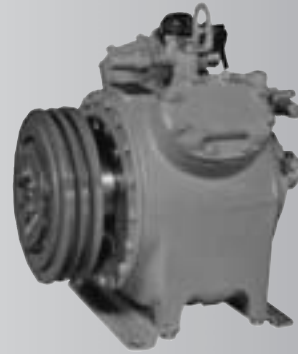




TRANSPORT AIR CONDITIONING



05K COMPRESSOR - CARRIER TRANSPORT A/C TECHNICAL DATA SHEET

A New Dimension in proven performance.

A product of Carrier's leadership in advanced compressor design, the 05K compressor brings you the next generation for bus air conditioning. It's the latest model of superior performance and exceptional reliability, from Carrier. Engineered to withstand punishing conditions, the 05K is virtually indestructible. Based on the 05G, the industry standard for high reliability, the 05K features time-proven, heavy-duty construction. And its exclusive four-cylinder design ensures exceptionally 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 Four-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's warranty provides the most extensive parts-and-labor coverage in bus air conditioning. Consult your Carrier representative for complete warranty details.
- **Certified for Use** with R-134a refrigerant.





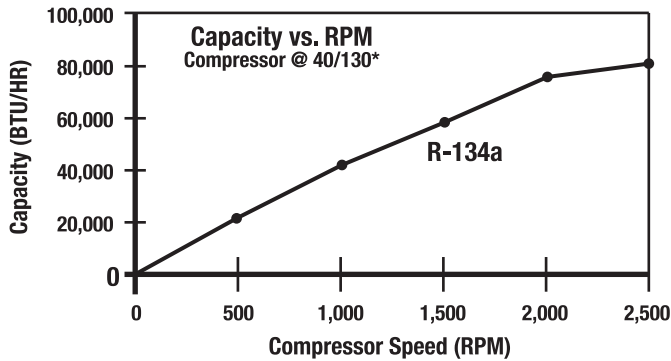
TRANSPORT AIR CONDITIONING

05K COMPRESSOR - CARRIER TRANSPORT A/C TECHNICAL DATA SHEET

Specifications

Type	Four-cylinder, open drive
Oil Level	1/2 to 1/3 of sightglass
Displacement	24.4 in ³ (400 cm ³)
Weight	108 lb (49 kg) including clutch
Dimensions	12.73" (323mm) wide x 12.86" (327mm) deep x 16.88" (429mm) high
Speed Range	400-2,200 rpm (2,500 rpm intermittent speeds acceptable)
Allowable Belt-Side Loading	300 lb (136 kg)
Oil Charge	5.5 pints (2.6 liters)
Unloading Step	50%

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

Carrier Transport Air Conditioning
Carrier Corporation
50 Grumbacher Road
York, PA 17406
717.767.6531
800.673.2431
Fax 717.764.0401

www.transportaircon.carrier.com

Specifications are subject to change without notice. ©2008 Carrier Corporation. A member of the United Technologies Corporation family. Stock symbol UTX. Printed in USA 0208. Form 62-02625 Rev. D