



- Continuous operation helps reduce compressor starts/stops for added reliability, reduced maintenance and increased compressor longevity.

**Compact design** — compared to its semi-hermetic counterparts, the K5 delivers big performance in a small package.

- Enhances application flexibility
- Improves serviceability throughout the lifecycle

**Wide application range** — the K5 line has been expanded to cover small- to large-capacity requirements in medium- and low-temperature applications.

- 7.5 to 17 hp, including five medium-temperature and four low-temperature displacements
- 58.9 to 115 kBTU/hr cooling capacity in medium-temperature with R-404A
- 32 to 54.1 kBTU/hr cooling capacity in low-temperature with R-404A and liquid injection
- 47.3 to 75.5 kBTU/hr cooling capacity in low-temperature with R-404A and vapor injection

For those seeking to move away from hydrofluorocarbon (HFC) refrigerants, the K5 line is certified for use with low-GWP, hydrofluoroolefin (HFO) alternatives R-448A and R-449A. In addition, the K5 is now manufactured in the United States, helping to reduce lead times for our North American customers.

If you're looking to reduce energy costs and improve operational reliability, the Copeland Scroll K5 line of compressors delivers leading refrigeration performance. [Click here](#) to learn more.

## The advantage of onboard CoreSense™ Diagnostics

CoreSense provides advanced features to help ensure maximum reliability and optimum system performance in the most demanding operating environments.

- Detects early warning signs of system issues, provides LED alerts and sends remote communications
- Protects compressor when catastrophic conditions are detected to help prevent costly failures
- Improves speed and accuracy of system troubleshooting by displaying fault codes

Diagnostic capabilities include:

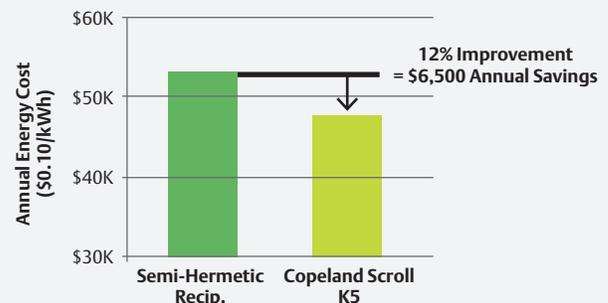
- Discharge temperature protection
- Motor protection
- Asset information
- Compressor proofing
- Remote reset
- Current sensing diagnostics
- Modbus communications

## Proven energy efficiencies

Compared to semi-hermetic reciprocating compressors, some case studies have shown the K5 to be more energy-efficient in supermarket applications. The following Atlanta supermarket case study demonstrates the effectiveness of the K5 — using one low-temperature (LT) subcooled to 50 °F liquid and one medium-temperature (MT) rack.

*K5 compressors deliver significant energy improvements in an Atlanta supermarket case study.* ▶

### Atlanta Grocery Store Compressor Analysis



Analysis assumptions:  
Atlanta store with 1 LT (subcooled to 50 °F liquid) and 1 MT rack