CIMR-VB4A0007BBA

Industrial automation components

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Manufacturer	Yaskawa
Catalog number	cimr-vb4a0007bba
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Yaskawa
Part Number	CIMR-VB4A0007BBA
Product Type	Compact Vector Control Drive
Series	V1000
Input Voltage	3-phase, 380-480 VAC
Max Motor Capacity	3.0 kW (4 HP)
Rated Output Current	6.9 A
Enclosure Type	IP20/Open-Chassis
Control Type	Vector Control with Open-Loop Operation
Motor Compatibility	Permanent Magnet and Induction Motors
Max Output Frequency	400 Hz

Description

The Yaskawa CIMR-VB4A0007BBA is a compact vector control drive from the V1000 series, designed for general-purpose applications requiring reliable and efficient motor control. This drive operates on a 3-phase, 380-480 VAC power supply, delivering a maximum motor capacity of 3.0 kW (4 HP) and a rated output current of 6.9 A. It features an IP20/Open-Chassis enclosure, suitable for various industrial environments. The CIMR-VB4A0007BBA offers vector control with open-loop operation, making it compatible with permanent magnet and induction motors. Key features include high flux braking for rapid deceleration, online automatic tuning for optimal low-speed motor performance, and safe stop inputs for secure torque removal. The drive supports a maximum output frequency of 400 Hz, providing

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flexibility for diverse applications. Compliance with international standards such as cUL, CE, RoHS, UL, and UKCA ensures its suitability for global markets. The operating temperature range is from -10°C to 50°C, with a maximum humidity of 95% (non-condensing), and it can operate up to an altitude of 1000 meters without derating. The drive's compact dimensions (128 mm height, 108 mm width, 154 mm depth) and lightweight design (1.7 kg) facilitate easy integration into existing systems.