

MINI DIESEL GPUs

RUN ON DIESEL OR JET A1



Multi-purpose unit – classified role

Scammer™ 150

115V 400HZ / 28 VOLT DC

110V 60HZ / 28 VOLT DC

230V 50HZ / 28 VOLT DC

SCAMMER — SELF-CONTAINED, AIR-MOBILE, MODULAR, EMISSION RESTRICTED— GPU

Typical power plant:*

PT6C-67, ALF 502, TPE331,
TFE 731, AE3007A

(Assumes SCAMMER batteries
fully charged)

Pre-flights: All DC business jets, small
commuters, Jetstream, Hawker
Beechcraft etc.

Air-con: up to 150 amps continuous,
peak to 2000 amps, short term 200–3000
amps until voltage limit warning

Turbine starting: All DC business jets,
Jetstream, BAe 146, Saab 340, ERJ 145



28.5 volts diesel GPU (115/200V 400Hz AC power optional)

The SCAMMER was first developed in 1995 for the UK military in response to the need for a low cost self contained GPU able to produce both continuous DC power for pre-flight/avionics use and short-term high power for turbine starting.

In various configurations and in series production over 17 years, with sales to several armed forces, the latest version of this mini diesel GPU has been adapted for civil use and is now available for FBOs, regional airlines, and operators requiring versatile remote power at a fraction of the cost of a conventional diesel GPU.

The Powervamp SCAMMER – self-contained, air mobile, modular, emission-restricted – GPU comprises a small high-efficiency single cylinder diesel engine able to run on diesel or jet A1 fuel, direct coupled to a generator. Depending on specification, this provides continuous AC or DC power and very high amperage for starting turbines or powering aircraft systems for short duration by using either internal batteries or demountable portable DC power packs. A 115 volt 400Hz SCAMMER is available to power 400Hz aircraft systems.

For versatility, the output may be switched between 28 volt DC power and 110 or 230 volt 50/60Hz domestic voltage depending on customer spec, allowing the GPU to be used as a conventional gen-set.

In enclosed spaces such as maintenance shops or hangars, the diesel engine can be shut down and the unit powered directly from any 110/220V mains supply to provide 28V DC power without discharging the batteries.

Modular battery packs are an option, instantly delivering peak loads up to 2000 amps for the starting of large turbine powered DC regional aircraft. These optional packs may be used independently for maximum equipment utilisation and flyaway capability.

The SCAMMER can be disassembled for easy transport by road or air and supplied in a variety of configurations, and equipped with modular power supplies of up to 150 amps continuous output.

*This information is given in good faith. See disclaimer, page 2