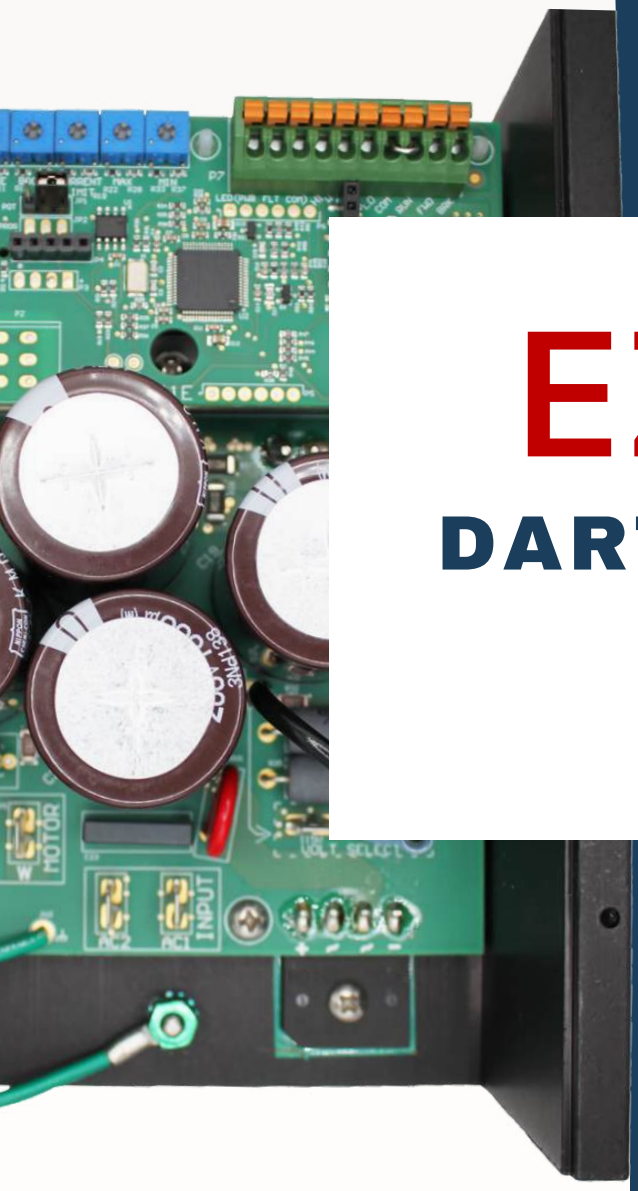


EZ VFD®

DART CONTROLS

EASY TO USE VARIABLE FREQUENCY DRIVE

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OVERVIEW

About Dart Controls

Since 1963, Dart Controls has been a leader in industrial motor speed control solutions, known for durable, high-quality products. Our EZ VFD® is designed for simple implementation, precision, and reliable performance, meeting the demands of industrial applications across diverse industries.

Industries Served

- Manufacturing & Automation
- HVAC & Energy Management
- Food & Beverage Processing
- Agriculture & Irrigation
- Water & Wastewater Treatment

Why Choose Us?

High-Quality Products

- Made in the USA
- Dedicated to produce and provide certified products, manufactured and tested with proven quality methods

Superior Service and Support

- Rapid, US-based, expert technical assistance
- Product shipped next, or often same, day
- Online resources including product manuals and troubleshooting guides

EZ VFD®

Product Overview & Specifications

Key Features

- No Parameters, Plug-and-Play for Most Applications
- Easy to Adjust Trimpots for Fine-Tuning
- Dual Voltage Input (115V/230VAC) for Flexible Installation
- 0-5VDC Follower Speed Adjustment
- NEMA 4X Enclosed or Chassis Models
- Built-in Safety Features, including overload protection and motor braking



Technical Specifications

FEATURE	SPECIFICATION
Input Voltage	115V/208V/230V 1ø , 50/60 Hz
Output (V/Hz)Voltage	230V AC, 3-Phase
Output Frequency	0-60Hz (Adjustable to 120 Hz with derating)
Control Inputs	Speed Adjust (Potentiometer or 0-5VDC isolated), FWD/REV, Run/Stop, (Holding) Brake
Output Current Rating	VF100: 3A (115 / 230VAC) VF200: 4.5A (115VAC) / 6A (230VAC)
Enclosure Options	Open Chassis / NEMA 4X Enclosed
Operating Temp	-10°C to 45°C (Chassis), -10°C to 35°C (Enclosed)
Protection Features	Current Overload Shutdown, Over Temp Shutdown, Anti-Coast Deceleration
Dimensions	7.15" x 5.53" x 5.94" (Enclosed) 6.41" x 5.53" x 3.76" (Chassis)

RECOMMENDED APPLICATIONS

The EZ VFD® provides precise speed control and efficiency for:

- Conveyors – Smooth acceleration and deceleration for material handling
- Fans & Blowers – Optimized airflow and energy savings in HVAC systems
- Pumps & Compressors – Variable speed for fluid and air management

APPLICATION SCENARIOS

The EZ VFD® is built for industrial performance, automation, and energy-efficient motor control, making it a key solution for variable-speed applications in demanding environments.

Food Processing + Packaging

Application: Controls conveyor belts for automated packaging
Benefits: Ensures consistent movement, reduces downtime, and optimizes energy use



HVAC + Airflow Management

Application: Regulates industrial fans and blowers
Benefits: Improves air quality, reduces energy costs, and extends motor life



Manufacturing + Automation

Application: Powers machine tool spindles and material handling systems
Benefits: Enhances precision, reduces wear, and increases production flexibility



Agriculture + Irrigation

Application: Controls irrigation pumps, augers, and fans used for environment control
Benefits: Matches pump speed to demand, reduces mechanical wear, and saves energy



Water + Wastewater Treatment

Application: Regulates pumps and aeration systems
Benefits: Enhances process efficiency, minimizes energy waste, and improves system reliability



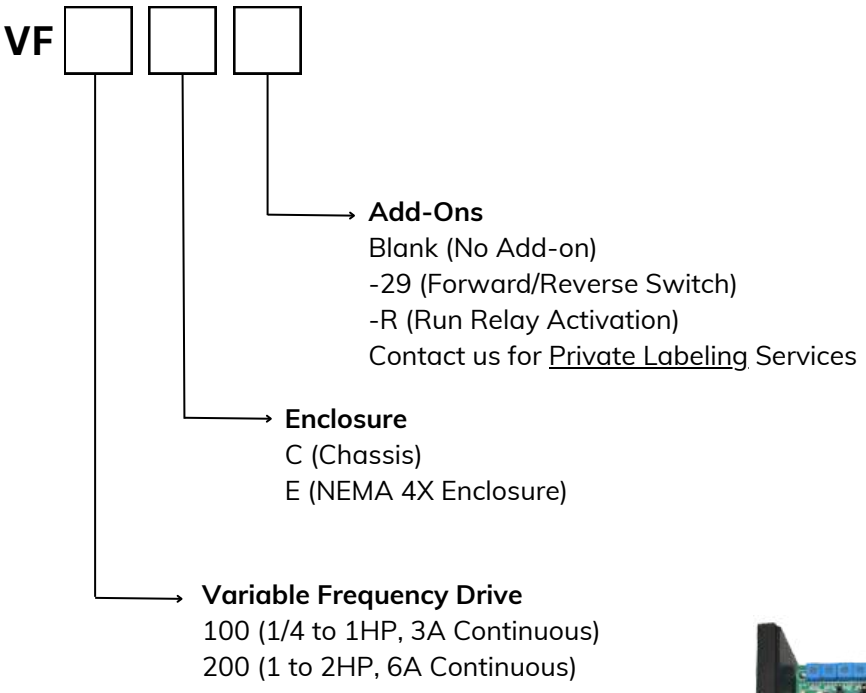
Material Handling + Warehousing

Application: Drives conveyors and sorting lines
Benefits: Smooth, controlled movement for optimized workflow and reduced system strain



MODEL NUMBER BREAKDOWN

Example Order Code:
VF200E-29 Enclosed model, between 1 and 2HP with forward/reverse switch





HOW TO ORDER AN EZ VFD®

To order the correct EZ VFD® model, consider:

- Enclosure Type: Open chassis or NEMA 4X enclosed
- Additional Features: Forward/reverse switch, Run Relay Activation

PRODUCT LINEUP



DC Drives

120/240VAC supply to 90/ 80VDC armature DC motors

Brushless DC Drives



High torque, high speed, quiet operation for 3 phase motor brushless DC



Low Voltage DC PWM Drives

12-48VDC PWM low voltage controls with current limit shutdown and drive status LEDs





DC Digital Drives

Accurate, repeatable, on-board diagnostics, integral digital display, flexible configuration, and support for analog signal following and serial communications

PRODUCT LINEUP
CONTINUED

Scan for more



Digital Potentiometers

Display percent of motor full speed or engineering units to replace 3-wire analog speed potentiometers

Triac Speed Controls



Control single phase AC motors and restrictive loads



Encoders

Various encoders to provide position, speed, and direction feedback

Private Label Services



Ask us about private label services



EZ VFD®

Reliable. Precise. Industrial-Grade Motor Control.

Learn More

DART CONTROLS
innovation IN CONTROL

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