



PNEUMATIC AIR START UNITS FOR MILITARY AIRCRAFT

ASU

TS MODEL

The ASU requires high reliability in order to avoid AOG (Aircraft on Ground) in case of failure of an APU (Auxiliary Power Unit). It must be able, at any time and for any type of aircraft, to provide the necessary compressed air (56PSI of pressure) to run the turbines and perform the start-up. GUINAULT designed the safest ASU in the world using components known for their reliability. The use of electronic regulation allows them to operate in the best conditions and thus improve their lifespan, to limit noise at airports, and significantly reduce fuel consumption.

GENERATING VALUE

- Drastically reduce the risk of AOG

ADVANTAGES

- Sturdiness and reliability
- Optimized design
- Ease of use
- Air Transportable
- Compliant to EMC Standard MIL-STD-461

Specifications

		TS200
TURBINE	Brand/Type Power Air flow Pressure Sound pressure at 7 meters	Hamilton Sundstrand PH-47 C 3 300kW at 46.130 rpm 204ppm at 15°C (59°F) sea level 56 psia at 15°C (59°F) sea level 85dB(A)/87dB(A)
DISTRIBUTION	Outputs	2 hoses 40 feet length (12,5 m) with ISO 2026 coupling
OPERATING CONDITIONS	Temperature Elevation	-30°C to +52°C (-22°F to +125°F) max. 2000 m (6500 ft) above sea level
DIMENSIONS AND WEIGHTS	Weight L x W x H	1954 (Kg) 3000x 1680x 1700mm
FUEL TYPES	Accepted Fuel Tank Capacity	Diesel EN590, Jetfuel F-34, F-35, F-44, XF-43, Jet A and Jet A1. 400 Liters

ASSEMBLY

- Metal body with doors for maintenance access
- Tray for hoses storage
- Braking when tow-bar is raised or lowered
- Front axle with turnable steering
- Stanag 3548 tie down points
- Fork lift pockets
- Stanag 4101 towing eye

SAFETY FEATURES

- High temperature and low oil pressure
- Battery charge fault
- Overspeed