

# MSM-400A-01

## SERVO MOTOR

Compact AC servo motor designed for precise motion and reliable machine performance.



**4.45 N·m**  
Maximum Torque



**6,000 rpm**  
Maximum Speed



**17-bit**  
High-Resolution Encoder



**IP67**  
High Protection Level



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## SERVO MOTOR

A compact, high-precision servo motor for reliable machine motion.

### Key Features & Design



#### Precise torque output

Delivers smooth and accurate torque control.



#### High-speed performance

Optimized for fast response and dynamic operation.



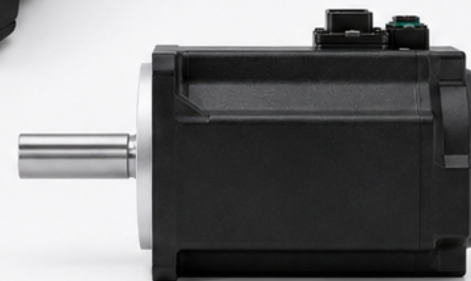
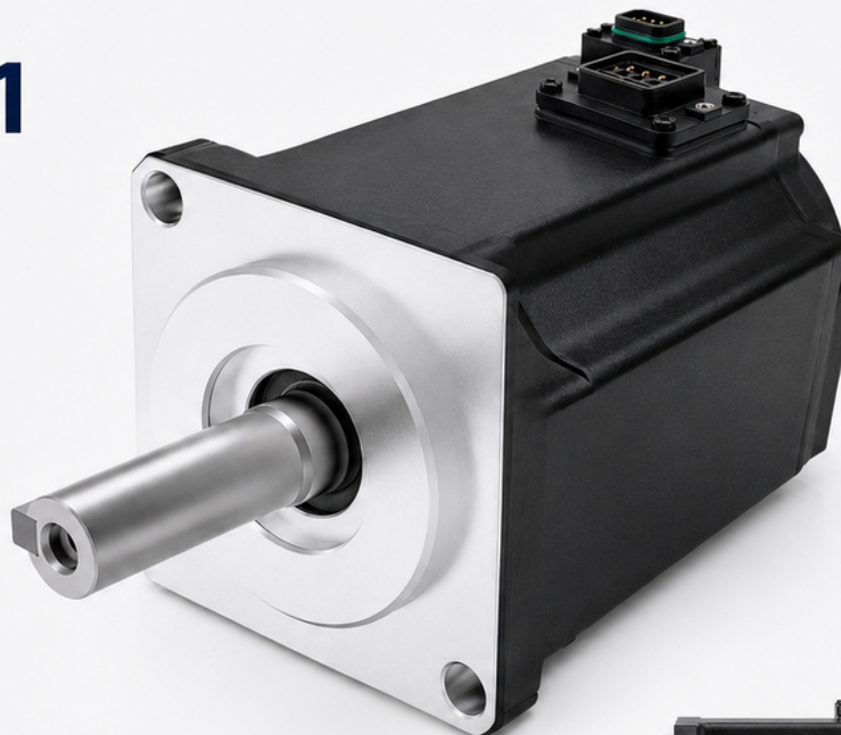
#### 17-bit encoder feedback

High-resolution feedback for precise position and speed control.



#### IP67 protection

Engineered for reliable operation in demanding environments.



### Product Highlights



#### Compact 60 mm flange

Space-saving design for easy integration.



#### Stable 3,000 rpm rated speed

Consistent performance for a wide range of applications.



#### 6,000 rpm maximum speed

Supports high-speed operation for demanding applications.



#### Industrial-grade housing

Durable construction built for long-term reliability.

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### Technical Specifications

|                  |                                                                   |
|------------------|-------------------------------------------------------------------|
| Flange Size      | 60 mm                                                             |
| Rated Power      | 400 W                                                             |
| Rated Torque     | 1.27 N·m                                                          |
| Maximum Torque   | 4.45 N·m                                                          |
| Rated Current    | 2.6 Arms                                                          |
| Rated Speed      | 3,000 rpm                                                         |
| Maximum Speed    | 6,000 rpm                                                         |
| Rotor Inertia    | $0.59 \times 10^{-4} \text{ kg}\cdot\text{m}^2$ (0.60 with brake) |
| Voltage          | 220 V                                                             |
| Protection Level | IP67                                                              |

The MSM-400A-01 is a compact AC servo motor engineered for precise motion control and reliable performance. Its high torque capability and wide speed range deliver responsive operation across demanding applications. Built with a robust IP67 protection level, it is designed to perform consistently in challenging industrial environments.

