

TUG TECHNOLOGIES

Providing Ground Support Solutions Worldwide



Model shown above includes additional options.

Model GP400-120 Aircraft Ground Power Unit

The Davco GP400-120 ground power unit is a diesel-powered generator that provides regulated 120 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 air-craft 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 GP400-120

Aircraft Ground Power Unit

Engine - Cummins

Model QSB-6.7-203HP@2000 RPM
Type 6-cylinder diesel, common rail, turbo-charged
Displacement 6.7 L
Horsepower 203 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 12 VDC
Battery 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 (170.2 cm)
Weight (dry)	5500 lb (2,494 kg)
Weight w/ rectifier	6000 lb (2,721 kg)

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

Wheels/Tires 6 X 9 pneumatic tires mounted on 5-lug steel wheels

Engine Controls (ECU)

Over-speed Shutdown Low Oil Pressure Shutdown
High Water Temperature Shutdown Automatic Start
Over Crank Shutdown 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 shut down
Extra length power cable
Convenience receptacle 60 Hz 15A

Safety beacon

Rectifier - provides 28.5 VDC, 500 A continuous - 2000 peak power, includes 30 ft (9.1 m) Mil. Spec. cable with molded plug (2 wires), volt-meter, ammeter, cable power switch (toggle) and pilot light.



Equipment Sales

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TUG Genuine Parts

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