

Static Frequency Converter CFTT **Input 400Vac 3ph 50Hz - Output 440V 3ph 60Hz** **Power 500KVA - shelter**

ENAGs CFTT static converter benefits from ENAGS vast experience in energy conversion. With a new user interface making it easy to use, installation and maintenance are simplified by easy accessibility.



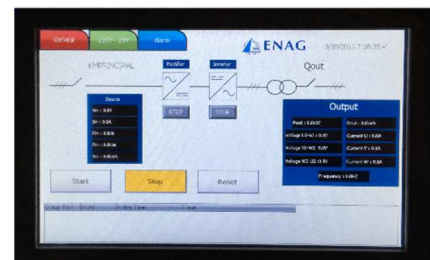
Advantages:

- These 500KVA mobile converters can supply vessels with 440VAC/60Hz from a 380 to 500VAC 3Ph/50Hz network.
- Conform STANAG 1008
- Designed for use on the quay, marine environment
- Robust, these converters can be installed on a trailer making them easy to transport if necessary.
- Large tolerance for input network variations: up to +/- 10%

Man Machine interface (MMI):

A 7-inch touch screen mounted in a cabinet on the outside of the shelter allows:

- The modification of certain system parameters (set V/f....)
- The control of certain information concerning the converter (status, alarms)



Technical specifications

Input:

- Voltage: from 380 to 500Vac three phase
- Tolerance: +/- 10%
- Frequency: from 47 to 63hz
- Cos Phi: 0.99
- Thdi <5%

Output:

- Voltage: 440Vac three phase / Tolerance: +/- 5%
- Frequency: 60Hz / Tolerance: +/- 3%
- Thdu <5%
- Nominal current: 660A
- Max. admissible overload current: 1000A
- Neutral point: IT, neutral non distributed
- Galvanic isolation between input and output. PIM included (connectable via MMI).
- Conform to STANAG 1008.
- Coupling function included (allows switching from on board network to quay network without blackout)
- Load balancing between shelters

Presentation:

- 10 feet steel ISO container
- Colour RAL 9010
- Dimensions:
 - Length 2,991m (not including cable rack)
 - Width 2,438 m (not including weather proof hatches)
 - Height 2,591m
- Weight: 4.5T approx (not including cables)
- Air cooling
- Input and output protected by water separators + filter G3 + watertight hatch for storage.
- Container reheating and dehumidifier for long term storage.
- IP 54 in operation and IP 56 in storage

Protection :

- Input protection by isolator switch + fuses.
- Output protection via 3 pole LSI circuit breaker and motorized
- Output power connections (user) by screw terminals located in an external terminal box.

Climatic conditions:

- Working temperature: -10 to +50°C
Derating from 45 to 50°C of 2%/°C.
- Humidity: 5 to 95°C no condensation.

Options (on request):

- Remote MMI
- Cables
- Topicalization
- Other voltages, frequencies and powers
- Transfer of MMI information to remote station
- Data-logging
- Parallelization of several shelters



FC-CFTT – shelter – A

Les caractéristiques de cette plaquette commerciale n'ont pas de caractères contractuels, la société ENAG se réservant le droit de les modifier sans préavis.

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