



MOBILE AIR CONDITIONING UNIT FOR AIRCRAFT CODES B TO C



GF15 / CF15

GUINAULT Air Conditioning Units are designed to replace an aircraft's APU and maintain the correct temperature in the cockpit and cabin during pre-flight operations, boarding and maintenance. These Units make it possible to meet the needs and requirements of code B and C 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
- Versatility

Specifications

		GF15 (Diesel) / CF15 (Electric)
• ENGINE	Type	Deutz TCD 2013L04-2V (Stage 3) or TCD3.6 (Tier 4 / Stage 5)
	Fuel tank capacity	160 L / 43 US GAL
• DIMENSIONS AND WEIGHTS	L x W x H (mm)	5360 x 2200 x 2400 mm
	Weight (Kg)	4900 kg
• AIR CIRCUIT	Maximum airflow	1.5 kg/s
	Pressure at PCA outlet	7500 pascal / 1.08 Psi
	Fan type	Centrifugal - Variable speed (VFD)
• COOLING CIRCUIT & SYSTEM	Air outlet	1 outlet - 10 m
	Main blower	Centrifugal high-pressure blower with filters mounted on the air intake
	Compressor qty	2 independant cooling circuits
	Refrigerant	R513a
	Input Power Source	Electrical supply from integrated diesel genset <i>(or from 50/60 Hz main supply as an option)</i>
	Compressors	Semi-hermetic compact reciprocating compressors (no maintenance)
	Condenser	Top condenser made of copper tubes and aluminum fins
	Expansion	Electronically regulated expansion valves
• HEATING MODE <i>(option)</i>	Evaporator	Copper tubes and aluminum fins
	Heating capacity	45 kW
• INPUT POWER REQUIREMENT <i>(for electric/CF15 only & GF15 with dual mode option)</i>	Input current	< 100 A

SAFETY FEATURES

Engine

- Low oil pressure
- High temperature
- 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
- Compartment for hose 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
- Hot dip galvanized chassis provides excellent protection against corrosion

OPTIONS

- Heating mode
- Dual power mode: 50/60 Hz mains power input
- Cold temperature kit, engine pre-heating supplied by 50/60 Hz mains, for start-up in extremely low temperature (< - 25°C)
- Colour: other than white (RAL 9010)

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