

# STATIC FREQUENCY CONVERTER CFTT400

INPUT 3 PHASE - OUTPUT 115V / 200VAC 3 PHASE 400HZ  
POWER FROM 10 TO 120KVA



Our CFTT400 static frequency converters benefits from ENAGs vast experience in the energy conversion industry. Its optimised interface makes this converter easy to control and use. Installation and maintenance are simplified by the ease of access to the converter.

Especially suited for powering aircraft during maintenance and/or start up or for on-board equipment on naval vessels.

## ADVANTAGES

Designed for harsh environments with unstable networks, the converter has:

- Large tolerance for input network variations: up to +/- 20%
- Digital control giving excellent precision on the output voltage – Conform to standard STANAG 1008 Ed.+9.
- Galvanic isolation input/output
- Excellent resistance to shock and vibration: for example the 120kVA version is conform to NF EN 60068-2-27, SRC Level 2 degree 2 (15g – 11ms)



# CFTT400 – MAIN TECHNICAL SPECIFICATIONS

## INPUT

- Voltage: 3x440Vac +/- 10%
- Frequency: 50-60Hz +/- 5%
- Total harmonic distortion – input current (THDi): <3%

## OUTPUT

- Voltage: 3x115Vac without neutral
- Steady state regulation tolerance:  $\leq 3\%$
- Frequency: 400Hz +/- 0,1%
- Nominal power: 10kVA to 120kVA
- Individual voltage harmonic rate:  $\leq 5\%$
- Efficiency at rated power: 92%

## PROTECTION

- Input protection: circuit breakers
- Output protection: circuit breakers
- Overload power during 60s: 1.15Pn
- Overload power during 15s: 1.5Pn
- Short circuit tolerance during 100ms: 3 In

## DESCRIPTION

Cabinet – L x H x D / weight

- 10kVA: 600 x 1200 x 550 / 350kg
- 25kVA: 800 x 1700 x 600 / 550kg
- 90kVA: 1400 x 1900 x 820 / 1200kg
- 120kVA: 1400 x 1900 x 820 / 1500kg
- Protection rating: IP23
- Cables connected via terminal block – passage by cable glands
- Standard colour: RAL7038

## INTERFACE & COMMUNICATION

- Monitoring, control & display on front panel
- HMI: LCD or analogue
- Communication bus: RS232 or CAN
- Alarm - dry contact and buzzer

## CLIMATIC CONDITIONS

- Operating temperature: 0°C to +45°C
- Max. relative humidity: 95% without condensation.
- Anti-corrosion surface treatment, winding topicalization, PCBs tropicalized using, waterproof varnish

## OPTIONS:

- Neutral available on output
- Power factor correction on input
- EMI filter,
- Different output voltages
- Several outputs
- IP 32 or 44
- Line loss compensation

## STANDARDS:

- CE / ROHS
- STANAG 1008 Ed.+9

