



# *Air Cooled Condensing Unit*

1/2 - 6 HP with Scroll Compressors  
Sales Brochure



## Product Overview

Think inside the box of the ½ - 6 HP air-cooled condensing unit from Heatcraft Refrigeration Products. Exclusive features such as HyperCore™ microchannel coil technology, optional variable speed EC (VSEC) motors with Orbus™ Controller and optional factory-installed Smart Defrost Kit™ (SDK) make this the highest performing condensing unit available on the market today.

The ½ - 6 HP condensing unit with HyperCore™ microchannel coil technology from Heatcraft Refrigeration Products is engineered as an energy efficient and environmentally friendly product. It offers advancements that save energy, reduce operational costs, use less refrigerant, reduce sound, and improve durability and system performance.

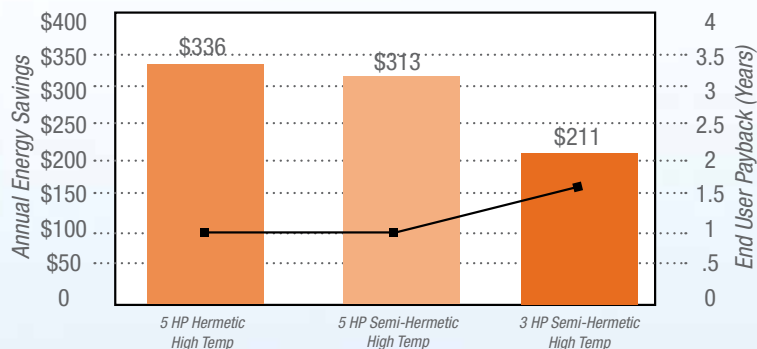
### VARIABLE SPEED EC MOTORS WITH ORBUS™ CONTROLLER by INTERLINK™

VSEC motors with Orbus™ Controller from InterLink™ control the speed of motors in response to loads. Choosing this option provides stable head pressure and quick response to load changes. This optimizes system performance, reduces energy consumption, provides improved compressor durability and improved product integrity.



### VSEC ENERGY SAVINGS

The VSEC system saves energy and reduces costs for the end user through fan motor and compressor energy savings. The payback period for adding this option can be as quick as 1 to 2 years on many models.



NOTE: Chart based on \$.08/kWh



## SCROLL COMPRESSOR EQUIPPED

Choosing a scroll compressor sets the stage for optimum efficiency. When paired with a variable speed fan motor with the Orbus Controller, Hypercore Microchannel condensers, and factory installed Smart defrost kit (SDK), customers can see payback in under 2 years. Available in 1 - 6hp. Multi-temperature and low temperature scroll suited for multi-refrigerant types (R-404A/507, R-407A, R-407C, R-448A and R-449A).

### Benefits of Scroll

- Efficiency
  - Scroll compressors use up to 30% less energy when compared to an equivalent reciprocating hermetic compressor
- Reliability
  - The functional parts of a scroll compressor allow small amounts of liquid refrigerant to disengage the compressor and prevent damage, something that would be catastrophic for a reciprocating compressor
  - A scroll compressor has 85% fewer moving parts; therefore, substantially reducing failure points and equating to longer compressor life
- Quiet Operation
  - A scroll compressor, in operation, is up to 10dB quieter than a reciprocating compressor
- Proven
  - Since 1980, scroll compressors have been in the marketplace, outperforming reciprocating compressors, all while saving customers energy and money

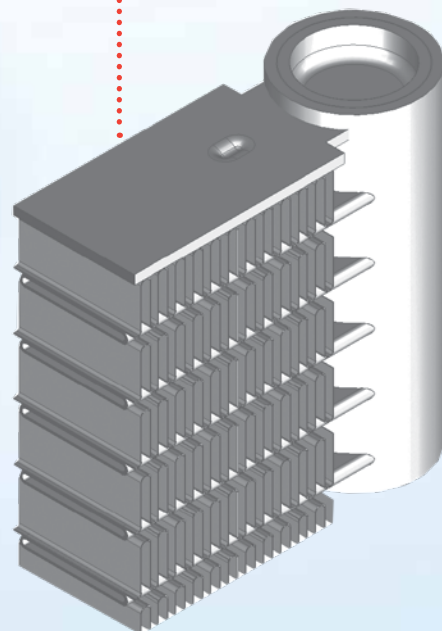


## HYPERCORE™ MICROCHANNEL COIL TECHNOLOGY

Available exclusively from Heatcraft Refrigeration Products, HyperCore microchannel coils are structurally robust, highly corrosion resistant, use less refrigerant and dramatically reduce the potential for leaks.

### Benefits of Hypercore

- Structurally Robust
  - The HyperCore microchannel coil is extremely rigid and resistant to damage
- Corrosion Resistant
  - Monometal (aluminum) construction eliminates potential for galvanic corrosion.
  - HyperCore microchannel coils outlast traditional copper-aluminum round-tube plate fin (RTPF) coils with epoxy coating by up to two times
- Reduced Refrigerant Charge & Reduced Costs
  - HyperCore microchannel coils require up to 75% less refrigerant than conventional RTPF coils, resulting in up to a 40% reduction in refrigerant needs and end user costs
- Reduced Potential for Leaks
  - HyperCore microchannel coils require only one braze operation vs. 50-100 manual braze operations for RTPF, significantly reducing the likelihood of leaks
- Environmentally Friendly
  - 100% recyclable
  - Reduced refrigerant helps decrease the potential for ozone depletion and global warming
  - Multi-refrigerant compatible
- Warranty
  - The HyperCore microchannel coil is backed by a two-year warranty





2175 West Park Place Blvd. · Stone Mountain, GA 30087  
Phone: 800.537.7775 · Fax: 770.465.5900  
[heatcraftprd.com](http://heatcraftprd.com)