

# 36mm Planetary Gearbox Stepper Motor

This 36mm planetary gearbox stepper motor provides precise motion control for various applications. Its compact design balances torque and size, making it suitable for robotics and automation.



## Overview

### High-Precision 36mm Planetary Gear Motor

This 36mm planetary gearbox motor is designed for high-performance industrial applications requiring a balance of compact size and significant torque. It features a permissible load range of 0.3N.m to 3.0N.m, making it ideal for robotics, automation, and precision positioning systems. With multiple reduction ratios and durable construction, it ensures reliable operation in demanding professional environments.

## Key Metrics

### Performance Highlights

**36 mm**

Frame Size

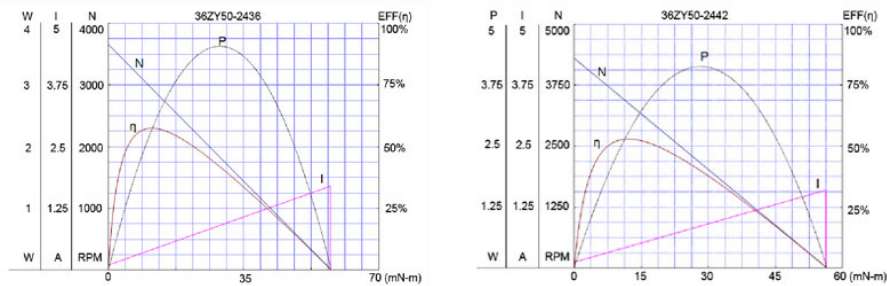
**24 VDC**

Rated Voltage

**3 N.m**

Max Rated Torque

## Motor Base Specifications



Speed, torque, current, and efficiency curves for the 2436 and 2442 motor variants.

### DC Motor Performance Options

Model Type	No-load Speed (r/min)	Rated Torque (mN.m)	Output Power (W)	Rated Current (A)
36ZY50-2436	3600	11	3.4	0.4
36ZY50-2442	4200	12	4.2	0.43

## Gearbox Configuration

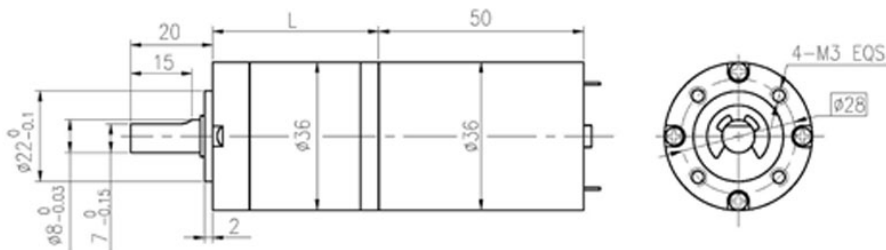
### Available Reduction Ratios

- 3.7
- 5.2
- 14
- 19
- 27
- 51
- 71
- 100
- 139
- 189
- 264
- 369
- 516

### Gear Train Stages

1-Stage, 2-Stage, 3-Stage, 4-Stage

## Mechanical Dimensions



Detailed mechanical dimensions including mounting hole patterns and shaft specifications for the 36JXE30K/36ZY50 series.

### Shaft Characteristics

- D-cut output shaft
- High-precision tolerances
- Durable construction materials

### Body Diameter

36 mm

### Mounting Holes

4-M3 EQS on  $\phi 28$ mm circle

## Operational Limits

### Permissible Load Range

0.3N.m ~ 3.0N.m

### Max Short-time Load

9 N.m