

Copeland Scroll™ Compressors with CoreSense™ Communications

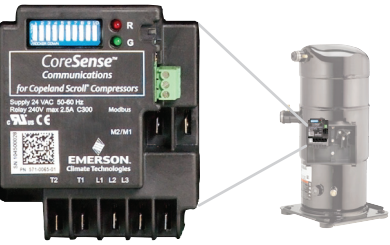


Enhanced reliability and increased uptime in commercial air conditioning applications.

Communication, protection and diagnostics onboard.

For years, Copeland Scroll compressors have been setting the standard in commercial applications with proven reliability and superior performance. Now, commercial customers can receive advanced diagnostic and protection benefits onboard Copeland Scroll compressors.

Introducing the industry's first ever Copeland Scroll compressors with CoreSense Communications onboard. With this added feature, Copeland Scroll compressors can stream real-time diagnostics information on the compressor's operation to the system controller. By using the compressor as a sensor, valuable data from inside the system can be accessed and monitored in real time by the controller, improving performance and reliability – even proactively shutting down the compressor to prevent a catastrophic failure.



Integrated CoreSense™ technology delivers enhanced reliability for Copeland Scroll™ compressors

Diagnostics and Protection

- Missing Phase
- Reverse Phase
- Short Cycling Protection
- Motor Temperature Protection
- Fault History

Communication Protocol

- Modbus – Current
- BACnet – Future

Emerson CoreSense Technology

CoreSense technology gives technicians access to information inside the compressor so they can identify performance issues quickly and accurately to ensure greater reliability. When adverse operating conditions are detected, CoreSense shuts the compressor down to prevent system damage, saving contractors and end-users money.

Real time communication enables improved protection.

Temperature protection inside the compressor is a critical feature to ensure the reliability you have come to expect with Copeland Scroll compressors. With the ability to stream data real time to the system controller, your system now has a level of control never before offered in the industry. Proactive measures can now be taken to maintain overall comfort and maximum uptime, something your customers will love.

Unlock new, invaluable information.

Not only can Copeland Scroll compressors with CoreSense Communications provide real time data to the system controller, but it can also provide you with historical information. Faults that might have occurred in the past week and over the entire life of the compressor are available at your fingertips. Having this information allows the technician on the job to know exactly what the system is experiencing. That means shorter and fewer site visits, saving you and your customer time and money.

Model	HP	BTU/hr	EER @ ARI	Diagnostics	Protection	Communication
ZP236KCE	20	238,000	11.1	✓	✓	✓
ZP296KCE	25	298,000	11.1	✓	✓	✓
ZP385KCE	32	385,000	11.1	✓	✓	✓
ZP485KCE	40	485,000	11.1	✓	✓	✓

For improved system performance and end-user peace-of-mind, make sure you install systems with Copeland Scroll compressors with CoreSense communications.

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