

ACU-808 AIR CONDITIONING UNITS



DESCRIPTION

The ACU-808-Series Air Conditioning Units provide passenger comfort for the largest aircraft in the most challenging ambient. These units are equipped with a vertical condenser air discharge for sound attenuation and consistent heat rejection under all wind conditions. Using R-134a refrigerant, the ACU-808-Series is environmentally "safe", causing no damage to the atmospheric ozone. Available truck or trailer mounted, the diesel powered ACU-808 Series is the air conditioner of choice for the future.

DESIGN ADVANTAGES:

- **Rotary screw compressor** with two mated helically-grooved rotors. Rotary motion ensures reduced vibration and uniform continuous gas flow over a wide range of evaporating and condensing temperatures. Compressor is not sensitive to liquid slugging. Automatic capacity control provides maximum efficiency.
- **Tier 2 / Com 2 engine**
- **Engine and compressor safety systems**
- **No pump down cycle required**
- **R-134a refrigerant** – environmentally safe will not harm the atmosphere
- **Simplified controls** – the operator's panel contains indicators required for operation

DESIGN FEATURES:

- **Short radius 5th wheel steering**
- **Electrically controlled air dampers**
- **"No freeze" evaporator** with a close temperature approach
- **Easy access hose storage** – The storage compartment is designed for (2) 30 foot hoses
- **Heavy Duty, 66-inch diameter, hydraulic condenser fan**
- **Easy maintenance** – All regular maintenance can be performed through easy access doors
- **Simplified automatic capacity control** – The simple electro-mechanical capacity control provides reduced capacity in cool ambients.
- **Filter drier** includes a fine-mesh monel filter and desiccant cartridge to maintain a clean, dry system.
- **ASME refrigerant receiver**
- **130 gallon fuel tank** provides for long hours of operation

Tolerances of data: +/- 5 %

Specifications may be altered due to a constant effort to improve performance.



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STANDARD UNIT :

- Frick rotary screw compressor
- (2) 12 inch outlets
- High performance centrifugal blower
- 24 volt DC electrical system
- Pressurized coolant system

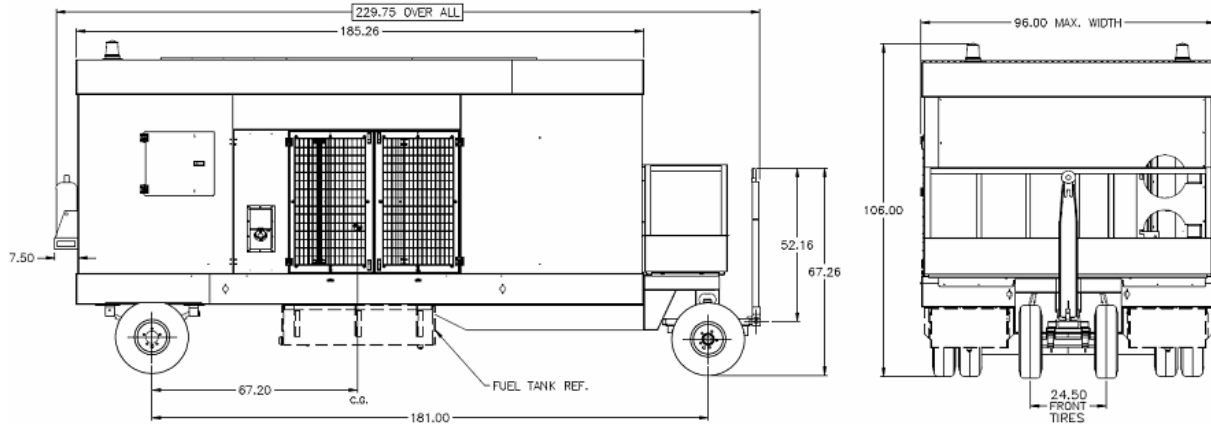
OPTIONAL EQUIPMENT :

- Low fuel warning and shutdown system with red or amber, flashing or rotating beacon
- (2) 30, 40 or 50 Ft. Hose Kits – including hoses, quick disconnect fittings, and aircraft couplers
- Refrigeration gage package
- Fuel filter with water separator
- Engine warm up and cool down timer

DESIGN SPECIFICATIONS:

TLD-ACE Model	ACU-808-DUS	ACU-808-DUP
Mounting	Truck	Trailer
Cooling Capacity	Nominal Refrigeration Tons (kW)	
Air Flow - Single Outlet	Lb/Min (Kg/Min)	
Air Flow - Dual Outlet	Lb/Min (Kg/Min)	
Supplied Air Temperature (@ 110°F & 60% RH)	°F (°C)	
Engine	Deutz BF8M1015C	
Compressor	Frick XJF-151N	
Capacity Control	Automatic, Pressure Controlled	

DIMENSIONS (Approximate)



* Skid units can be mounted on properly rated chassis. Dimensions shown are for module only. Overall dimensions depend on final mounting configuration.



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