

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

Delta VFD007EL21W-1 0.75kW 1HP Single Phase to Three Phase Variable Frequency Drive

Model VFD007EL21W-1 · Variable Frequency Drive (VFD)



230V 1-Phase input, 0.75KW/1HP, 3-Phase output, non-detachable display. No EMC filter.

Key features

- Rated motor output 0.75 kW / 1 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	60.000mV to 1000.0V, 6 ranges; basic accuracy $\pm 0.025\%$ rdg ± 2 dgt
AC Voltage	60.000mV to 1000.0V, 6 ranges, 20Hz–100kHz; accuracy $\pm 0.2\%$ rdg ± 25 dgt (45–65Hz, True RMS)
DC+AC Voltage	6.0000V to 1000.0V, 4 ranges, 20Hz–100kHz; accuracy $\pm 0.3\%$ rdg ± 30 dgt (45–65Hz), True RMS
DC Current (direct)	600 μ A, 6mA, 60mA, 600mA, 4 ranges; accuracy $\pm 0.05\%$ rdg ± 5 dgt
AC Current (direct)	600.00 μ A to 600.00mA, 4 ranges; accuracy $\pm 0.6\%$ rdg ± 5 dgt (45–65Hz, True RMS, 20Hz–20kHz)
AC Current with Clamp Probe	10.00A to 1000A, 7 ranges; basic accuracy $\pm 0.6\%$ rdg ± 2 dgt (40–65Hz), $\pm 0.9\%$ rdg ± 2 dgt (>65Hz–1kHz); add clamp-probe accuracy; via optional 9010-50/9018-50 (10–500A) or 9132-50 (20–1000A) clamp sensors and 9704 BNC adapter — this model has no direct high-current input
Resistance	60.000 Ω to 600.0M Ω , 8 ranges; basic accuracy $\pm 0.03\%$ rdg ± 2 dgt
PEAK Capture	Transient detection
Memory	MAX/MIN/AVG value recording
4–20mA Measurement	Current loop measurement

Mechanical

Display	60,000-count resolution
Dimensions (W x H x D)	72 x 157 x 152 mm (nominal)

Mechanical (continued)

Net Weight	approx. 1.3 kg
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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	0.75 kW (1 HP)
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Rated Output Current	4.2 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

- Centrifugal and monoblock pumps
- Ventilation fans and blowers
- Short belt and roller conveyors
- Mixers and agitators
- Small lathes and drilling machines
- Packaging and labelling machines
- Textile and spinning machines
- Wood-working machines

Order or ask for a quotation

Industrial Supply Syndicate supplies the Delta VFD007EL21W-1 across India with a GST invoice. Tell us the quantity and delivery location; we reply with a quotation or proforma invoice including freight.

Phone	+91 89610 89611
WhatsApp	+91 89610 89611
Email	info@vfdindia.com
Online	vfdindia.com/product/vfd007el21w-1/
Address	54, Ezra Street, Kolkata - 700001, West Bengal, India
GSTIN	19ACDPC1843J1ZR



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