

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 ϕ 0,8	Max. absorbed current	Number of 400Hz output	Weight - kg
CA90	90kVA	100kVA	200A	1	1000
CA140	140kVA	155kVA	230A	2	1100



GUINAULT SA
PAOS La Saussaye
F - 45590 Saint-Cyr en Val
Tél : +33 (0) 2 38 63 84 00
Fax : +33 (0) 2 38 69 66 22
www.guinault.com



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 4x70mm² 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



PAOS La Saussaye
 F - 45590 Saint-Cyr en Val
 Tél : +33 (0) 2 38 63 84 00
 Fax : +33 (0) 2 38 69 66 22

info@guinault.com