



Telemeter Electronic



AERO JetGo 45-400 AC Diesel Aircraft Ground Power Unit

AERO Specialties JetGo 45-400 AC Diesel Aircraft Ground Power Unit is a groundbreaking development in our line of heavily revised JetGo aircraft GPU's. These units include active and advanced aircraft safety features, with reliable performance to ensure they are the dominant choice for your 400Hz ground power requirements. These units provide a continuous and stable output of 45kVA, coupled with state-of-the-art protection systems that comply with the most stringent aircraft specifications.

Units are powered by the field-tested and economical water-cooled Deutz 2.9TD Tier IV / Stage V engine and are designed to perform in the most challenging environments. Featuring simple to use controls, a galvanized heavy-duty trailer, oversized cable trays with rollers (for easy deployment of output cables), rear suspension, and a rugged fifth-wheel towing system that is designed for the most demanding airline ramps. The JetGo 45-400 is the 400Hz AC GPU you've been waiting for!

Features

- Fuel-efficient diesel-hybrid design will run ~25 hours at 50% load
- EPA Tier 4 Final and EU stage V compliant Deutz 2.9TD engine (DOES NOT REQUIRE DEF)
- Fully galvanized heavy-duty trailer with torsional suspension system and fifth-wheel steering with towbar
- Protective galvanized steel bumpers
- Impenetrable, UV treated and attractive polypropylene casing
- Stable 45kva maximum continuous AC output
- Integrated GCM2 controller with backlit digital display allows for monitoring of engine and generator parameters
- Auto Voltage compensation
- Blue "Hi-Viz" running lights
- Overhead cable tray lighting
- Standard military interlock switch
- Standard LED adjustable flood lighting
- Standard low fuel and fault code "Hi Viz" warning beacons
- Integrated USB charger
- Comprehensive 24-month warranty



Options

- Tow bar interlock protection system
- Cold weather kit
- Bumper kit
- Fire extinguisher

AERO JetGo 45-400

Engine & Generator Specifications

- Fuel efficient Deutz 2.9TD 4-cylinder turbocharged diesel engine
- 24V engine electrical system
- 74hp (55kw), 2,400 operating RPM
- 400Hz 115/200v nominal
- Output 45Kva @ .85PF
- Brushless single bearing generator
- Efficient direct engine connection
- Voltage regulation: +/- 1% over full load range
- Voltage transient: +/- 13.8% no load to full load
- Voltage transient recovery time: +/- 1% of nominal voltage within 100 milliseconds
- Voltage modulation: 0.5% at steady state
- Overload rating: 125% for 5 minutes @ 0.8 PF
- Line drop compensation: Increases up to 10 VAC L-N to compensate for aircraft cable voltage drop

Fuel and Emission Information

- 35 US gallons (132.5 liters)
- Corrosion proof polypropylene tank
- 1.2 gallons/hr. (4.54L/hr.) at 50% load
- Approximately 25 hours run time at 50% load
- Low fuel warning activation at 15% remaining
- Electronic fuel shut off at 5% fuel remaining
- EPA Tier 4F compliant
- EU Stage V available CE certified
- **NO DEF (Diesel Exhaust Fluid) REQUIRED**

Output Cable

- 30'- 1/0 multi strand cable set with standard thermal protection head switching and hard tip nose

Dimensions

- Uncrated dimensions: 126" L X 59" W X 66" H (3.2 x 1.5 x 1.7 m), 2,822 lbs. (1,280 kg.)

Engine Instrumentation

- GCM2 Digital Generator Controller
- CAN bus monitor reads engine and operating parameters
- Built in alarms and fault code reporting
- Low oil, high temp, overspeed, under speed, overvoltage, over/under frequency, low fuel, over crank monitoring
- Programmed clearance lighting incorporating flashing warning/alarm function
- standard LED adjustable flood lighting
- USB charger
- E Stop and battery isolator switches



Construction

- Fully galvanized heavy-duty trailer and dual oversized illuminated cable storage bins
- Cable tray rollers allow for easy deployment of output cables
- Torsional suspension system
- Heavy duty fifth wheel front axle and towbar assembly
- Wide, low roll resistance tires
- Protective galvanized steel bumpers
- Custom designed polypropylene foam filled enclosures
- Available in white/grey or orange/grey color combination