

AIR START type GS

*Aircraft Pneumatic Air Start Unit type GS
from 250ppm to 350ppm*



➔ *Exclusive engine
speed regulation
(1300 – 1850 rpm)
depending on aircraft
air flow requirements*

Main characteristics

Output air pressure	42 psig relative pressure (56 psia absolute pressure)
Maximum air temperature	Approx. 200°C
Engine	Turbo charged 8 cylinders DEUTZ diesel engine
Compressor	Air Screw compressor GHH-RAND
Option	Air pacs mode (32 psi)

Characteristics across the range

Model	Air flow range	Engine type	Compressor type	Weight kg
GS250	50-250 ppm	DEUTZ BF8M1015	GHH-RAND CD42S	5700
GS280	50-280 ppm			
GS315	80-315 ppm	DEUTZ BF8M1015	GHH-RAND CD72S	7500



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Engine

- ☐ DEUTZ Turbo diesel 8 cylinders
- ☐ Water cooled engine
- ☐ Electronic engine speed regulator EMR (Deutz)
- ☐ Batteries : 4 x 12V –125Ah each

Compressor

- ☐ GHH-RAND Screw Compressor
- ☐ Integrated multiplication gear
- ☐ Screw rotating speed: 5000-8000rpm
- ☐ Integrated oil tank and external oil cooler
- ☐ GUINAULT pressure/air flow PCB control board type RS686

Safeties

Engine

- ☐ High temperature
- ☐ Low oil pressure
- ☐ Air filter clogging-up
- ☐ Low level cooling agent
- ☐ Over-speed

Compressor

- ☐ High output air pressure
- ☐ Air filter clogging-up
- ☐ Low oil pressure
- ☐ High oil temperature

Outputs

2 air hoses of length 30 feet (\cong 9m)
with ISO coupling 2026

Main assembly

- ☐ Steel canopy with large access doors for maintenance
- ☐ Leading front axle with ball bearing
- ☐ Automatic braking when tow-bar is raised or lowered
- ☐ Air hoses storage compartment
- ☐ Fuel tank 400 litres

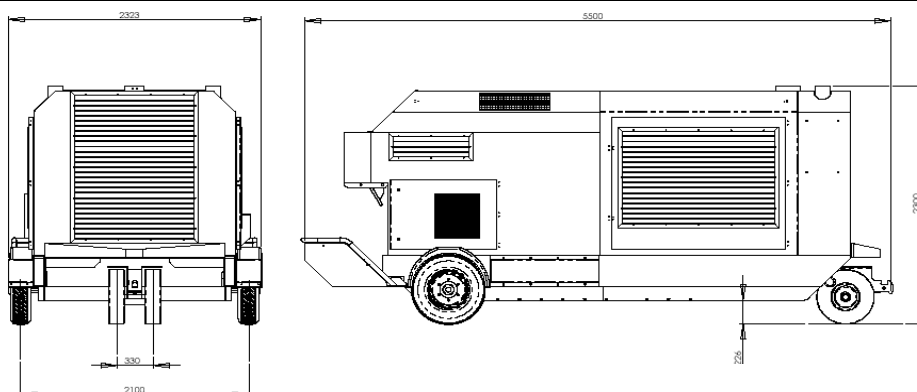
Options

- ☐ Truck Mounted Air Start Unit: MERCEDES truck type Atego, IVECO Eurocargo or any other upon request
- ☐ Air-Pacs mode: output air flow of 32psi for aircraft air conditioning system
- ☐ Noise reduction: 89dB(A) @ 7m
- ☐ Engine pre-heating for cold operation

Operation

- ☐ Standard operating temperature : - 15°C to +45°C
- ☐ Fully automatic aircraft engine starting cycle: stand-by phase 35psi, detection of aircraft valves opening-starting phase at 42psi
- ☐ Exclusive engine speed control adjusting the engine speed to required air flow rate → when starting a narrow body aircraft, noise level, fuel consumption and deterioration are reduced.

Dimensions



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L 5500 x W 2100 x H 2300 mm

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