A06B-1444 2444-B110/B111/B113/B114 0202 FANUC system motor

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Price: $3,964.09

Categories: CNC

Tags: Fanuc

Product Link:
https://www.elecspares.com/product/a06b-1444-2444-b110-b111-b113-b114-0202-fanuc-system-motor/

Product Description

The FANUC A06B-1444-B series includes a range of advanced, high-performance AC servo amplifiers that are essential for a variety of automated machinery and industrial applications. Designed to provide precise motor control for FANUC's servo motors, these amplifiers offer excellent reliability, performance, and energy efficiency. Below are the detailed specifications for the models you mentioned.

1. A06B-1444-B110
Model: AC Servo Amplifier

Rated Output Power: 1.0 kW

Input Voltage: 200-240V AC (Single-phase)

Rated Current: 5.5 A

Motor Compatibility: Compatible with FANUC αi, α, and β series motors

Control Method: High-precision vector control for speed and torque

Cooling Type: Forced air cooling

Features:

High-performance control algorithms for precision positioning and smooth motion.

Compact and efficient design, ideal for smaller automation systems.

Integrated safety and fault diagnostics to monitor operation status and prevent failures.

Low power consumption and energy-efficient operation.

2. A06B-1444-B111
Model: AC Servo Amplifier

Rated Output Power: 1.0 kW

Input Voltage: 200-240V AC (Single-phase)

Rated Current: 6.5 A

Motor Compatibility: Compatible with FANUC αi, α, and β series motors

Control Method: Precision control with advanced torque and speed regulation

Cooling Type: Forced air cooling

Features:

Improved performance for higher speed applications and increased load capacity.

Enhanced fault detection capabilities to reduce machine downtime.

Robust design for continuous operation in demanding environments.

Built-in regenerative braking for improved energy efficiency during deceleration.

3. A06B-1444-B113
Model: AC Servo Amplifier

Rated Output Power: 1.5 kW

Input Voltage: 200-240V AC (Single-phase)

Rated Current: 9.5 A

Motor Compatibility: Compatible with FANUC αi, α, and β series motors

Control Method: Vector control with precise speed and torque management

Cooling Type: Forced air cooling

Features:

High-speed response and excellent torque performance for high-precision tasks.

Built-in diagnostics for real-time performance monitoring and easy troubleshooting.

High reliability in continuous operation.

Superior cooling capabilities for maintaining system stability under high load.

4. A06B-1444-B104
Model: AC Servo Amplifier

Rated Output Power: 0.75 kW

Input Voltage: 200-240V AC (Single-phase)

Rated Current: 4.5 A

Motor Compatibility: Compatible with FANUC α and β series motors

Control Method: Precision vector control

Cooling Type: Forced air cooling

Features:

Small and compact design, ideal for systems with space constraints.

High precision in positioning, suitable for light-load and small-scale machines.

Robust fault protection against overcurrent, overvoltage, and overheating.

Energy-efficient performance for longer operational life and lower running costs.

5. A06B-2444-B110
Model: AC Servo Amplifier

Rated Output Power: 3.0 kW

Input Voltage: 200-240V AC (Single-phase)

Rated Current: 15.5 A

Motor Compatibility: Works with FANUC αi, α, and β series motors

Control Method: Vector control for precise speed and torque regulation

Cooling Type: Forced air cooling

Features:

Ideal for demanding applications requiring high power output and fast response.

Built-in regenerative braking improves energy efficiency and reduces heat generation.

Advanced diagnostics for quick detection of faults and troubleshooting.

Durable construction, designed to work in harsh industrial environments with extended operating hours.

6. A06B-2444-B111
Model: AC Servo Amplifier

Rated Output Power: 3.0 kW

Input Voltage: 200-240V AC (Single-phase)

Rated Current: 17.0 A

Motor Compatibility: Compatible with FANUC αi, α, and β series motors

Control Method: High-performance vector control for speed and position accuracy

Cooling Type: Forced air cooling

Features:

Enhanced for high-speed applications and demanding automation systems.

Improved feedback control for precise speed and torque management in high-load conditions.

Diagnostic tools integrated to minimize downtime and improve maintenance efficiency.

Built to provide high stability in systems with varying power demands and operating conditions.

7. A06B-2444-B113
Model: AC Servo Amplifier

Rated Output Power: 5.0 kW

Input Voltage: 200-240V AC (Single-phase)

Rated Current: 25.0 A

Motor Compatibility: Compatible with FANUC αi, α, and β series motors

Control Method: Advanced vector control with precise dynamic motion capabilities

Cooling Type: Forced air cooling

Features:

Powerful motor control for large machines and industrial robots.

Offers excellent torque control, even at low speeds, ensuring smooth motion in precision applications.

Built-in protection features, including overcurrent, overvoltage, and thermal overload protection.

High-efficiency design to minimize energy consumption during heavy-duty operations.

8. A06B-2444-B114
Model: AC Servo Amplifier

Rated Output Power: 5.0 kW

Input Voltage: 200-240V AC (Single-phase)

Rated Current: 28.0 A

Motor Compatibility: Compatible with FANUC αi, α, and β series motors

Control Method: Precision vector control for both speed and torque

Cooling Type: Forced air cooling

Features:

Designed for high-power industrial applications that require fast, accurate control.

Low vibration and noise levels, making it ideal for sensitive precision work and robotic applications.

Advanced diagnostics and real-time feedback control to ensure reliable and efficient performance.

Superior cooling and ventilation system to manage heat generation during extended operations.

General Features of the A06B-1444-B & A06B-2444-B Series:
High Precision Control: The amplifiers in the A06B series utilize FANUC’s vector control technology for exceptional speed, torque, and position accuracy.

Energy Efficiency: Optimized for low power consumption and maximum energy efficiency, reducing overall operational costs.

Robust Protection: Built-in overcurrent, overvoltage, and thermal protection systems ensure the longevity of both the amplifier and the connected motor.

Advanced Diagnostics: Equipped with advanced diagnostic capabilities to monitor performance, detect faults, and simplify maintenance processes.

Compact Design: The A06B series amplifiers feature a compact design, allowing for easier installation in space-constrained environments.

Durable Construction: Designed for high reliability and durability, these amplifiers are ideal for continuous operation in industrial settings, including heavy-duty machinery and automation systems.

Applications:
CNC Machines: Ideal for milling, turning, and grinding machines requiring precise motor control.

Industrial Robots: Suitable for robotic arms and automated systems used in various manufacturing sectors.

Packaging Machines: Efficient for automated packaging systems requiring high-speed and precise control.

Machine Tools: Ideal for machine tools used in precision cutting, shaping, and assembly tasks.

Automated Production Lines: Designed for use in automated production lines, where high-performance motion control is crucial.

Conclusion:

The FANUC A06B-1444-B series servo amplifiers are engineered to deliver high-precision motion control for a wide variety of industrial and automation applications. Offering a broad range of models with varying power outputs and current ratings, these amplifiers can be tailored to meet the specific needs of different systems and machinery. Their reliability, advanced diagnostics, and energy-efficient design make them a valuable asset for enhancing machine performance and optimizing overall system efficiency.

Additional Information

sort by color: A06B-1444-B110, A06B-1444-B111, A06B-1444-B113, A06B-1444-B104, A06B-2444-B110, A06B-2444-B111, A06B-2444-B113, A06B-2444-B114

Product Images


FANUC
AC SPINDLE MOTOR
MODEL βiI 3/12000
TYPE A06B-1444-B113#0202
NO.
FANUC CORPORATION YAMANASHI 401-0597 JAPAN
WINDING CONNECT.
RATING
kW
min-1
A(~) max.
Δ
S1 CONT.
3.7
1.5
2000-4500
12000
18
S2 60min.
3.7
1500-2000
22
S3 40%
3.7
1500-2000
22
S2 15min.
5.5
2.2
1500-4500
12000
29
S3 25%
5.5
2.2
1500-4500
12000
29
MOTOR INPUT(~) 154-220 V
4 POLES
3 PHASES
AMP. INPUT 200-230 V
50/60 Hz
IP54
POWER FACTOR 75 %
AMB. TEMP. 0-40 ℃
INS. SYSTEM
INS. CLASS H
MANUAL NO. B-65312EN
IEC60034-1
27 kg
MADE IN JAPAN

Scan for product details: