



TRANSPORT AIR CONDITIONING



05G COMPRESSOR TECHNICAL DATA SHEET

05G

The Only Compressor You'll Ever Need.

The 05G bus air conditioning compressor is a perfect example of Carrier's leadership in advanced compressor design. Proven in more than 50,000 air conditioning installations, it's recognized as the industry standard for superior performance and exceptional reliability.

In fact, the 05G is virtually indestructible. It features time-proven, heavy-duty construction for extended life, and the highest reliability in the transport air conditioning industry. And, the 05G's exclusive 6-cylinder design features uncommonly smooth, balanced operation.

No other manufacturer of air conditioning compressors has the experience offered by Carrier Corporation, backed by the advanced R&D, engineering, and technological leadership of United Technologies.

Standard features

- **High Capacity, Efficiency at Lower Speeds.** Cooling capacities are equal to or better than any competitive model, with operating speeds at least 30% lower. Superior efficiency significantly reduces horsepower drain on the bus engine, reduces maintenance, extends life – and saves fuel.
- **Exclusive, Balanced Six-Cylinder Design.** From Carrier, the world leader in air conditioning compressor technology. Balanced crankshaft design minimizes torque pulsations for smoother operation, less wear on the bus engine and transmission.
- **Extended Maintenance, Lower Operating Costs.** Lower operating speeds, lower vibration, and less wear mean less maintenance and considerable savings on parts and labor over the life of the bus.
- **Large-Capacity Oil Pump.** Self-priming, reversible design provides dependable oil flow under cold or flooded start-up conditions, and more than ample pressure even when operating at low rpm.
- **Housing-Mounted Clutch** and large clutch bearing provide longer life.
- **Low Oil-Circulation Rate.** Less than 1%. Ensures superb operating efficiency.
- **Exclusive Compressor Unloading.** Saves fuel, increases efficiency, virtually eliminates coil freezing, and produces uniform temperature distribution for greater passenger comfort.
- **Industry-Leading Warranty.** Carrier Transicold's warranty provides the most extensive parts-and-labor coverage in bus air conditioning. Consult your Carrier Transicold representative for complete warranty details.
- **Certified for Use** with R-134a refrigerant.



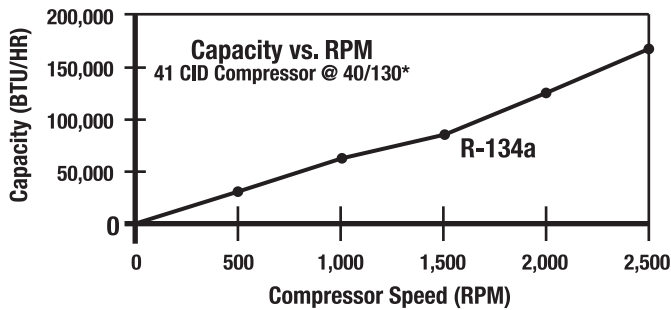
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Specifications

Type	Six-cylinder, open drive
Oil Level	1/2 of sightglass
Displacement	37 in ³ (606 cm ³); 41 in ³ (672 cm ³) optional
Weight	146 lb (66 kg) including clutch
Dimensions	17.44" (443mm) wide x 17.48" (444mm) deep x 16.16" (410mm) high
Speed Range	400-2,200 rpm (2,500 rpm intermittent speeds acceptable)
Allowable Belt-Side Loading	300 lb (136 kg)
Oil Charge	7.75 pints (3.67 liters)
Unloading Steps	33%; 67%

Specifications are subject to change without notice.



* 40°F (4°C) Saturated Suction Temperature/
130°F (54°C) Saturated Condensing Temperature.



Carrier

A United Technologies Company

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