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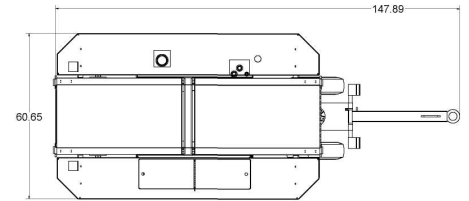
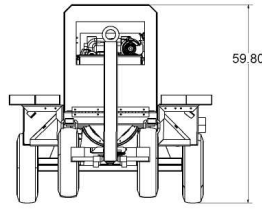
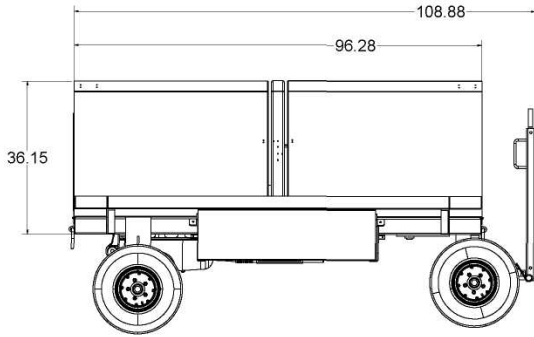


Model GP400-60 Aircraft Ground Power Unit

The Davco GP400-60 ground power unit is a diesel-powered generator that provides regulated 60 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 1000 A continuous and 2000 A peak.

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
- Engine and generator covers fabricated from Diamond Plate aluminum
- Davco original "TILT HOOD" for easy and complete access to engine, generator and controls
- All AC/DC and engine controls mounted in weather-protected box with hinged door for easy access
- ECU automatic engine controller
- Engine safety shutdowns have indicator lights for easy problem identification
- Automatic aircraft protection for voltage and frequency problems
- Dual cable trays
- Engine block heater
- Safety lights on corners of engine and generator covers



Specifications

Model GP400-60 Aircraft Ground Power Unit

Engine - Cummins

Model 4BTA3.9
 Type 4-cylinder diesel, direct injection, four-cycle, turbo-charged
 Displacement 3.9 L
 Horsepower 107 bhp

Fuel System

Type Jet A or Diesel
 Tank/Capacity External steel with braided steel fuel lines and 3 in (7.6 cm) fill / 26 gal (98.4 L)

Electrical System

Starting System 12VDC
 Battery H.D. 12 volt Optima

Gauges

VDO lighted hour meter, volt meter, temperature gauge and oil pressure gauge

Generator

Manufacturer Marathon 50 kW, 400 Hz
 Operating Speed 2000 rpm

Aircraft Power Cable

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

Dimensions

	Base	With Rectifier
Length (overall)	113 in (287.0 cm)	113 in (287.0 cm)
Width	57 in (144.8 cm)	57 in (144.8 cm)
Height	50 in (127.0 cm)	50 in (127.0 cm)
Weight (dry)	2700 lb (1225 kg)	3200 lb (1451 kg)

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

Wheels/Tires 6.00 X 9 pneumatic tires mounted on 5-lug steel wheels

Engine Controls (ECU)

Single Switch Starting and Shutdown (toggle)
 Engine Over-speed Shutdown
 Low Oil Pressure Shutdown
 High Water Temperature Shutdown
 Automatic Start Over Crank Shutdown
 Electronic Governor

400 Hz Controls and Gauges

Voltmeter
 Ammeter
 Frequency Meter
 Power Cable Switch (Toggle)
 Cable Contactor Switch (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 Fre-
 quency Under Fre-
 quency

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

Optional Equipment

Ether Start
 Low fuel light
 Low fuel shut down
 Additional power cable
 Extra length power cable
 Safety beacon
 Rectifier - provides 28.5 VDC, 1000 A continuous - 2000 peak power. Includes 30 ft (9.1 m) Mil. Spec. cable with molded plug (3 wires), voltmeter, ammeter, cable power switch (toggle) and pilot light.



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