

VFD-1P-220.240V-3P-1HP-4.7A-DCM-EMC

1HP VFD Phase Converter - 220-240V AC 1PH Input/3PH Output - 4.7 Amps - 0.75kW - w/ EMC Filter

Product ID: 343911

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: VFD-1P-220.240V-3P-1HP-4.7A-DCM-EMC

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-220.240V-3P-1HP-4.7A-DCM-EMC Variable Frequency Device

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

Dimensions: 5.59" x 3.34" x 4.44"

Weight: 4.4 lbs

Input/Output Voltage: 1 Phase 220-240V AC/3 Phase AC 0-Input Voltage

Output Current: 4.7 Amps

Operating Frequency: 0 to 400 Hz

Kilowatts: 0.75kw

HP: 1

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

EMC Filter: Included

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

Operating Temp: -10°C to $+40^{\circ}\text{C}$

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



Max Operating Humidity: 95% (non condensing)
Materials: -
Mounting: Surface
Color: Gray

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
E-mail: sales@larsonelectronics.com

The VFD-1P-220.240V-3P-1HP-4.7A-DCM-EMC 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 220-240V AC input/output voltage comparability. Designed for steady speed error, fast torque rise and protection from resonance vibrations, the device provides an output current of 4.7 amps and an operating frequency range of 0 to 400 Hz with 1 horsepower.

The VFD-1P-220.240V-3P-1HP-4.7A-DCM-EMC offers accurate AC motor control in industrial facilities. This 0.75kw unit is compatible with single-phase input and three-phase output 220-240V AC voltage, provides an output current of 4.7 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-220.240V-3P-1HP-4.7A-DCM-EMC 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 5.59" x 3.34" x 4.44" and weighs approximately 4.4 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.



Frequently Asked Questions (FAQ)

There are no Fags



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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

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- **HigResPic2**(<https://www.larsonelectronics.com/images/product/HigResPic2/343911.JPG>)
- **HigResPic3**(<https://www.larsonelectronics.com/images/product/HigResPic3/343911.JPG>)
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- **HigResPic10**(<https://www.larsonelectronics.com/images/product/HigResPic10/343911.JPG>)
- **Video1**(<https://www.youtube.com/watch?v=FM7BXInKJaY>)
- **Video2**(<https://www.youtube.com/watch?v=M1i0XweKYE0>)
- **ISO 9001 Certification**(<http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF>)
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