Allen-Bradley Service Manual

150-F108NBDB

1. Description

150-F108NBDB - SMC-Flex, Solid State Controller, Open, 108 A, 20...75Hp @ 460V AC, Input Volt.: 200...480V, Control Volt.: 100...240V AC, Pump Control Option

2. Specifications

Specification	Value
Manufacturer	**Allen Bradley**
Product	**Type Smart Motor Controller**
Product	**Line SMC-Flex**
Part	**Number 150-F108NBDB**
UPC	**662073059929**
Weight	**30.56 lbs (13.86 kg)**
Current	**Rating 108 A**
Power	**Rating 75 HP**
Line	**Voltage 200 - 460 V AC**
Control	**Voltage 100 - 240 V AC**
Enclosure	**Type Open Construction**
Frequency	**50/60 Hz**

3. Product Information

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The Allen-Bradley 150-F108NBDB Smart Motor Controller comes in an open-type construction style, so special precautions such as installing the device inside an environmentally protected enclosure will guarantee the correct performance of the device and extend its life. Its output rating is 75 Horsepower.

Technical specifications for 150-F108NBDB

Manufacturer Allen Bradley

Product Type Smart Motor Controller

Product Line SMC-Flex

Part Number 150-F108NBDB

UPC 662073059929

www.autronexa.com

Weight 30.56 lbs (13.86 kg)

Current Rating 108 A

Power Rating 75 HP

Line Voltage 200 - 460 V AC

Control Voltage 100 - 240 V AC

Enclosure Type Open Construction

Frequency 50/60 Hz

Description

The 150-F108NBDB Controller is a solid-state Smart Motor Controller (SMC) that has been designed and built by Allen-Bradley. This controller has a current rating of 108 Amps and a power rating of 75 Horsepower, with an input line voltage that can range between 200 and 460 Volts AC. Its control voltage ranges between 100 and 240 Volts AC, therefore, it is able to work with 110 Volts AC or 220 Volts AC rated inputs with no special adaptations required. The 150-F108NBDB Smart Motor Controller comes in an open construction style, so special precautions such as installing the device inside the proper enclosure will guarantee the correct performance of the device and also extend its operating life.

Motor controllers like the Allen-Bradley 150-F108NBDB Smart Motor Controller are the next step in motor control miniaturization, because they are designed for substituting costly electromechanical devices in many applications. The widely-used three-phase squirrel cage motors that are rated at 200 to 460 Volts AC at 50 to 60 Hertz can be controlled by using the 150-F108NBDB Smart Motor Controller. Benefits such as a reduced footprint, inventory simplification, extended operating lifetime, and simplified troubleshooting are some of the advantages of upgrading legacy motor starters with the 150-F108NBDB Smart Motor Controllers. When properly configured, this smart motor controller will save energy since it is designed to optimize power utilization in the motors. The installation and commissioning process of this controller should always be performed by qualified personnel following all the national and local safety standards and regulations to avoid electrical discharges, damage, and injuries.