

# TUG TECHNOLOGIES

## Providing Ground Support Solutions Worldwide



Model shown above includes additional options.

## ACU500 Air Conditioning Unit

Our POLAR Power line is built for performance, reliability and simplicity. For example, a single refrigeration system, utilizing screw compressor and an increased condenser capacity, eliminates the need to balance two systems that overlap. This basic arrangement is more forgiving in extreme ambient temperatures. The Polar Power's unique, Full-Range Capacity Control (FRCC) is a precise, variable capacity system that gives it the broadest operating ambient temperature band with cooler air, higher reliability, and longer component life. It's logic controller "command center" coordinates control activities throughout the full operating range.

**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:*

- Full Range Capacity Control
- Smart Start
- Automatically Controlled Airflow (ACAF)
- Subcooling Vapor Injection Economizer (SCVIE)
- Liquid Injection Desuperheater (LID)
- Hot-Gas Bypass (HGB)
- Fuel Cooling
- Slip Stream Condensers
- Quiet Operation
- Externally accessible controls
- (2) 30 foot hoses



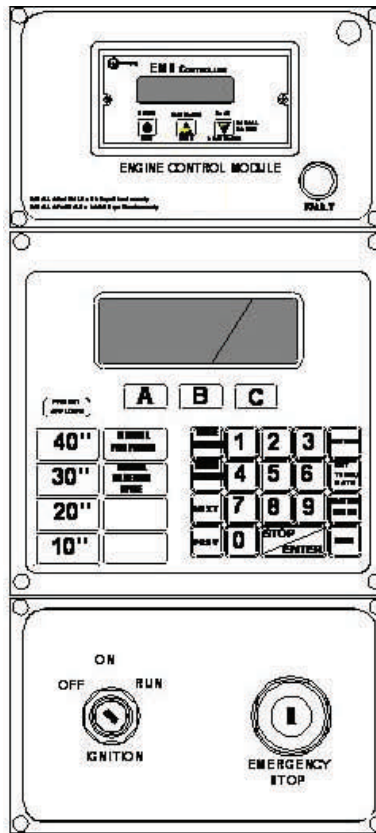
*If it doesn't say TUG, it's not TUG TUFF*

## Specifications

## Model ACU500

## Air Conditioning Unit

<b>Model</b>	<b>5134</b>
Refrigerant .....	HFC-134a
Air Delivery .....	550 ppm
Pressure (max.).....	40 in. w.c
Duct .....	2@14 in.
Compressor	
Make.....	Hartford*
Model.....	MSC 1218
Horsepower.....	200
Displacement.....	307 cu in
Generator	
Rating (continuous).....	275 kW
Temp. Rise .....	105°C
Insulation.....	Class H
Voltage Regulator .....	Full-Wave/Digital
Engine	
Make.....	Deutz
Model.....	BF6M1015C
hp (kW)** .....	385 (287)
Condensator	
Fan (HP).....	2@20ea.
Airflow.....	90,000 cfm
Rejection @ 50°C.....	1,576,000 Btu
Blower Horsepower .....	75 hp
Controls .....	Logic Controller
*Formerly Dunham-Brush Compressor Division	
**Net@ Flywheel	



"Command Center" instrument panel designed for easy operator use.

### Standard Instrumentation

Tachometer, Runtime, Voltmeter, Oil Pressure, Water Temperature, Fuel Level Indication and Alarm, Conditioned Air Temperature, Emergency Stop Switch

### Automatic Control System

Compressor Oil Level  
Refrigeration System Pressure  
Compressor Motor Temperature  
High Discharge Gas Temperature  
Air Flow Monitoring  
Crank Time Limit  
Crank Attempt Limit  
Low Oil Pressure Shutdown  
High Water Temperature Shutdown  
Overspeed/Underspeed Shutdown



### Equipment Sales

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Tel: (770) 422-7230 • Fax (770) 428-7315  
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### TUG Genuine Parts

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

