Allen-Bradley Service Manual

150-F108FAD

1. Description

Solid State Controller with IP65 (Type 4/12) enclosure, 108 A, 75 Hp @ 460V AC Controller Rating, and 230V AC, 3-phase, 50 and 60 Hz Input Line

2. Specifications

Specification	Value
Manufacturer	**Allen Bradley**
Category	**Drives**
Product	**Line SMC-Flex**
Part	**Number 150-F108FAD**
Weight	**32.00 lbs (14.51 kg)**
Bulletin	**Number Solid State Controller**
Enclosure	**Type IP65 (Type 4/12)**
Controller	**Rating 108 A, 75 Hp @ 460V AC**
Input	**Line Voltage 230V AC, 3-phase, 50 and 60 Hz**
Control	**Voltage 100-240V AC (5-480 A units)**
Rated	**Voltage 230V AC**

3. Product Information

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Technical specifications for 150-F108FAD

Manufacturer Allen Bradley

Category Drives

Product Line SMC-Flex

Part Number 150-F108FAD

Weight 32.00 lbs (14.51 kg)

Bulletin Number Solid State Controller

Enclosure Type IP65 (Type 4/12)

Controller Rating 108 A, 75 Hp @ 460V AC

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Input Line Voltage 230V AC, 3-phase, 50 and 60 Hz

Control Voltage 100-240V AC (5-480 A units)

Rated Voltage 230V AC

Description

The Allen-Bradley 150-F108FAD is a solid-state controller belonging to the SMC-Flex line of soft starters, including combined and non-combined models. It is used for heavy loads with 7 standard start modes that are used to operate 3-phase induction motors and Wye-Delta motors which have 6 derivations. Each 150-F108FAD unit has 7 start modes and its system is contained in an IP65 housing (type 4/12). It has a 108 amps controller, with a nominal input voltage of 230V AC, three-phase, at 50-60 Hz, 75HP output, and a control voltage of 100-240V AC. The 150-F108FAD's size makes it practical to use and store, automatable, easy to clean, and resistant to shock, vibration, humidity, and magnetic fields. It has a programmable keyboard and LCD screen that make it more practical in the industry. The 150-F108FAD has SCR/Bypass as protection against the recharge of the electronic motor.

The Allen-Bradley 150-F108FAD is extraordinary compared to other motor controllers on the market. If users are looking to operate machinery effectively, this solid-state controller is ideal, because it allows the users to program and control the entire integrated system of an industrial machine, allowing the users to respond quickly and effectively to any event. The 150-F108FAD is also created to offer maximum performance, to allow the control and observation of the entire structure from a single device, and to minimize production costs. It does not emit vapors, it is versatile, and it does not produce sparks or electric arcs, making it the best option for use in environments with flammable or explosive materials. Furthermore, the 150-F108FAD does not emit electromagnetic waves, it does not interfere with other equipment, and its output resistance does not change, regardless of its use.