

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

# Delta VFD007EL21A 0.75kW 1HP Single Phase to Three Phase Variable Frequency Drive

Model VFD007EL21A · Variable Frequency Drive (VFD)



230V 1-Phase input, 0.75KW/1HP, 3-Phase output, inbuilt EMC filter, non-detachable display.

### Key features

- Rated motor output 0.75 kW / 1 HP
- 230V single 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

### 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    | 0.75 kW (1 HP)                 |
| Rated Output Current | 4.2 A                          |

### Electrical

|               |                                                                                                     |
|---------------|-----------------------------------------------------------------------------------------------------|
| DC Voltage    | 0.3V, 3V, 12V, 30V, 120V, 300V, 600V, 7 ranges; accuracy $\pm 2.5\%$                                |
| AC Voltage    | 12V ( $\pm 4\%$ f.s.); 30V, 120V, 300V, 600V ( $\pm 2.5\%$ f.s.); average rectifier effective value |
| DC Current    | 60 $\mu$ A, 30mA, 300mA, 3 ranges; accuracy $\pm 3\%$                                               |
| Resistance    | 0 to 3k $\Omega$ across Rx1/Rx10/Rx100/Rx1k ranges; accuracy $\pm 3\%$ scale length                 |
| Battery Check | 0.9V to 1.8V; accuracy $\pm 6\%$                                                                    |

### Mechanical

|                        |                             |
|------------------------|-----------------------------|
| Display                | Analog pointer              |
| Dimensions             | 95 × 141 × 39 mm            |
| Weight                 | Approx. 280 g               |
| Power Supply           | 2 × R6P manganese batteries |
| Dimensions (W x H x D) | 72 x 174 x 136 mm           |
| Net Weight             | 1.1 kg                      |

## Safety

|               |              |
|---------------|--------------|
| Safety Rating | CAT III 600V |
|---------------|--------------|

## 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 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 VFD007EL21A 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/vfd007el21a/                     |
| Address  | 54, Ezra Street, Kolkata - 700001, West Bengal, India |
| GSTIN    | 19ACDPC1843J1ZR                                       |



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