



delta[®]

ELEKTRİK & ELEKTRONİK İMALAT SAN.TİC.LTD.ŞTİ

Frequency converters

FC300 Series

reliable power



3 Phase input / 3 Phase output

(10 - 200 kVA)

DELTA FC300 series frequency converters are microprocessor controlled ,with stable output voltage and frequency which produces pure sinewave output waveform.

- "Control panel with alphanumeric LCD panel ,mimic lamps ,5 vektor buttons
- "Low distorsion output waveform
- "Output short circuit protection
- "Advanced RS232 communication
- "Overtemperature protection
- "Overload protection
- "128 events ,4000 alarms memory
- "Real time clock and calender
- "Optional battery backup operation
- "Remote emergency power off input (REPO)
- "Control over RS232 serial port
- "Compatible with international standarts
- "2 years full warranty
- "10 years spare parts support
- "TUV - ISO9001 managed development and production
- "ISO14001 certificate , CE compatible,GOST certificate
- "AC / DC voltage low and high protection
- "Optional paralel operation
- "IPM and PWM technology
- "Input switch , output CB , output switch

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| DELTA FC300 series frequency converters technical specifications | | | |
|--|---|-----------------|------------------|
| INPUT | | | |
| Voltage | 230/400 VAC 3 phase ,4 cable , +/-20% | | |
| Frequency | See model selection table | | |
| Voltage THD | <10% | | |
| EMI | EN50091-2 Class A | | |
| Protections | Input fuse, voltage low and high alarm | | |
| OUTPUT | | | |
| Power (Kw) | 10–200 Kva range | | |
| Power factor | Standard 0,8 or special product | | |
| Voltage / frequency | See model selection table | | |
| Frequency tolerant | +/- 0,2% | | |
| Protections | Overload,short circuit, voltage low and high alarm | | |
| Crest factor | 3:1 | | |
| Overload | 100-125% load 10 mins, 125-150% 1 min, >150% output inhibit | | |
| THD (full load) | <3% | | |
| GENERAL | | | |
| Human interface | Alphanumeric LCD panel, mimic lamps ,control buttons | | |
| Parallel | Available as option | | |
| Alarm memory | 128 events,4000 alarms with time and date | | |
| Clock and calender | Standard | | |
| Communication | RS232 serial port | | |
| Protections | Overtemperature and overload protection | | |
| Ambient temperature | 0-40 C | | |
| Protection degree | IP20 | | |
| Humidity / altitude | %90 (non condensed) / <1000 m below sea level | | |
| MODEL SELECTION TABLE | | | |
| Model | Output power | Input frequency | Output frequency |
| FC310 | 10 kVA | 50/60 Hz | 50/60/400 Hz |
| FC315 | 15 kVA | 50/60 Hz | 50/60/400 Hz |
| FC320 | 20 kVA | 50/60 Hz | 50/60/400 Hz |
| FC330 | 30 kVA | 50/60 Hz | 50/60/400 Hz |
| FC340 | 40 kVA | 50/60 Hz | 50/60/400 Hz |
| FC360 | 60 kVA | 50/60 Hz | 50/60/400 Hz |
| FC380 | 80 kVA | 50/60 Hz | 50/60/400 Hz |
| FC3100 | 100 kVA | 50/60 Hz | 50/60/400 Hz |
| FC3120 | 120 kVA | 50/60 Hz | 50/60 Hz |
| FC3160 | 160 kVA | 50/60 Hz | 50/60 Hz |
| FC3200 | 200 kVA | 50/60 Hz | 50/60 Hz |

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