



New 2023



## INTELLIGENT DC SERVO MOTOR

HIGH TORQUE  
STEPPER MOTOR  
AND BLDC MOTOR

SMALL SIZE

HIGH EFFICIENCY

INTEGRATED INTEGRATION

CANopen

EtherCAT

Modbus



CHANGZHOU JKONGMOTOR CO.,LTD  
Changzhou Jingkong Motor Electrical Appliances Co., Ltd

mobile phone: 15995098661 (WeChat account)  
phone: 0519-88372558  
mailbox: sales@jkongmotor.com  
website: www.jkongmotor.com  
address: Building A2, Hutang Science and Technology  
Industrial Park, Wujin District, Changzhou City



CHANGZHOU JKONGMOTOR CO.,LTD

[www.jkongmotor.com](http://www.jkongmotor.com)



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## Company Profile

Changzhou Jkongmotor Co., Ltd., founded in 2011, is a high-tech manufacturer specializing in the production of stepper motors and brushless motors. Currently, it has more than 100 employees and 12 research and development personnel; The factory covers an area of 7000 square meters, and the company is equipped with 5 automatic assembly lines, with an annual production of 2 million motors. And have the ability to design and develop motor drivers, as well as provide industry customized solutions.

Our motors have been exported to more than 30 countries, including the United States, Germany, Russia, Türkiye, Brazil, etc. The company's products have been widely used in textile, packaging, laser, engraving, printing, advertising, clothing, stone, ceramics, medical, robot, AGV, automatic doors and windows and other fields.

The company has passed ISO9001 quality management system certification, ISO14001 environmental management system certification, and various products have RoSH environmental certification. The product is optimized from three stages: design, process, and process control, strictly controlling product quality, and continuously advancing towards the goal of "zero defects".

JKONGMOTOR focuses on the product itself and has created a professional, stable, and experienced technology research and development team by introducing and absorbing advanced foreign technologies. We invest heavily in establishing our own laboratory for product design and requirements, ensuring fast and efficient solutions for our customers.

### Corporate Vision

Becoming a leading brand in the motor industry

### Corporate Guidelines

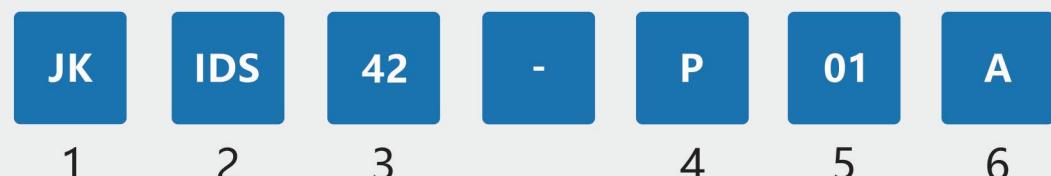
Creating value for customers and providing certain benefits for employees  
Seeking development for enterprises and contributing to society

### Philosophy

Focusing on quality and customer-centric approach

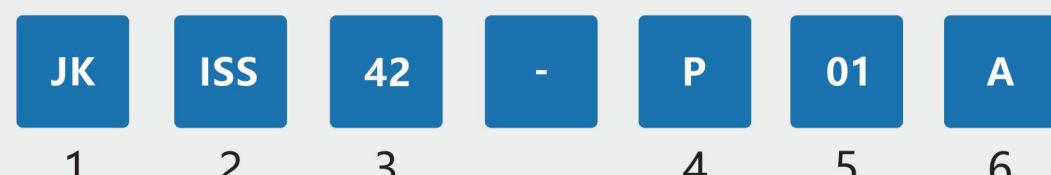


## Model naming rules for Low Voltage integrated dc servo motor



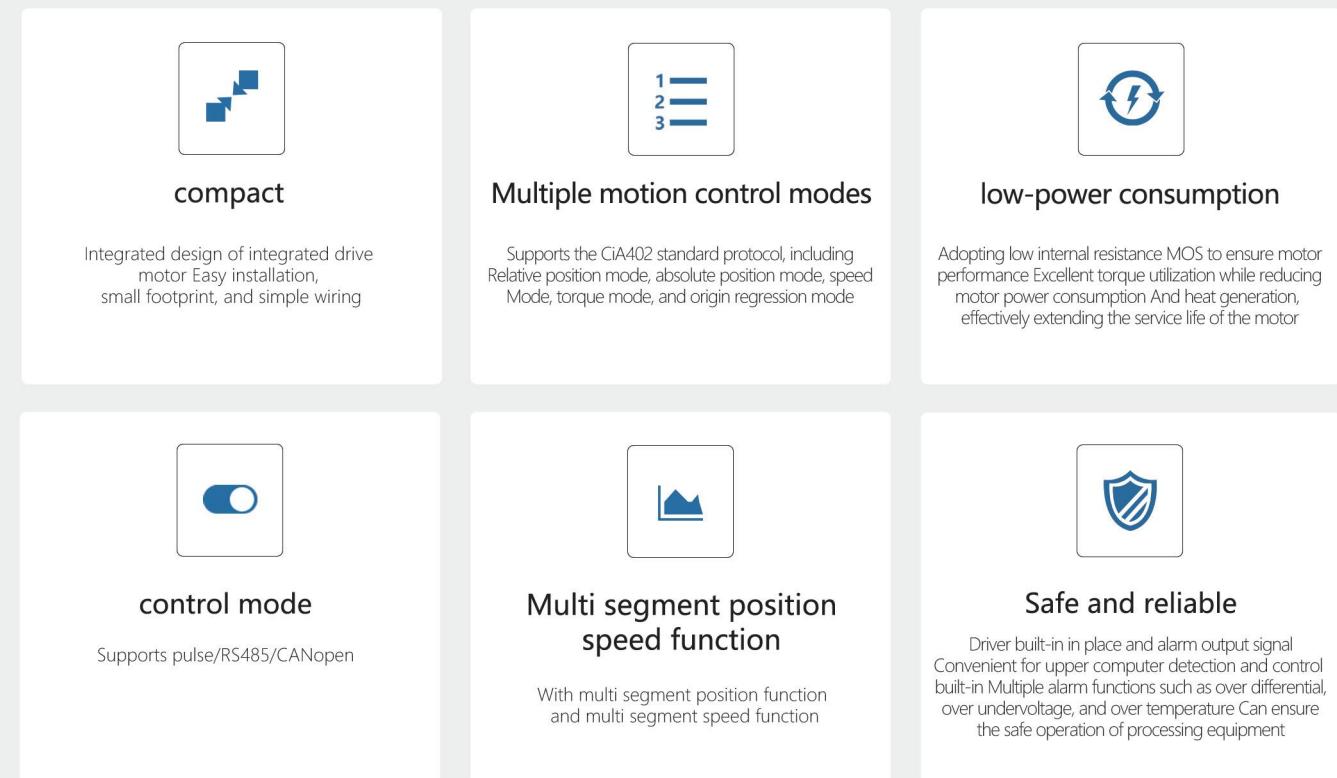
1. Company name abbreviation
2. Product series model, indicating that the motor is an IDS series, referring to the acronym for integrated DC servo
3. Frame number (42/57/60/80), expressed in millimeters by the dimensions of the motor casing and mounting plate
4. Control method optional (P/R/C) P represents pulse, R represents RS485, and C represents CANopen bus
5. The motor model, such as (01/02/03/04/05/06), represents the model of the motor
6. Encoder type: A represents a 17 bit single turn absolute encoder

## Model naming rules for Integrated stepper servo motor



1. Company name abbreviation
2. Product series model, indicating that the motor is an ISS series, referring to the first letter number of the integrated stepper servo
3. The frame number (42/57) refers to the side length dimension of the motor end cover
4. Control method optional (P/R/C) P represents pulse, R represents RS485, and C represents CANopen bus
5. The motor model, such as (01/02/03/04/05/06), represents the model of the motor
6. Encoder type: A represents 1000 lines, B represents 2500 lines, and C represents a 17 bit single turn absolute encoder

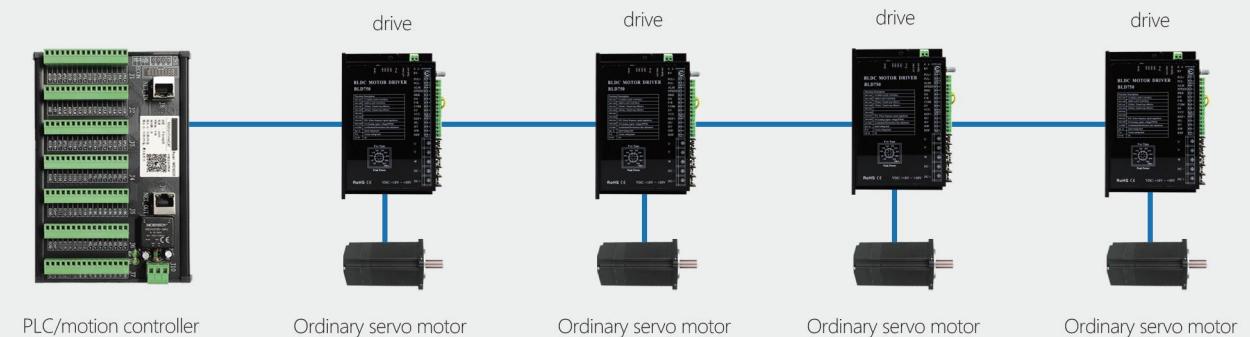
## Characteristics of integrated low voltage DC servo motor



## Integrated solution for precision control motors



## Traditional split solution



## 42mm Square integrated dc servo motor

## Features :

- Adopting a new 32-bit M4+core with 120M or 240M main frequency
- Stable torque characteristics from low to high speeds, with high speed and precision
- Equipped with brake resistor interface to prevent damage to the electromechanical braking system
- Wide speed range, low temperature rise, and high efficiency
- Integrated motor and drive, compact size, simple wiring, and drive Good compatibility with the motor
- Equipped with overcurrent, overvoltage, over temperature, and over differential protection functions
- Configure a 17 bit single turn absolute encoder

## Communication method:

- impulsive
- RS485 Modbus RTU network type
- CANopen network type

## Protection level:

- Waterproof type: IP30, IP54, IP65, optional

## Usage:

- Medical equipment, logistics transportation, industrial automation, textile machinery, laser, drawing, traditional Chinese medicine ingredient industry, etc

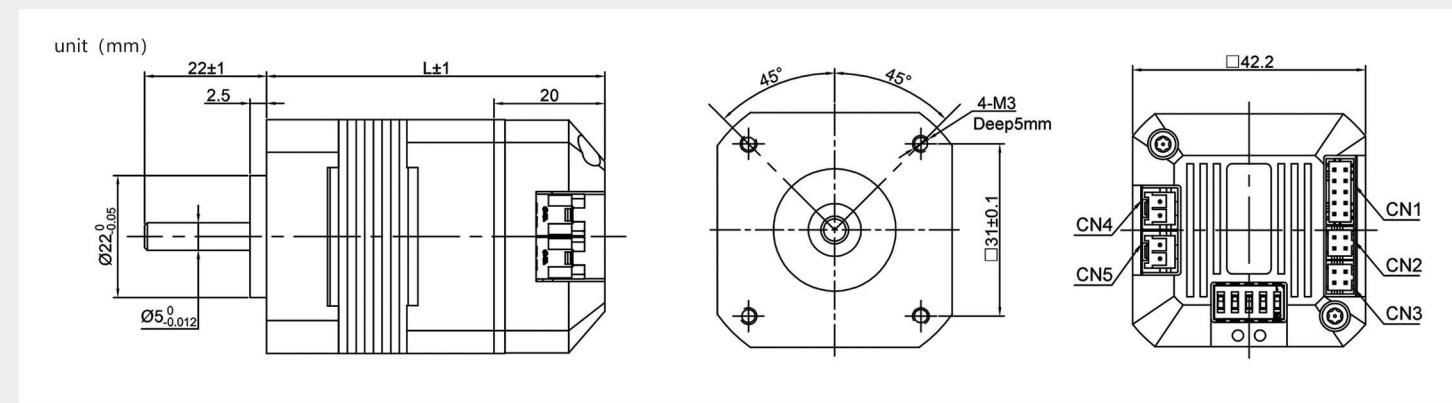


## Product Selection

Model	Power (W)	Rated Voltage (VDC)	Rated Current (A)	Rated Speed (rpm)	Rated Torque (N.m)	Total height L (mm)	Encoder	Control method (optional)	
JKIDS42-P01A	26	24	1.8	4000	0.0625	61	17bit	Pulse	RS485
JKIDS42-P02A	53	24	3.3	4000	0.125	81	17bit	Pulse	RS485
JKIDS42-P03A	78	24	4.5	4000	0.185	101	17bit	Pulse	RS485
JKIDS42-P04A	78	24	4.5	3000	0.25	120	17bit	Pulse	RS485

This is a representative product, and both the output shaft and parameters can be customized. For detailed information, please Email: sales@jkongmotor.com

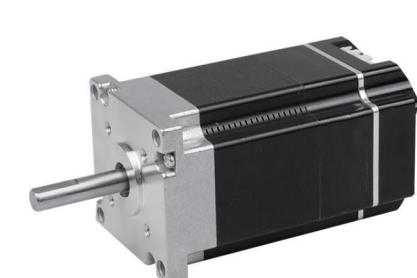
## Product Outline Drawing



## 57mm Square integrated dc servo motor

## Features :

- Adopting a new 32-bit M4+core with 120M or 240M main frequency
- Stable torque characteristics from low to high speeds, with high speed and precision
- Equipped with brake resistor interface to prevent damage to the electromechanical braking system
- Wide speed range, low temperature rise, and high efficiency
- Integrated motor and drive, compact size, simple wiring, and drive Good compatibility with the motor
- Equipped with overcurrent, overvoltage, over temperature, and over differential protection functions
- Configure a 17 bit single turn absolute encoder



## Communication method:

- impulsive
- RS485 Modbus RTU network type
- CANopen network type

## Protection level:

- Waterproof type: IP30, IP54, IP65, optional

## Usage:

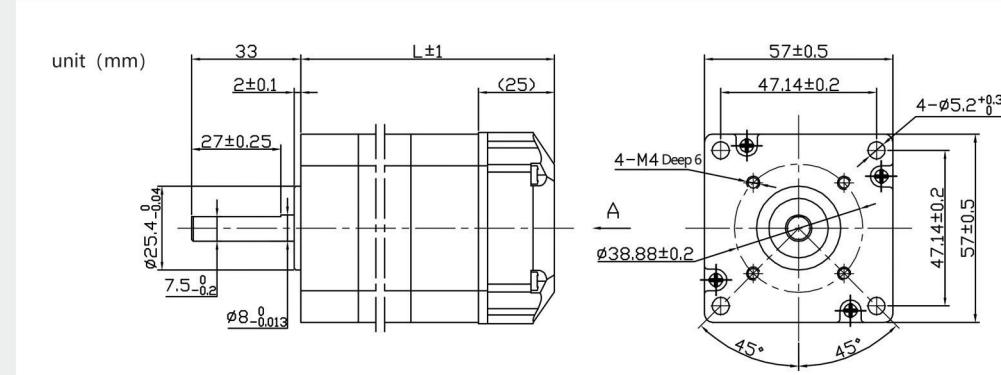
- Medical equipment, logistics transportation, industrial automation, textile machinery, laser, drawing, traditional Chinese medicine ingredient industry, etc

## Product Selection

Model	Power (W)	Rated Voltage (VDC)	Rated Current (A)	Rated Speed (rpm)	Rated Torque (N.m)	Total height L (mm)	Encoder	Control method (optional)	
JKIDS57-P01A	26	24/36	3.5	3000	0.29	101	17bit	pulse	RS485
JKIDS57-P02A	53	24/36	5.4	3000	0.45	121	17bit	pulse	RS485
JKIDS57-P03A	78	36/48	7.5	3000	0.64	141	17bit	pulse	RS485

This is a representative product, and both the output shaft and parameters can be customized. For detailed information, please Email: sales@jkongmotor.com

## Product Outline Drawing



## 60mm Square integrated dc servo motor 200/400W

## Features :

- Adopting a new 32-bit M4+core with 120M or 240M main frequency
- Stable torque characteristics from low to high speeds, with high speed and precision
- Equipped with brake resistor interface to prevent damage to the electromechanical braking system
- Wide speed range, low temperature rise, and high efficiency
- Integrated motor and drive, compact size, simple wiring, and drive Good compatibility with the motor
- Equipped with overcurrent, overvoltage, over temperature, and over differential protection functions
- Configure a 17 bit single turn absolute encoder

## Communication method:

- impulsive
- RS485 MODbus RTU network type
- CANopen network type

## Protection level:

- Waterproof type: IP30, IP54, IP65, optional

## Usage:

- Medical equipment, logistics transportation, industrial automation, textile machinery, laser, drawing, traditional Chinese medicine ingredient industry, etc



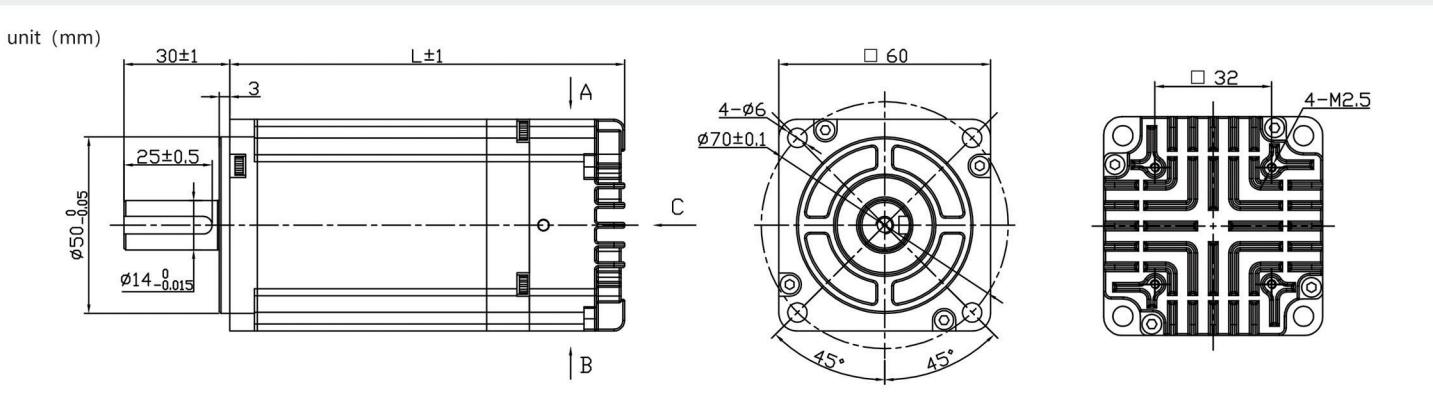
## Product Selection

Model	Power (W)	Rated Voltage (VDC)	Rated Current (A)	Rated Speed (rpm)	Rated Torque (N.m)	Total height L (mm)	Encoder	Control method (optional)		
JKIDS60-P01A	200	24	12	3000	0.64	94	17bit	pulse	RS485	CANopen
JKIDS60-P02A	400	48	11	3000	1.27	112	17bit	pulse	RS485	CANopen

This is a representative product, and both the output shaft and parameters can be customized. For detailed information, please

Email: sales@jkongmotor.com

## Product Outline Drawing



## 80mm Square integrated dc servo motor 750/1000W

## Features :

- Adopting a new 32-bit M4+core with 120M or 240M main frequency
- Stable torque characteristics from low to high speeds, with high speed and precision
- Equipped with brake resistor interface to prevent damage to the electromechanical braking system
- Wide speed range, low temperature rise, and high efficiency
- Integrated motor and drive, compact size, simple wiring, and drive Good compatibility with the motor
- Equipped with overcurrent, overvoltage, over temperature, and over differential protection functions
- Configure a 17 bit single turn absolute encoder

## Communication method:

- impulsive
- RS485 MODbus RTU network type
- CANopen network type

## Protection level:

- Waterproof type: IP30, IP54, IP65, optional

## Usage:

- Medical equipment, logistics transportation, industrial automation, textile machinery, laser, drawing, traditional Chinese medicine ingredient industry, etc



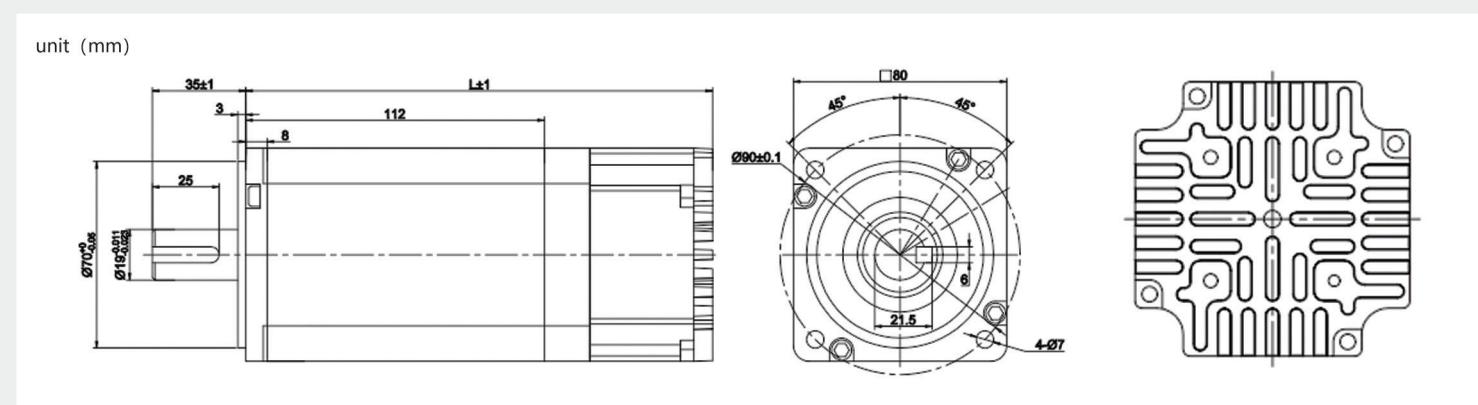
## Product Selection

Model	Power (W)	Rated Voltage (VDC)	Rated Current (A)	Rated Speed (rpm)	Rated Torque (N.m)	Total height L (mm)	Encoder	Control method (optional)		
JKIDS80-P01A	750	48/72	19/12	3000	2.4	155	17bit	pulse	RS485	CANopen
JKIDS80-P02A	1000	72	17	3000	3.2	175	17bit	pulse	RS485	CANopen

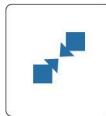
This is a representative product, and both the output shaft and parameters can be customized. For detailed information, please

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## Product Outline Drawing



## Integrated stepper closed-loop servo Motor characteristics



### compact

Integrated design of integrated drive motor. Easy installation, small footprint, and simple wiring



### Multiple motion control modes

Supports the CiA402 standard protocol, including Relative position mode, absolute position mode, Speed mode and origin regression mode



### low-power consumption

Adopting low internal resistance MOS to ensure motor performance. Excellent torque utilization while reducing motor power consumption and heat generation, effectively extending the service life of the motor



### control mode

Supports pulse/RS485/CANopen



### Intelligent adjustment of current

Intelligent adjustment of current to reduce vibration, noise, and heat generation



### Safe and reliable

Driver built-in in place and alarm output signal. Convenient for upper computer detection and control. Built-in multiple alarm functions such as over differential, over undervoltage, and over temperature. Can ensure the safe operation of processing equipment

## Integrated servo motor and Split motor comparison

Motor+driver+encoder in one

### Split set

Complex wiring increases labor costs



### One piece set

Easy wiring and integrated finished product



## 42mm integrated stepper servo motor

### Features :

- Cortex-M4 core high-performance 32-bit microcontroller
- The highest pulse response frequency can reach 200KHz
- Built in protection function, effectively ensuring the safe use of the device
- Intelligent current regulation to reduce vibration, noise, and heat generation
- Adopting low internal resistance MOS, the heating is reduced by 30% compared to ordinary products
- Voltage range: DC12V~36V
- Integrated design with integrated drive motor, easy installation, small footprint, and simple wiring
- Equipped with anti reverse connection function



### Communication method:

- Pulse type
- RS485 Modbus RTU network type
- CANopen network type



### Protection level:

- Waterproof type: IP30, IP54, IP65, optional

### Usage:

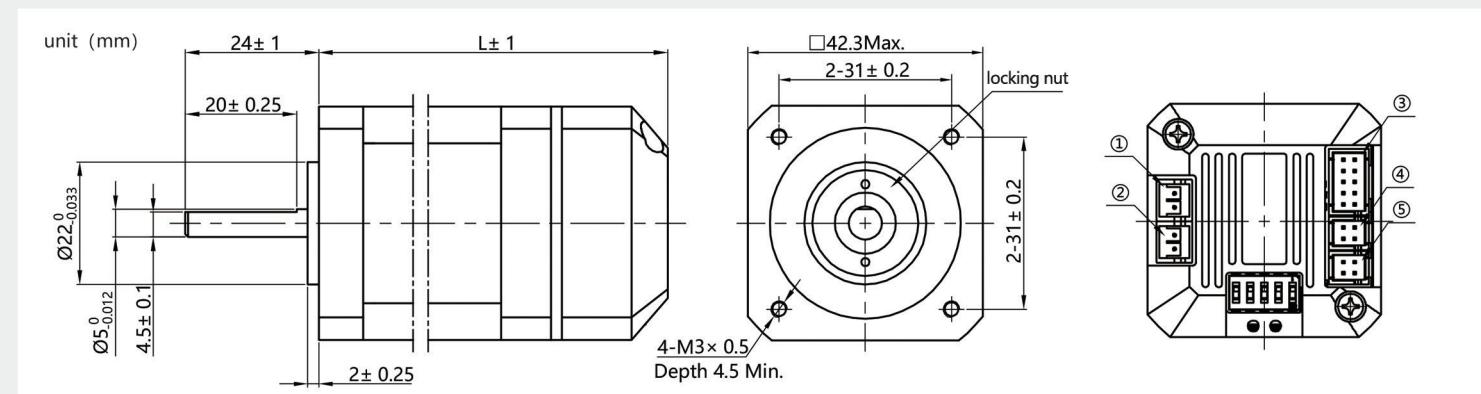
- Medical equipment, logistics transportation, industrial automation, textile machinery, laser, drawing, traditional Chinese medicine ingredient industry, etc

## Product Selection

Model	step Angle (1.8°)	phase Current (A)	Rated Resistance (Ω)	Rated Torque (N.m)	Total body height L (mm)	Encoder	Control method (optional)
JKISS42-P01A	1.8	1.3	2.1	0.22	54	1000ppr/17bit	pulse RS485 CANopen
JKISS42-P02A	1.8	1.68	1.65	0.42	60	1000ppr/17bit	pulse RS485 CANopen
JKISS42-P03A	1.8	1.68	1.65	0.55	68	1000ppr/17bit	pulse RS485 CANopen
JKISS42-P04A	1.8	1.7	3	0.8	80	1000ppr/17bit	pulse RS485 CANopen

This is a representative product, and both the output shaft and parameters can be customized. For more information, please Email:sales@jkongmotor.com

## Product Outline Drawing



## 57mm integrated stepper servo motor

### Features :

- Cortex-M4 core high-performance 32-bit microcontroller
- The highest pulse response frequency can reach 200KHz
- Built in protection function, effectively ensuring the safe use of the device
- Intelligent current regulation to reduce vibration, noise, and heat generation
- Adopting low internal resistance MOS, the heating is reduced by 30% compared to ordinary products
- Voltage range: DC12V~36V
- Integrated design with integrated drive motor, easy installation, small footprint, and simple wiring
- Equipped with anti reverse connection function



### Communication method:

- Pulse type
- RS485 MODbus RTU network type
- CANopen network type



### Protection level:

- Waterproof type: IP30, IP54, IP65, optional

### Usage:

- Medical equipment, logistics transportation, industrial automation, textile machinery, laser, drawing, traditional Chinese medicine ingredient industry, etc

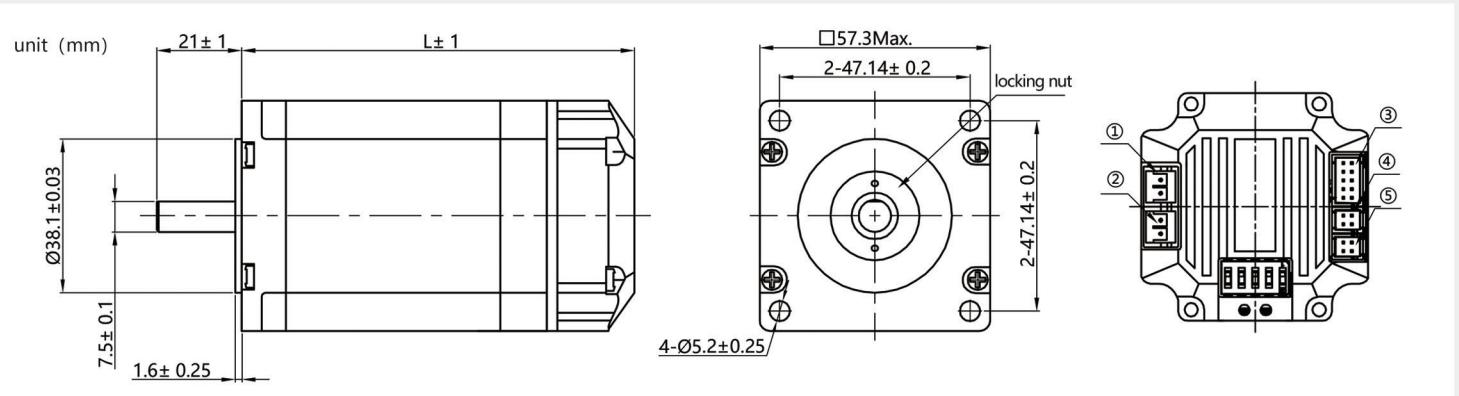
## Product Selection

Model	step Angle (1.8°)	phase Current (A)	Rated Resistance (Ω)	Rated Torque (N.m)	Total body height L (mm)	Encoder	Control method (optional)		
							pulse	RS485	CANopen
JKISS57-P01A	1.8	2	1.4	0.55	65	1000ppr/17bit	pulse	RS485	CANopen
JKISS57-P02A	1.8	2.8	0.9	1.2	80	1000ppr/17bit	pulse	RS485	CANopen
JKISS57-P03A	1.8	2.8	1.1	1.89	100	1000ppr/17bit	pulse	RS485	CANopen
JKISS57-P04A	1.8	3	1.2	2.2	106	1000ppr/17bit	pulse	RS485	CANopen
JKISS57-P05A	1.8	4.2	0.75	2.8	124	1000ppr/17bit	pulse	RS485	CANopen
JKISS57-P06A	1.8	4.2	0.9	3	136	1000ppr/17bit	pulse	RS485	CANopen

This is a representative product, and both the output shaft and parameters can be customized. For more information, please

Email:sales@jkongmotor.com

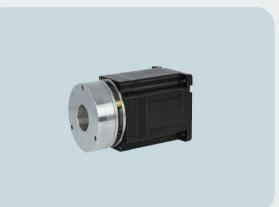
## Product Outline Drawing



## Other products



Stepper motor IP67 type



Stepper motor with brake



Stepper motor with gearbox



linear actuator motor



Brushless motor spindle type



Brushless motor encoder type



Waterproof motor



Closed loop servo type



Hollow shaft kit



outer rotor motor



Built-in fan motor



stepper motor worm gearbox



BLDC motor



integrated dc servo motor with gearbox



integrated dc servo motor with brake



integrated dc servo motor with brake and gearbox



Stepper motor



lead screw stepper motor with encoder



DC brushless driver



stepping motor driver

