

AIR CABIN HEATER type GR

*Aircraft Diesel Engine Air Cabin Heater type GR
from 90 to 130kW*



- ➔ **Exclusive inductive alternator :**
- ✓ **No flame**
- ✓ **Fast warming up : 100% of power in less than 5 min.**
- ➔ **Automatic temperature regulation as per IATA AHM973**

Main characteristics

Output air temperature	Adjustable, maximum temperature increase of 80°C
Air flow	Adjustable from 2 000 to 4 000 m ³ /h
Engine	Turbo charged 4 cylinders DEUTZ diesel engine
Inductive alternator	GUINAULT inductive alternator
Temperature regulation	± 2,5°C

Characteristics across the range

Model	Thermal Power	Engine type	Inductive alternator type	Temperature increase (at max. flow)	Weight kg
GR90	90kW 307 000 BTU/h	DEUTZ BF4M1013E	GUINAULT AF250/220V1-90	60°C	2000 kg
GR130	130kW 410 000 BTU/h		GUINAULT AF250/220V1-130	80°C	



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Engine

- DEUTZ Turbo diesel BF4M1013E
- Water cooled engine
- Electronic engine speed regulator
- Batteries : 2 x 12V –125Ah each

Heating

- GUINAULT inductive alternator type AF250 for main heating source
- Heat losses generated by the engine radiator and ventilator
- Temperature regulation $\pm 2,5^{\circ}\text{C}$
- GUINAULT electronic PCB control board for temperature and air flow regulation

Safeties

Engine

- High temperature
- Low oil pressure
- Air filter clogging-up
- Over-speed

And ...

- Alternator failure
- Overheating
- Temperature regulation
- Low fuel level

Outputs

- 1 air hose length 10m - \varnothing 200mm with standard coupling ISO1034

Main assembly

- Steel frame and sound proofed polyester canopy
- Leading front axle with ball bearing
- Automatic braking when tow-bar is raised or lowered
- Air hose storage compartment
- Fuel tank 240 litres \rightarrow capacity for more than 15 hours continuous operation

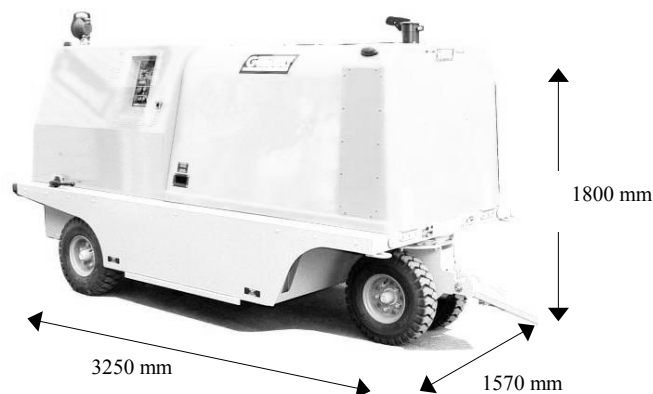
Options

- Fresh air ventilation for cooling aircraft brake
- Additional roof beacon lights
- External additional 230V engine pre-heating kit (up to -35°C)

Operation

- Standard operating temperature : $- 25^{\circ}\text{C}$ to $+35^{\circ}\text{C}$
- Automatic heating regulation in two modes:
 - Anti-freeze mode for aircraft night stop (T° of $+5^{\circ}\text{C}$ in aircraft cabin)
 - Passenger comfort, aircraft cabin temperature of $+15^{\circ}\text{C}$

Dimensions



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