

FANUC A06B-0186-B675 Manual

Brand	FANUC
Product Series	FANUC
Product Type	3-Phase

Description

The FANUC A06B-0186-B675 is a high-performance motor suitable for industrial applications. It offers a rated power of 3.8 kW with a maximum torque of 30 Nm and operates effectively at a rated speed of 2000 RPM.

Technical specifications for A06B-0186-B675

Manufacturer FANUC

Product Line A06B

Part Number A06B-0186-B675

Weight 77.00 lbs (34.93 kg)

Rated Torque 30 Nm

Rated Speed 2000 RPM

Rated Power 3.8 kW

Voltage 228 V

Frequency 133 Hz

Phase Type 3-Phase

Current 9.8 A

Encoder Type A64

Shaft Type Tapered

Brake Included

Insulation Class F

Protection Class IP67

Cooling Type Air-cooled

Mounting Type Flange mounting (IM B5)

Description

The part number A06B-0186-B675 from FANUC is engineered for demanding environments, providing reliable performance in various industrial applications. It produces a rated power output of 3.8 kW and generates a maximum torque of 30 Nm, making it suitable for tasks requiring significant force. Operating at a rated speed of 2000 RPM, this motor can effectively handle quick movement and acceleration during operations.

This unit is designed to work with a 3-phase electrical system, utilizing a voltage of 228 V and functioning at a frequency of 133 Hz. The current rating is specified at 9.8 A, ensuring efficient energy consumption. For precision, it is fitted with an A64 type encoder, which delivers accurate position and speed feedback essential for automated machinery.

The tapered shaft design allows for various coupling options, enhancing versatility in different setups. A braking system is integrated to provide additional safety and control during operation. With an insulation class of F, the motor is built to withstand higher temperatures, ensuring reliable function over extended periods.

Offering an IP67 protection class rating, the A06B-0186-B675 is safeguarded against dust ingress and can withstand temporary immersion in water, allowing it to perform well in harsh conditions. To maintain optimal operating temperatures, the motor employs

air-cooling technology. The mounting method is flange type (IM B5), allowing for straightforward installation and alignment. The total weight of the motor is 11.2 kg, making it manageable for installation purposes.

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