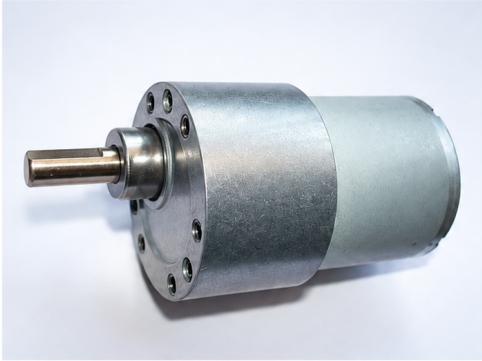


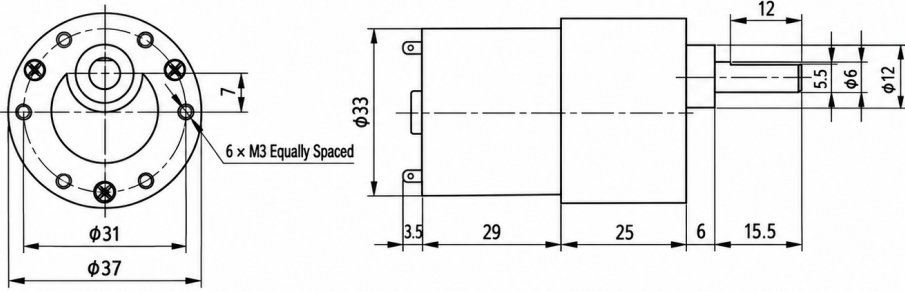
OKD37AG60-24V

24 VDC Geared Motor | 60:1 Gear Ratio | 100 RPM



OKD37AG60-24V

Application	General Purpose Motor
Voltage	24V
Power	2W
Max Output Torque	1.5 kg·cm
Gear Ratio	1:60
L Dimension	25 mm
Approx. Weight	170 g
Speed	100 rpm



Product Overview

The OKD37AG60-24V is a compact DC geared motor intended for general-purpose motion applications. The supplied specification lists a 24 VDC supply, 2 W power, 100 RPM output speed, a 60:1 reduction ratio, and a maximum output torque of 1.5 kg-cm.

Key Parameter	Specification	Key Parameter	Specification
Rated Voltage	24 VDC	Output Speed	100 RPM
Power	2 W	Gear Ratio	60:1
Max. Output Torque	1.5 kg-cm (approx. 0.147 N.m)	Approx. Weight	170 g

1. Technical Specifications

Electrical and performance data

Parameter	Specification
Manufacturer Part Number	OKD37AG60-24V
Motor Type	DC Geared Motor
Rated Voltage	24 VDC
Power	2 W
Output Speed	100 RPM (load condition not specified)
Maximum Output Torque	1.5 kg-cm (approximately 0.147 N.m)
Gear Ratio	60:1

Mechanical dimensions

Parameter	Specification
Motor Body Diameter	33 mm
Motor Body Length	29 mm
Gearbox Length	25 mm
Gearbox Flange Diameter	37 mm
Mounting Hole Pitch Circle Diameter	31 mm
Mounting Holes	6 x M3, equally spaced
Output Shaft Diameter	6 mm
Output Shaft Length	15.5 mm
D-flat Length	12 mm
D-flat Dimension	5.5 mm (flat dimension shown in drawing)
Shaft Hub Length	6 mm
Approximate Weight	170 g

2. Installation and Operation

Before installation

- Check the motor housing, output shaft, mounting flange, and electrical terminals for shipping damage.
- Verify that the available supply is 24 VDC and that the power supply can provide the motor's required current. The rated current and startup/stall current are not provided in the supplied data.
- Confirm that the shaft diameter, shaft length, D-flat, mounting-hole pattern, and available clearance match the application.

Mechanical installation

- Use the six M3 mounting positions shown on the drawing. Ensure the mounting surface is flat and the gearbox flange is fully supported.
- Align the driven component with the output shaft. Avoid applying excessive radial or axial force to the shaft.
- Use a coupling or hub compatible with the 6 mm shaft and 12 mm D-flat. Do not hammer components onto the shaft.
- Prevent screws, brackets, or the driven load from contacting the rotating shaft or housing.

Electrical connection and first test

- Connect the motor to a suitable 24 VDC source using the correct terminals for the actual unit.
- The supplied drawing does not identify terminal polarity or provide a wiring diagram. Confirm the terminal markings or supplier wiring information before powering the motor.
- Run a brief, unloaded test at low risk. Confirm rotation direction, smooth operation, and that the motor and gearbox are securely mounted.
- Disconnect power immediately if there is abnormal noise, binding, excessive heating, smoke, or unexpected vibration.

Operating limits and maintenance

- Do not exceed the specified maximum output torque. The 1.5 kg-cm value is a maximum output torque, not a confirmed continuous rated torque.
- The 100 RPM output speed is reproduced from the supplied product specification; the test load and tolerance are not stated.
- Keep the motor away from conductive debris, liquids, and excessive dust unless the installed environment is separately qualified.
- Periodically inspect mounting screws, the shaft coupling, wiring, and terminals. Disconnect power before inspection or maintenance.

Safety and specification limitations

Warning	Use a current-limited or appropriately protected 24 VDC supply. A stalled DC motor may draw substantially more current than during normal operation.
Not specified	Rated current, stall current, continuous rated torque, duty cycle, operating temperature, IP rating, noise, and terminal polarity were not included in the supplied data. Do not infer these values.

Contact Us

E-mail: support@oyostepper.com

Telephone Number: +86-023-68438829

Official Site: <https://www.oyostepper.com>