0.4-132kW Variable Frequency Drive

This variable frequency drive provides optimum SVC and V/F control. It is designed for low-power applications requiring stable performance and simplified functions.

ADDITIONAL IMAGES

Overview

Reliable Low-Power Frequency Inverter

The E102-series is a classic-type low-power inverter designed for stable performance using optimum SVC and V/F control. It is engineered to be highly cost-effective by focusing on the most frequently used configurations, reducing resource waste while maintaining high competitiveness. Its compact structure allows for flexible installation via slides or holes, making it an ideal choice for diverse industrial environments.

Technical Performance

Power Range

0.4 kW	132 kW
Min Power	Max Power

Voltage Classes

- Single-phase 220V (50/60Hz)
- Three-phase 220V (50/60Hz)
- Three-phase 380V (50/60Hz)

Control Modes	SVC (Sensorless Vector Control), V/F Control
Output Frequency Range	0-3200Hz

Hardware Configuration

User-friendly control panel featuring a digital display, potentiometer, and multi-functional navigation keys.

Interface & Display

- LED Keyboard (Standard)
- LCD Keyboard (Optional)
- Potentiometer for frequency adjustment

Internal Brake Unit	Standard for 15kW and below; optional for 18.5-22kW models
DC Inductors	Standard for 11kW and 15kW; optional for 18.5-22kW models

Connectivity & Expansion

Comprehensive wiring diagram showing input/output terminals, RS485 interface, and motor connection points.

I/O Terminals

- 6 Digital Inputs (DI1-DI6)
- 2 Analog Inputs (VF1, VF2)
- 2 Analog Outputs (FM1, FM2)
- 1 Multi-functional Open Collector Output (YO)
- 2 Relay Outputs

Communication

RS485 • E102-485 Expansion Card

Applications

Suitable Machinery

- Die-cutting machines
- Carving machines
- Textile machinery
- Glass-making machines
- Dyeing machines
- Air blowers and water pumps

Safety & Compliance

Certifications
CE

Safety Features	Built-in protection functions with 15-minute discharge safety warning