

VFD-1P-120.208-3P-7.5HP-24A-DCM

7.5HP VFD Phase Converter - 120/208V AC 1PH Input / 230/240V 3PH Output - 24 Amps - 5.5kW

Product ID: 322858



Image: VFD-1P-120.208-3P-7.5HP-24A-DCM

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

VFD-1P-120.208-3P-7.5HP-24A-DCM Variable Frequency Device

Unit Type: 1 Phase Input/3 Phase Output Delta, 3 Wire Variable Frequency Device

Dimensions: 13.34" x 9.09" x 8.42"

Weight: 24.2 lbs

Input Voltage: 1 Phase 120/208V AC

Output Voltage: 3 Phase 230/240V AC

Output Current: 24 Amps

Operating Frequency: 0 to 400 Hz

Kilowatts: 5.5kw

HP: 7.5

Speed Regulation: 1:100

Speed Control Accuracy: $\pm 0.5\%$ of rating synchronous speed

Frequency Resolution: Analog setting: 0.1% of max frequency; Digital setting: 0.01Hz

Frequency Precision: Digital setting: 0.01% max, Analog Setting: Max frequency X 0.2% max

Torque boost: Automatic torque boost; manual torque boost: 0.1%~30.0%

Communication Terminal: RS485 communication interface

Control Mode: V/F Control; Sensorless Vector Control

Overload Capacity: 150% @ 60s, 180% @ 3s

Operating Temp: -10°C to +40°C

Max Operating Humidity: 95% (non condensing)

Materials: -

Mounting: Surface

Color: Gray

Features/Ratings

Automatic Voltage Regulation

LED Display

1 Phase Input/3 Phase Output Delta, 3-Wire Configuration

Automatic Energy Save Running

Automatic Current Limiting

Special Orders - Special Requirements

Contact us for special requirements

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The VFD-1P-120.208-3P-7.5HP-24A-DCM from Larson Electronics is a Single-Phase Input, 3 Phase Output, 3-Wire Configuration Variable Frequency Drive Phase Converter that is suitable for improving AC motor performance in industrial operations. This fan-cooled unit features a 120/208V AC input / 230/240V output voltage comparability. Designed for steady speed error, fast torque rise and protection from resonance vibrations, the device provides an output current of 24 amps and an operating frequency range of 0 to 400 Hz with 7.5 horsepower.

The VFD-1P-120.208-3P-7.5HP-24A-DCM offers accurate AC motor control in industrial facilities. This 5.5kw unit is compatible with single-phase input 120/208V AC and three-phase output 230/240V AC voltage, provides an output current of 24 amps and an operating frequency range of 0 to 400 Hz. This device has a V/F control mode and sensorless vector control mode with an interior PID controlled, automatic energy save running to optimize the V/F curve, an automatic voltage regulator and automatic current limiting.

The VFD-1P-120.208-3P-7.5HP-24A-DCM is designed for indoor applications and operating temperatures ranging between -10°C to +40°C. Operators may mount the VFD phase converter on compatible surfaces. This device measures 13.34" x 9.09" x 8.42" and weighs approximately 24 lbs.

Applications: Speed control of AC motors, industrial machines, large compressors, energy savings and more.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.



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Frequently Asked Questions (FAQ)

There are no Faqs