

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

Delta VFD002EL21W-1 0.2kW 0.25HP Single Phase to Three Phase Variable Frequency Drive

Model VFD002EL21W-1 · Variable Frequency Drive (VFD)



230V 1-Phase input, 0.2KW/0.25HP, 3-Phase output, non-detachable display. No EMC filter.

Key features

- Rated motor output 0.2 kW / 0.25 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 Voltage	600.0mV to 1000.0V, 5 ranges; accuracy $\pm 0.3\%$ rdg ± 3 dgt
AC Voltage	6.000V to 1000.0V, 4 ranges; accuracy $\pm 0.9\%$ rdg ± 3 dgt (40–500Hz, True RMS)
DC Current	60.00mA, 600.0mA, 6.000A, 10.00A, 4 ranges; basic accuracy $\pm 0.9\%$ rdg ± 3 dgt
AC Current (direct input)	600.0mA, 6.000A, 10.00A, 3 ranges; basic accuracy $\pm 1.4\%$ rdg ± 3 dgt (40–500Hz), True RMS
AC Current with Clamp Probe	10.00A to 1000A, 7 ranges; basic accuracy $\pm 0.9\%$ rdg ± 3 dgt (40Hz–1kHz); add clamp-probe accuracy; compatible sensors 9010-50/9018-50 (10–500A) or 9132-50 (20–1000A) via 9704 adapter
Resistance	600.0 Ω to 60.00M Ω , 6 ranges; accuracy $\pm 0.7\%$ rdg ± 3 dgt
Capacitance	1.000 μ F to 10.00mF, 5 ranges; accuracy $\pm 1.9\%$ rdg ± 5 dgt
Auto/DC Current Detection	Automatically selects the correct measurement mode
NCV Detection	Non-contact voltage detection

Mechanical

Display	6000-count display
Range Selection	Auto range and manual range selection
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
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Input & Output

Input Supply	1-Phase 200-240 V AC, 50/60 Hz
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Output (Motor Side)	3-Phase 0-240 V AC
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Rated Motor Power	0.2 kW (0.25 HP)
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Rated Output Current	1.6 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 VFD002EL21W-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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