

VFD-1P-200.240V-80A

30HP Variable Frequency Device - 200-240V AC 1PH Input/Output - 80 Amps - IP20

Product ID: 150828

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



Image: VFD-1P-200.240V-80A

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-200.240V-80A Variable Frequency Device

Unit Type: Variable Frequency Device

Dimensions: 9.45" x 16.54" x 9.29"

Weight: 66.14 lbs

Input/Output Voltage: 200-240V AC 1PH

Output Current: 88A @ 200V 1PH, 80A @ 240V 1PH

Output Frequency: 0.1 Hz to 1000 Hz

Kilowatts: 22

HP: 30

Asynchronous Motor Control: Voltage/Frequency Ratio (2 Points/5 Points), Flux Vector Control w/o Sensor - Standard, Voltage/Frequency Ratio - Energy Saving, Quadratic, U/f

Synchronous Motor Control Profile: Vector Control w/o Sensor - Standard

Communication Port Protocol: CANopen, Modbus

Analog Inputs: (2) AI2 Software-configurable

Analog Output: (1) AO1 Software-configurable Current

Discrete Input/Output: (7) Input, (2) Output

Operating Temp: -10°C to 50°C

Materials: -

Mounting: Surface

Connectors: (2) RJ45 Modbus (Front, Terminal), Male SUB-D 9 on RJ45 CANopen

Features/Ratings

IP20

Heat Sink

Special Orders - Special Requirements

Contact us for special requirements

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Made in the USA

The Larson Electronics VFD-1P-200.240V-80A Variable Frequency Drive is suitable for improving AC motor performance in industrial operations. This 30HP unit features single phase 200-240V AC input/output voltage compatibility. The IP20-rated device provides an output current of 88 amps @ 200V (80 amps @ 240V). The variable frequency device is ideal for industrial pumps, ventilation machines and air volume systems.

The VFD-1P-200.240V-80A offers accurate AC motor control in industrial facilities. This unit is compatible with single phase 200-240V AC input/output voltage. Designed for steady speed error, fast torque rise and protection from resonance vibrations, the device provides an output current of 88 amps @ 200V (80 amps @ 240V) and an operating frequency range of 0.1 to 1,000 Hz.

This 30-horsepower unit comes with a total of two, analog inputs and one, analog output, as well as seven, discrete inputs and two, discrete outputs. Communication port protocols include CANopen and Modbus.

The 22kW variable frequency drive is designed for indoor applications and operating temperatures ranging between -10°C to +50°C. Operators may mount the variable frequency drive on compatible surfaces. The variable frequency device features two, RJ45 Modbus ports at the front and terminal and one male SUB-D 9 on RJ45 CANopen. This device measures 9.45" x 16.54" x 9.29" and weighs 66.14 lbs.

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

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Frequently Asked Questions (FAQ)

There are no Faqs



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Links (Click on the below items to view):

- **Operations Manual**(<https://www.larsonelectronics.com/images/product/Manual/150828.PDF>)
- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/150828.JPG>)
- **ISO 9001 Certification**(<http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF>)
- **Business Certificate**(<https://www.larsonelectronics.com/images/pdfdocs/w9.PDF>)
- **Shipping Time Map**(<https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf>)