

TUG TECHNOLOGIES

Providing Ground Support Solutions Worldwide



Model shown above includes additional options.

Model GP400-140 Aircraft Ground Power Unit

The Davco GP400-140 ground power unit is a diesel-powered generator that provides regulated 140 kVA, 400 Hz, 115/200 VAC, 3-phase power to aircraft. Simplicity, ease of service and maintenance, durability and performance were the primary design objectives. With the 28.5 VDC rectifier option, the unit can also provide power to aircraft requiring 28 VDC at 500 A continuous and 2000 A peak.

Equipment Sales
Tel: (770) 422-7230
Fax: (770) 428-7315

Parts Sales
Tel: (800) 989-8499
Fax: (770) 422-8730

Online
www.tugtech.com

Standard features include:

- Mounted on 4-wheel trailer constructed of 2" X 4" rectangular steel tubing with all cross members and motor mounts welded to the frame
- Front axle has heavy duty 5th wheel type steering with
- Brake locked when tow bar is latched in up position
- Steel enclosure with updraft. Side doors are removable
- All AC/DC and engine controls mounted in weather-protected box with hinged door for easy access
- Deep Sea Generator set controller for engine control and monitoring.
- Engine protection controlled by engine ECM.
- Trouble codes displayed on Deeps Sea controller as well as diagnostic switch with a flashing light.
- Dual cable trays
- Engine block heater
- Air pre-heat



If it doesn't say TUG, it's not TUG TUFF

Specifications

Model GP400-140

Aircraft Ground Power Unit

Engine - Cummins

Model QSB6.7-240
Type 6-cylinder diesel, direct injection, four-cycle, turbo-charged
Displacement 6.7 L
Horsepower 240 bhp

Fuel System

Type Jet A or Diesel
Tank/Capacity Dual external steel with braided steel fuel lines and 3 in (7.6 cm) fill / 110 gal (416.3 L)

Electrical System

Starting System 12VDC
Batteries 2 Group 31 batteries

Gauges

All Engine display functions are handled by the Deep Sea controller

Generator

Manufacturer Marathon 120 kW, 400 Hz
Operating Speed 2000 rpm

Aircraft Power Cable

(2) 30 ft (9.1 m) AC power cables, Mil. Spec. with molded plug (6 wires)

Dimensions Base

Length (overall) 138 in (350.5 cm)
Width 77 in (195.5 cm)
Height 67 in (170.1 cm)
Weight (dry) 5500 lb (2494 kg)
Weight w/ rectifier 6000 lb (2721 kg)

Max Towing Speed 15 mi/h (24.1 km/h)

Wheels/Tires 4.8 X 12 pneumatic tires mounted on 5-lug

Engine Controls (ECU)

Engine Over-speed Shut Down
Low Oil Pressure Shut Down
High Water Temperature Shut Down
Automatic Start Over Crank Shut Down
Electronic Governor

400 Hz Controls and Gauges

Deep Sea Controller has 4 line display for generator functions
(2) Power Cable Switches (Toggle)
(2) Cable Contactor Switches (momentary toggle)
Voltage Adjust Rheostat

Aircraft Protection

All models automatically open the contactor and remove power to the aircraft for any of the following reasons:

- Over Voltage
- Under Voltage
- Over Frequency
- Under Frequency

The contactor will not close and supply power to the aircraft until the problem is corrected.

Optional Equipment

- Low fuel light
- Low fuel shutdown
- Extra length power cable
- Convenience receptacle 60 Hz 15A
- Safety beacon
- Rectifier - provides 28.5 VDC, 600 continuous



Equipment Sales

815 Allgood Rd • Marietta, GA 30062 USA
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www.tugtech.com

TUG Genuine Parts

TUG Parts: (800) 989-8499 • (770) 422-8021
Fax (770) 422-8730
www.tugparts.com



Specifications are subject to change without notice.
Models shown may include optional features.

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