

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

Delta VFD037EL43A 3.7kW 5HP Three Phase Variable Frequency Drive

Model VFD037EL43A · Variable Frequency Drive (VFD)



460V 3-Phase input, 3.7KW/5HP, 3-Phase output, inbuilt EMC filter, non-detachable display.

Key features

- Rated motor output 3.7 kW / 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

Electrical

DC Voltage	600.0mV to 1000V, 5 ranges; accuracy $\pm 0.3\%$ rdg ± 3 dgt
AC Voltage	6.000V to 1000V, 4 ranges; accuracy $\pm 0.9\%$ rdg ± 3 dgt (40–500Hz); frequency characteristics 40Hz–1kHz; True RMS; AUTO AC/DC detection; secondary frequency display during AC measurement
AC Current with Clamp Probe	10.00A to 1000A, 7 ranges, via optional 9010-50/9018-50 (10–500A) or 9132-50 (20–1000A) clamp sensors and 9704 adapter; add clamp-probe accuracy to basic accuracy $\pm 0.9\%$ rdg ± 3 dgt (40Hz–1kHz) — this model has no direct current input
Resistance	Up to 60M Ω
Capacitance	Up to 10mF
NCV Detection	Built-in non-contact voltage detection

Mechanical

Display	6000-count display with backlight and bar graph
Power Supply	4 × LR03 alkaline batteries
Enclosure	Drop-proof; fused voltage input for protection
Dimensions (W x H x D)	100 x 174 x 136 mm
Net Weight	1.4 kg

Safety

Safety Rating	CAT IV 600V / CAT III 1000V
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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	3.7 kW (5 HP)
Rated Output Current	8.5 A

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

- Centrifugal pumps and water-supply systems
- Industrial fans and blowers
- Air compressors
- Conveyors and material handling
- Mixers and agitators
- Crushers and grinders
- Cooling-tower fans
- Process pumps

Order or ask for a quotation

Industrial Supply Syndicate supplies the Delta VFD037EL43A 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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