

# TUG TECHNOLOGIES

Providing Ground Support  
Solutions Worldwide



Model shown above includes additional options.

## GP28M “Magnum” Aircraft Ground Power Unit

The TUG GP28M ground power unit is a diesel-powered generator that provides constant 28.5 VDC, 500 A continuous and 2000 A peak power to aircraft. Simplicity, ease of service and maintenance, durability and performance were the primary design objectives.

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

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

Online  
[www.tugtech.com](http://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
- All DC and engine controls mounted in control panel with hinged door for easy access
- Deep Sea PLC
- Engine safety shutdowns have indicator lights for easy problem identification
- Cable trays on both sides
- Engine block heater
- Air pre-heat



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

## Specifications

## Model GP28M Aircraft

## Ground Power Unit

### Engine - Cummins

Model QSB4.5 130HP  
Type 4-cylinder diesel, direct injection, four-cycle, turbo-charged  
Displacement 4.5 L  
Horsepower 130 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 2 group 31 batteries

### Gauges

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

### Generator

Rating 70 kW  
Operating Speed 1800 rpm

### Aircraft Power Cable

(1) 30 ft (9.1 m) 4/0 Mil. Spec., with molded plug and sensing leads

### Dimensions

Length (overall) 113 in (287.0 cm)  
Width 57 in (144.8 cm)  
Height 50 in (127.0 cm)  
Weight (dry) 4000 lb (1814 kg)

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

**Wheels/Tires** 4.80 X 12 pneumatic tires mounted on 5-lug steel wheels

### Engine Controls (ECU)

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

### 28 VDC Controls and Gauges

Voltmeter  
Ammeter  
Power cable power switch (toggle)  
Pilot light

### Optional Equipment

Low fuel warning  
Low fuel shut down  
Safety beacon



### Equipment Sales

1995 Duncan Dr. • Kennesaw, GA 30014 USA  
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[www.tugtech.com](http://www.tugtech.com)

### TUG Genuine Parts

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

