

# FREQUENCY CONVERTER type CA

**Aircraft Frequency Converter type CA  
115/200V 400Hz output**



**Rotative technology**  
⇒ *increased life time and electrical performances*

## Main characteristics

Input current	Three phases 50-60Hz / 400V $\pm$ 10% between each phase
Output current	400Hz - 115/200 Vac
Frequency conversion	Rotative technology
Operation	Unit fixed on platform or bridge for outdoor or indoor use

## Characteristics across the range

Model	Power	Overloads at cos $\phi$ 0,8	Max. absorbed current	Number of 400Hz output	Weight - kg
CA90	90kVA	100kVA	200A	1	1000
CA140	140kVA	155kVA	230A	2	1100



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### Power input

- ❑ Input current: 50Hz-60Hz / 400V±10% three phases
- ❑ Power cable of length 15m - delivered without plug
- ❑ Electrical motor, asynchronous star-triangle – 3000rpm

### Power output - Alternator

- ❑ GUINAULT brushless alternator type AS250 - 400Hz, 115/200V 16 poles, Auto ventilated, self excited
- ❑ Harmonics ratio ( $P_H, P_N, P_H / N$ ) < 2% individual < 3% global
- ❑ Output voltage: 200V ± 1%
- ❑ GUINAULT electronic voltage PCB control board type RS639 or RS525

### Safeties - Securities

- ❑ Over and under voltage
- ❑ Over current
- ❑ Over and under frequency
- ❑ Electric motor overloads

### Standards output(s)

- ❑ One or two 4x70mm<sup>2</sup> with 400Hz cable(s) - length 10m –standard plug STANAG 3302

### Options

- ❑ Steel frame, anti-corrosion coating
- ❑ Unit assembly for stationary platform mounting (outdoor or indoor) or for Passenger Boarding Bridge mounting

### Options

- ❑ **Softstart**, reduces starting current to  $I_N$  instead of  $3I_N$
- ❑ Automatic stop of the unit if no line contactor is interlocked

### Operation - Performances

- ❑ Standard operating temperature : -15°C to +45°C
- ❑ Transients and modulation better than EN2282 standard
- ❑ Indoor and outdoor use
- ❑ Standard colour: white

### Dimensions



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