

400Hz Frequency converter Range CFMM – CFM – CFTM – CFTT 400

The 400Hz frequency converter range CF400Hz is designed to supply power to equipment working at 400Hz.

Mainly used as a power supply for aeronautic equipment, the converters replace the on-board aircraft network.

Covering a power range from 1.5KVA to 50KVA they are available with single or three phase input and with single or three phase output depending on the power required.



CFMM 400Hz Range – Single/Single

Power	1.5 KVA	2 KVA	3 KVA	4 KVA	5 KVA
Dimension (w x d x h)	300 x 510 x 380 mm				
Weight	14 Kg	19 Kg	25 Kg	32 Kg	44 Kg

CFMT 400Hz Range – Single/Three

Power	2.5 KVA	4 KVA
Dimension (w x d x h)	300 x 510 x 380 mm	
Weight	38 Kg	44 Kg

CFTM 400Hz Range – Three/Single

Power	8 KVA	10 KVA	15 KVA
Dimension (w x d x h)	300 x 620 x 720		360x800x900
Weight	65 Kg	85 Kg	120 Kg

CFTT 400Hz Range – Three/Three

Power	6 KVA	8	10	15	20	25	30	40	50
Dimension (w x d x h)	300x510x3	300x620x720		360x800x820			420x850x900		
Weight	55 Kg	70 Kg	90 Kg	135	160	180	245	290	330

General Technical Specification:

Input:

- CFMM & CFMT Range :
 - Single phase 230 Vac \pm 10%
- CFTM & CFTT Range :
 - Three phase 400 Vac \pm 10%
- Frequencies: 50 or 60 Hz \pm 6%.
- Power factor: > 0.95 typical
- Other voltages, frequencies: on demand.

Output:

- CFMM & CFTM Range
 - Single phase 115 or 200Vac
- CFMT & CFTT Range:
 - Three phase + neutral 115 ou 200Vac
- Other voltages: on demand
- Voltage Regulation:
 - \pm 2% static,
 - \pm 5% dynamic
- Wave form: sinusoidal
- Distortion : < 3% on linear load
- Frequency : 400Hz \pm 0.1%
- Input/output : galvanic isolation
- Power factor: 0.6 à 1

Alarms:

- Indicator lights
 - Voltage present
 - 400Hz output
 - Overload
 - High temperature - failure
- LCD Display :
 - Voltage
 - Current
 - Power (depending on model)
- ON/OFF Push button
- Voltage & frequency adjusting potentiometer (option)

Protection:

- Three phase model - circuit breaker on input
- Against overload, overvoltage's, under voltages and short circuit on output
- Thermal protection

Mechanical specifications:

- Metal cabinet or 19' rack for CFMT range
- IP21
- Connection :
 - Power < 6KVA : outlet IEC
 - Power > 6KVA : terminals
- Colour : RAL7032 (other on request)

Climatic & Noise Specification:

- Working temperature: -10 à 40°C.
- Storage Temperature : -20 à 60°C
- Cooling : fans
- Humidity : 85 to 90 % without condensation
- Noise level : < 50dB at 1m

Options (on request):

- Other input &/or output voltages
- Other cabinet dimensions
- Voltage and frequency tuning potentiometers

Standard:

- Certificate CE
- EN62040-1-1 / EN61000-4-4 / EN61000-6-4 / EN55022

FC-CF400Hz-EN-B

The information contained in this leaflet is not of a contractual nature. ENAG reserves the right to amend the technical details of its products without advance notice.

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