



MOBILE AIR CONDITIONING UNIT FOR AIRCRAFT CODES C TO F



GF 30-50 / CF 30-50

GUINAULT Air Conditioning Units are designed to replace the aircraft's APU and maintain the correct temperature in the cockpit and cabin during pre-flight operations, boarding and maintenance. These two models of the GF / CF range make it possible to meet the needs and requirements of all types of civil aircraft in continental, tropical or desert climates.

GENERATING VALUE

- Limit emissions of direct pollutants on the ground
- Significant reduction of noise level on the ground
- Generate new revenue for the airport by offering an added-value service to airlines
- Significant savings in jet fuel consumption and APU maintenance for airlines
- Improve comfort and air quality on board

ADVANTAGES

- Performance and efficiency under extreme conditions
- Robust and reliable
- Simple operation
- Remote monitoring and maintenance
- Optimized maintenance access, thanks to modular construction

Specifications

	GF30	GF50	
• ENGINE <i>(GF only)</i>	DEUTZ	TCD2013L06-2V / TCD6.1	TCD2013L06-4V/TCD 7.8
	Minimum air flow	1 kg/sec	1.5 kg/sec
	Maximum air flow	3 kg/sec	5 kg/sec
	Number of air outlets	2	2
	Air outlet temperature <i>(at conditions 30°C/50%RH)</i>	+ 2°C	+ 2°C
	Electrical Power Requirement <i>(for CF & GF with Dual Mode)</i>	< 200 A	< 300 A
• DIMENSIONS AND WEIGHTS	Weight (Kg)	9500	10500
	LxWxH (mm)	8400 x 2500 x 3000	
• COOLING SYSTEM	Input power source	Electrical supply from integrated diesel genset (or from the 50/60 Hz main supply as an option)	
	Compressors	Semi-hermetic compact compressors (no maintenance) 1 screw and 1 reciprocating compressor	
	Refrigerant	R513a	
	Condenser	Top-mounted condenser made with copper tubes and aluminum fins. Variable speed fans (VFD controlled)	
	Expansion	Electronically regulated expansion valves	
	Evaporator	Copper tubes and aluminum fins with automatic defrosting system	
	Main blower	Centrifugal high-pressure blower with double-mounted filters on the air intake Variable speed (VFD controlled)	

SAFETY FEATURES

Engine

- Low oil pressure
- High temperature
- Clogged air filter
- Battery charge failure
- Overspeed

Cooling system

- High-low pressure refrigerant
- Compressor overheating (KRIWAN)
- Oil level/temperature
- Air outlet overpressure

CONSTRUCTION

- Touch screen panel for easy intuitive operation and troubleshooting
- High-capacity fuel tank (700 liters offering more than 8 hours of continuous operation)
- Compartment for hoses storage
- Front axle with 5th wheel design (turn-table)
- Batteries: 2 x 12 V-125 Ah (24 Vdc)
- Brakes applied when tow-bar is raised or lowered
- Painted chassis provides excellent protection against corrosion

OPTIONS

- Heating mode
- Dual power mode: 50/60 Hz mains power input
- Truck-mounted ACU
- Cold temperature kit, including engine pre-heating supplied by 50/60 Hz mains, for start-up in extremely low temperature (< - 25°C)
- Extra sound insulation
- Power input limited at 250A

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