |
| 24V | 12R | 5000 | 401:1 |
| 24V | 14.5R | 3500 | 244:1 |
| 24V | 20R | 5000 | 244:1 |
| 24V | 29R | 5000 | 172:1 |
| 24V | 52R | 5000 | 95:1 |
| 24V | 68R | 5000 | 73.6:1 |
| 24V | 87R | 5000 | 57:1 |
| 24V | 110R | 3500 | 31.6:1 |
| 24V | 135R | 5000 | 37:1 |
| 24V | 158R | 5000 | 31.6:1 |
| 24V | 205R | 5000 | 24:1 |
| 24V | 260R | 3500 | 13.5:1 |
| 24V | 370R | 5000 | 13.5:1 |
| 24V | 550R | 5000 | 9:1 |
| 24V | 888R | 8000 | 9:1 |

Product gallery:

