

DELTA · EL SERIES VFD (3-PHASE INPUT) · DATASHEET

Delta VFD004EL43A 0.4kW 0.5HP Three Phase Variable Frequency Drive

Model VFD004EL43A · Variable Frequency Drive (VFD)



460V 3-Phase input, 0.4KW/0.5HP, 3-Phase output, inbuilt EMC filter, non-detachable display.

Key features

- Rated motor output 0.4 kW / 0.5 HP
- 460V three phase, three-phase output to the motor
- Series highlights: EMC filter

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

Mechanical

Display	6000 count
Weight	Approx. 190 g
Enclosure	IP42 dustproof/waterproof (storage)
Power Supply	1 × AAA battery
Dimensions (W x H x D)	72 x 174 x 136 mm
Net Weight	1.1 kg

Safety

Safety Rating	CAT IV 300V, CAT III 600V
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Input & Output

Input Supply	3-Phase 380-480 V AC, 50/60 Hz
Output (Motor Side)	3-Phase 0-480 V AC
Rated Motor Power	0.4 kW (0.5 HP)
Rated Output Current	1.5 A

Electrical

DC Voltage	600.0mV to 600.0V, 4 ranges; basic accuracy $\pm 0.5\%$ rdg ± 5 dgt
AC Voltage	6.000V to 600.0V, 3 ranges; accuracy $\pm 1.0\%$ rdg ± 3 dgt (40–500Hz); frequency characteristics 40Hz–1kHz; True RMS

Electrical (continued)

Resistance, Frequency & Continuity	Supported
Circuit Breaker False-Trip Prevention	Fast-blow fuse plus current-limiting resistor allows safe resistance measurement on live circuits without tripping ELCB/RCD
NCV Detection	Non-contact voltage detection

Control & Performance

Control Method	V/f (scalar), 3-point adjustable V/f curve
Output Frequency Range	0.1 - 600 Hz
Overload Capacity	150% of rated current for 60 seconds

Features & Protection

Built-in EMC Filter	Yes - built-in EMI/EMC filter
Braking	DC injection braking + dynamic braking (brake transistor built-in)
Communication	RS-485 (RJ-45), Modbus RTU
Display / Keypad	Built-in LED keypad (non-detachable)
Enclosure / IP Rating	IP20

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 VFD004EL43A 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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