

DELTA · EL-W SERIES VFD (1-PHASE INPUT) · DATASHEET

Delta VFD004EL21W-1 0.4kW 0.5HP Single Phase to Three Phase Variable Frequency Drive

Model VFD004EL21W-1 · Variable Frequency Drive (VFD)



230V 1-Phase input, 0.4KW/0.5HP, 3-Phase output, non-detachable display. No EMC filter.

Key features

- Rated motor output 0.4 kW / 0.5 HP
- 230V single phase, three-phase output to the motor
- Series highlights: EMC filter, SVC

Price and availability

Ask Industrial Supply Syndicate for the current price, stock and a quotation with GST and freight. Call +91 89610 89611 or WhatsApp +91 89610 89611.

Specifications

Electrical

DC Accuracy	±0.15% DC voltage basic accuracy
High-Voltage DC (with P2010 probe)	Up to 2000V DC with optional P2010 probe (CAT III 2000V / CAT IV 1000V) — base instrument is a 1000V-input DMM; for solar PV safety testing
Full Measurement Suite	AC/DC voltage and current, resistance, capacitance, frequency, continuity, diode
Memory	Auto hold, MAX/MIN/AVG

Mechanical

Display	6000 count
Wireless	Bluetooth via optional Z3210 adapter for data transfer to smartphone
Dimensions (W x H x D)	72 x 142 x 140 mm (nominal)
Net Weight	approx. 1.1 kg

Safety

Safety Rating	CAT IV 600V / CAT III 1000V (base unit); CAT III 2000V / CAT IV 1000V with optional P2010 probe
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Input & Output

Input Supply	1-Phase 200-240 V AC, 50/60 Hz
Output (Motor Side)	3-Phase 0-240 V AC
Rated Motor Power	0.4 kW (0.5 HP)

Input & Output (continued)

Rated Output Current	2.5 A
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Control & Performance

Control Method	V/f and Sensorless Vector Control (SVC)
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Output Frequency Range	0.1 - 400 Hz
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Overload Capacity	150% of rated current for 60 seconds
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Features & Protection

Built-in EMC Filter	No - EMC filter not included
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Braking	DC injection braking + dynamic braking
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Communication	RS-485, Modbus RTU
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Display / Keypad	Built-in LED keypad (non-detachable)
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Enclosure / IP Rating	IP20
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Typical applications

- Small exhaust and ventilation fans
- Benchtop and DIY machinery
- Small monoblock and circulation pumps
- Dosing and metering pumps
- Laboratory and test rigs
- Small mixers and stirrers
- Conveyor turntables and feeders
- Display and demo equipment

Order or ask for a quotation

Industrial Supply Syndicate supplies the Delta VFD004EL21W-1 across India with a GST invoice. Tell us the quantity and delivery location; we reply with a quotation or proforma invoice including freight.

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