

### VFD-3P-575-1HP-0.9A-DCM

**1HP Variable Frequency Device - 575V AC 3PH Input/Output - 0.9 Amp - 0.75kW**

**Product ID: 312483**

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



**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.**

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#### VFD-3P-575-1HP-0.9A-DCM Variable Frequency Device

**Unit Type:** 3 Phase Delta, 3 Wire Variable Frequency Device

**Dimensions:** 11.02" x 7.12" x 7.2"

**Weight:** 14.33 lbs

**Input/Output Voltage:** 575V AC 3PH

**Input Frequency:** 50/60Hz

**Output Current:** 0.9 Amps

**Operating (Output) Frequency:** 0 to 400 Hz

**Kilowatts:** 0.75 kW

**HP:** 1 HP

**Starting Torque:** 1 Hz/150%

**Carrier Frequency:** 1.0-14kHz, Auto Adjusted According to Temperature and Load

**Frequency Accuracy:** Digital Setting: 0.01% (Max), Analog Setting: 0.2% (Max)

**Torque Boost:** Automatic Torque Boost; Manual Torque Boost: 0.1%~30.0%

**Auto Energy Saving Function:** Optimize V/F Curve Automatically Based on the Load to Realize Power Save Running

**Inputs:** FWD/REV Command, 8-channel Programmable Switch Inputs

**Outputs:** Programmable Open Collector, Relay Output, 0~20KHz Pulse Output

**Analog Input/Output:** 2 Input (0~10V or 0/4~20mA), 2 Output (0/4~20mA or 0~10V)

**Communication Terminal:** RS485 Communication Interface

**Overload:** 150% Rated Current @ 60s, 180% Rated Current @ 3s

**Operating Temp:** -10°C to +40°C

**Max Operating Humidity:** 5% to 95% (Non-condensing)

**Materials:** -

**Mounting:** Surface

#### Features/Ratings

Automatic Voltage Regulation

LED Display

3 Phase Delta, 3-Wire Configuration

IP20

#### Special Orders - Special Requirements

Contact us for special requirements

**Toll Free:** 1-800-369-6671

**Intl:** 1-903-270-1187

**Fax:** 1-903-498-3364

Color: Gray

E-mail: [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com)

**The VFD-3P-575-1HP-0.9A-DCM from Larson Electronics is a 3 Phase, 3-Wire Configuration Variable Frequency Drive that is suitable for improving AC motor performance in industrial operations. This constant-torque unit features three-phase 575V 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 0.9 Amps and an operating (output) frequency range of 0 to 400 Hz with 1 horsepower.**

The VFD-3P-575-1HP-0.9A-DCM offers accurate AC motor control in industrial facilities. This 0.75kW unit is compatible with three-phase nominal 575V AC input/output voltage, provides an output current of 1 Amps and an operating frequency range of 0 to 400 Hz. This device supports forward/reverse input commands and 8-channel programmable switch inputs, as well as programmable open collector output, relay output and analog outputs. The device also features the following control functions: modulation mode, control mode, frequency precision, frequency resolution, start frequency, torque boost, adjustable V/F and Acc./Dec. curve, DC breaking, etc.

The VFD-3P-575-1HP-0.9A-DCM is designed for indoor applications and operating temperatures ranging between -10°C to +40°C. Operators may mount the variable frequency drive on compatible surfaces. This device measures 11.02" x 7.12" x 7.2" and weighs approximately 14.33 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](mailto: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)









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