

EXP-VFD-1P-110.120-1HP-16A-DCM

1HP Explosion Proof Variable Frequency Device - 100-120V AC 1PH Input/Output - 16 Amps

Product ID: 265414

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



Image: EXP-VFD-1P-110.120-1HP-16A-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.

EXP-VFD-1P-110.120-1HP-16A-DCM Explosion Proof Variable Frequency Device

Unit Type: 1 Phase Input / 1 Phase Output Variable Frequency Device

Dimensions: 16.38" x 22.38" x 9.06"

Weight: -

Input/Output Voltage: 100-120 V AC, 1PH

Kilowatts: 0.75 kW

Output Current: 16 Amps

Input Frequency: 48 to 63 Hz

Output Frequency: 0 to 400 Hz

HP: 4

Motor Control: IC+IGBT

Materials: Copper-free Aluminum

Mounting: Surface

Color: Gray

Features/Ratings

Class I, Divisions 1 & 2

Class II, Divisions 1 & 2

Automatic Voltage Regulation

PLC Multi-step Speed Control

Special Orders - Special Requirements

Contact us for special requirements

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The EXP-VFD-1P-110.120-1HP-16A-DCM from Larson Electronics is an Explosion Proof Single-Phase Input, Single-Phase Output Variable Frequency Drive that is suitable for improving AC motor performance in industrial operations. This unit features single-phase 100-120 V AC input/output voltage. The 1 HP device supports PLC multi-step

speed control.

The EXP-VFD-1P-110.120-1HP-16A-DCM offers accurate AC motor control in hazardous locations and industrial facilities. This unit is compatible with single-phase 100-120 V AC input/output voltage. Input frequency range includes 48 to 63 Hz and output frequency ranges between 0 to 400 Hz. Designed for steady speed error, fast torque rise and protection from resonance vibrations, the 1 HP device provides an output current of 16 amps.

This explosion proof VFD is protected by a copper-free aluminum housing. The unit is rated for use in Class I, Divisions 1 & 2 and Class II, Divisions 1 & 2 hazardous locations, making it ideal for indoor or outdoor applications where flammable vapors, gases or dust exist or stand the potential to exist.

Mounting: Operators may mount the explosion proof VFD phase converter on compatible surfaces.

Applications: Speed control of AC motors, industrial machines, large compressors, energy savings and more within Class I & II, Divisions 1 & 2 hazardous locations.

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 Faqs



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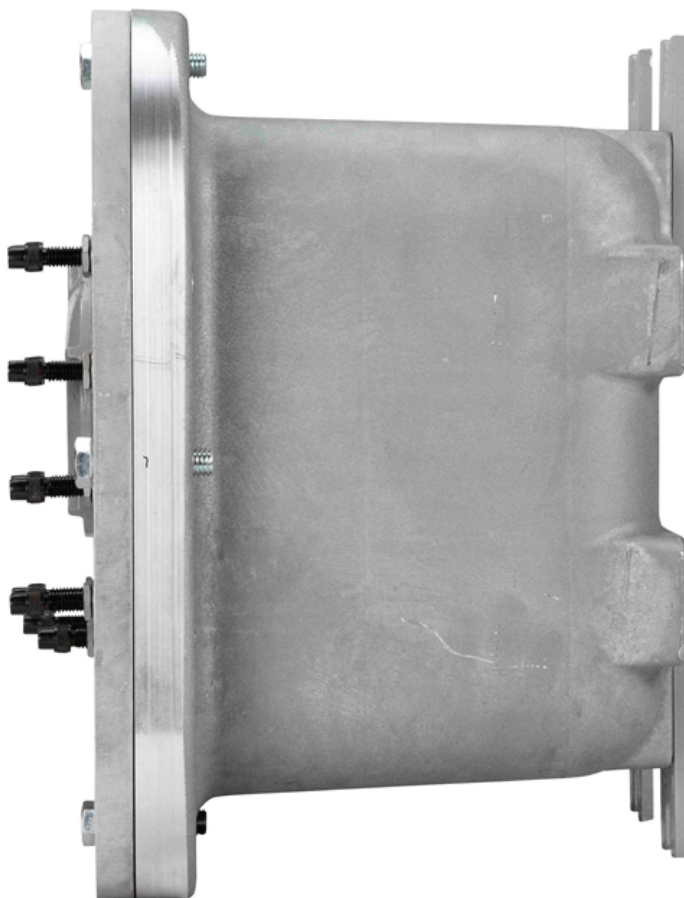


Image: EXP-VFD-1P-110.120-1HP-16A-DCM

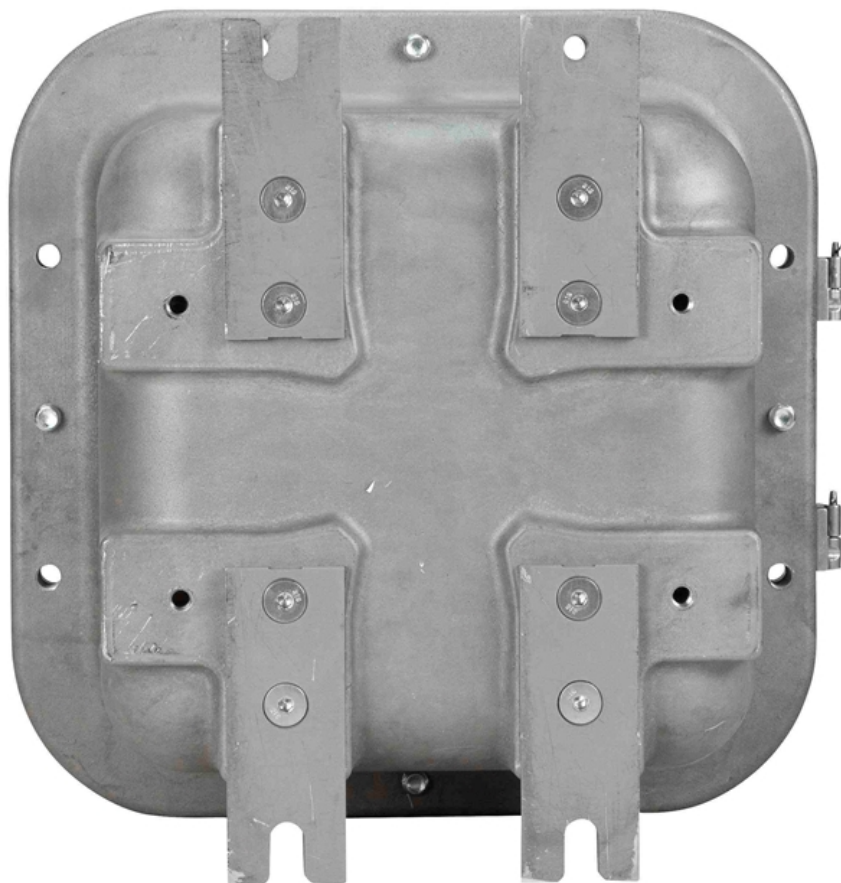


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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **ATEX Certificate (European Explosion Proof)**(<https://www.larsonelectronics.com/images/product/ATEXCert/265414.PDF>)
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(<https://www.larsonelectronics.com/images/product/CECCert/265414.PDF>)
- **CE Certificate**(<https://www.larsonelectronics.com/images/product/CECert/265414.PDF>)
- **Certificate 1, Misc**(<https://www.larsonelectronics.com/images/product/Cert1/265414.PDF>)
- **Certificate 2, Misc**(<https://www.larsonelectronics.com/images/product/Cert2/265414.PDF>)
- **Certificate 3, Misc**(<https://www.larsonelectronics.com/images/product/Cert3/265414.PDF>)
- **IEC Ex Certificate (International Explosion Proof)**(<https://www.larsonelectronics.com/images/product/IECExCert/265414.PDF>)
- **MSDS (Material Safety Data Sheet)**(<https://www.larsonelectronics.com/images/product/Msds/265414.PDF>)
- **Operations Manual**(<https://www.larsonelectronics.com/images/product/Manual/265414.PDF>)
- **RoHS Certificate (Restriction of Hazardous Substances)**(<https://www.larsonelectronics.com/images/product/RoHSCert/265414.PDF>)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(<https://www.larsonelectronics.com/images/product/NECCert/265414.PDF>)
- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/265414.JPG>)
- **HigResPic2**(<https://www.larsonelectronics.com/images/product/HigResPic2/265414.JPG>)
- **HigResPic3**(<https://www.larsonelectronics.com/images/product/HigResPic3/265414.JPG>)
- **HigResPic4**(<https://www.larsonelectronics.com/images/product/HigResPic4/265414.JPG>)
- **HigResPic5**(<https://www.larsonelectronics.com/images/product/HigResPic5/265414.JPG>)
- **HigResPic6**(<https://www.larsonelectronics.com/images/product/HigResPic6/265414.JPG>)
- **HigResPic7**(<https://www.larsonelectronics.com/images/product/HigResPic7/265414.JPG>)
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- **HigResPic9**(<https://www.larsonelectronics.com/images/product/HigResPic9/265414.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>)