

VFD-3P-415-15HP-25A-DCM

15HP Variable Frequency Device - 415V AC 3PH Input/Output - 25 Amps - 11kW

Product ID: 150507



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VFD-3P-415-15HP-25A-DCM Variable Frequency Device

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

Dimensions: 13.34" x 9.09" x 8.42"

Weight: 24.25 lbs

Input/Output Voltage: 415V (375-455V) AC 3PH

Output Current: 25 Amps

Operating Frequency: 0 to 3000 Hz

Kilowatts: 11kW

HP: 15

Starting Torque: 1 Hz/150%

Carrier Frequency: 1.0-16kHz, auto adjusted according to temperature and load

Frequency Accuracy: Digital setting: 0.01Hz, Analog Setting: Max frequency X 0.05%

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

V/f curve: Linear, multiple point and square type (1.2 power, 1.4 power, 1.6 power, 1.8 power, square)

Inputs: 7 on-off programmable digital, 1 high-speed pulse, 2 programmable analog (AI1: 0~10V or 0/4~20mA AI2: 0~10V or 0/4~20mA)

Outputs: 1 programmable open collector, 1 analog (open collector or high-speed pulse), 2 relay, 2 analog (0/4~20mA or 0~10V)

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

Communication Terminal: RS485 communication interface, support MODBUS-RTU communication protocol

Overload: 150% @ 60s, 180% @ 10s, 200% @ 3s

Operating Temp: -10°C to +40°C

Max Operating Humidity: 90% (non condensing)

Materials: -

Mounting: Surface

Color: Gray

Features/Ratings

Automatic Voltage Regulation

LED Display

3 Phase Delta, 3-Wire Configuration

Special Orders- Requirements

Contact us for special requirements

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The VFD-3P-415-15HP-25A-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 fan-cooled unit features a three-phase 415V 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 25 amps and an operating frequency range of 0 to 3000 Hz with 15 horsepower.

The VFD-3P-415-15HP-25A-DCM offers accurate AC motor control in industrial facilities. This 11kw unit is compatible with three-phase nominal 415V (within the range of 375-455V) AC input/output voltage, provides an output current of 25 amps and an operating frequency range of 0 to 3000 Hz. This device supports seven on-off programmable digital inputs, one high-speed pulse input and two programmable analog inputs, as well as one programmable open collector output, one analog output (open collector or high-speed pulse), two relay outputs and two analog outputs. The device also features a total of four operating modes: Keypad control, Terminal control, Serial communication control, and Frequency Setting Mode for digital setting, analog setting, pulse frequency setting, serial communication setting, multi-step speed setting & simple PLC, PID setting, etc. The VFD-3P-415-15HP-25A-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 13.34" x 9.09" x 8.42" and weighs approximately 24.25 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.





AC DRIVE

WARNING Risk of electric shock

- Read the manual and follow the safety instructions before operation.
- Do not remove the cover while power is applied.
- Wait for 10 minutes after disconnecting power supply to open the cover.
- Do not connect power to output terminals.
- Must securely ground (earth) the inverter.





Frequently Asked Questions (FAQ)