

AIR START type GS

Aircraft Pneumatic Air Start Unit type GS
180ppm up to 400ppm



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	DEUTZ or MTU Detroit Diesel
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
GS180	30-180 ppm	DEUTZ TCD2015V06	GHH-RAND CD26S	4 600
GS250	30-250 ppm	DEUTZ BF8M1015 or TCD2015V08	GHH-RAND CD42S	5 000
GS280	30-280 ppm			5 100
GS330	80-330 ppm	DETROIT DIESEL 12V2000	GHH-RAND CD72S	7 500
GS400	100-400 ppm			9 600



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Engine

- DEUTZ Turbo diesel 6-8 cylinders or Detroit Diesel 12 cylinders
- Water cooled engine
- Electronic engine speed regulator EMR (Deutz) or DDEC4 (MTU-Detroit)
- 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 – 3 hoses on GS400 – 1 hose on GS180.

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 (GS180/250/280) / 400 litres (GS330/GS400)

Options

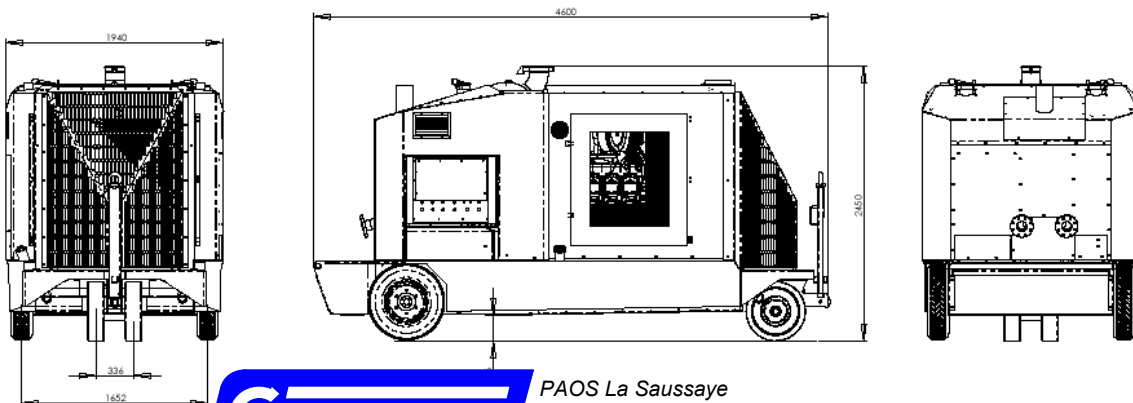
- Truck Mounted Air Start Unit: MERCEDES truck type Atego, IVECO Eurocargo or any other upon request
- Air-Pacs mode: output air flow of 32psi for aircraft air conditioning system
- Winter kit
- Engine pre-heating for cold operation

Operation

- Standard operating temperature : - 15°C to +50°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.
- Fully automatic aircraft engine starting cycle: detection of aircraft valves opening starting phase at 42 psi

ASU type GS
Aircraft Pneumatic Air Starting Unit
180 to 400 lbs/min – 42psi

Dimensions



Dimensions

For GS180, GS250, GS280
L 4700 x W 1940 x H 2450 mm

For GS330
L 5620 x W 2080 x H 3100 mm

For GS400
L 5070 x W 2200 x H 3020 mm

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