

# AIR START type GS

Aircraft Pneumatic Air Start Unit type GS  
250ppm up to 280ppm

**NEW VERSION**



➔ **Exclusive engine speed regulation (1250 – 2000rpm) 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
<b>GS250</b>	30-250 ppm	DEUTZ BF8M1015	GHH-RAND CD42S	5000
<b>GS280</b>	30-280 ppm			5100



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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

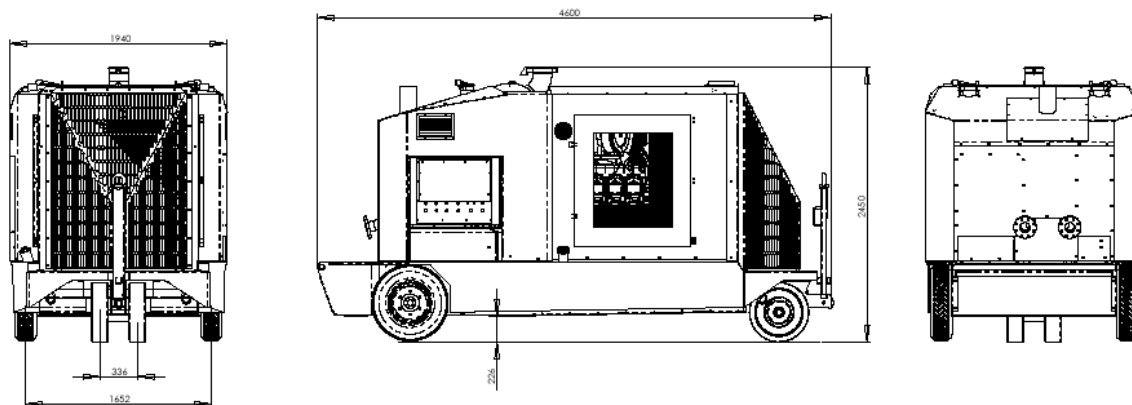
### Compressor

- 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

## Dimensions



L 4600 x W 1950 x H 2450 mm



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## 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 260 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: 83dB(A) @ 7m
- Winter kit

## Operation

- Standard operating temperature : - 15°C to +45°C
- 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.