

Yaskawa SGD50AE Manual

Brand	Yaskawa
Product Series	Sheet15
Product Type	Servo Amplifier

Description

The SGD50AE is a servo amplifier designed by Yaskawa in their Sigma II series. Operating at 230 VAC, it provides robust control for industrial applications.

Technical specifications for SGD50AE

Manufacturer Yaskawa

Product Type Servo Amplifier

Product Line Sigma II

Part Number SGD50AE

Weight 15.00 lbs (6.80 kg)

Input Voltage 230 VAC

Input Phase 3 Phase

Input Current 32.8 A

Ambient Temperature 0-55°C

Power Rating 5 kW

Input Frequency 50/60 Hz

Horsepower 6.7 HP

Output Current 32.8 A

Output Voltage 0-230 V

Description

The Yaskawa SGD50AE operates as a powerful servo amplifier, offering significant control capabilities for various applications. Designed to accept an input voltage of 230 VAC, it necessitates a 3-phase connection, allowing for stable operation under heavy loads. The input current rating stands at 32.8 A, which corresponds to the system's robust power handling.

With a power rating of 5 kW, this device achieves a horsepower capacity of 6.7 HP, confirming its suitability for demanding tasks. The amplifier can output current at 32.8 A, with a voltage range from 0 to 230 V, accommodating different motor specifications effectively.

Furthermore, the SGD50AE is engineered to operate in ambient temperatures ranging from 0 to 55°C. It efficiently manages input frequencies of both 50 and 60 Hz, ensuring versatility in global applications. This amplifier balances performance with environmental considerations, making it a reliable option for various operational scenarios.

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