



Frequently Asked Questions

Q1. What is the G-Series 1/2-6 HP outdoor condensing unit?

A1. Building upon the Heatcraft Worldwide Refrigeration legacy of quality, the G-Series 1/2-6 HP outdoor condensing unit is centered around the industry leading microchannel coil which, in conjunction with scroll compressor technology, is designed to deliver operational efficiency. In addition, Heatcraft has updated its pricing strategy on scroll compressors to deliver a quicker return on investment in a quality refrigeration condensing unit.

The G-Series contains multiple enhancements, targeted at improving service providers' interaction with the unit in the field and operational efficiency gains, while maintaining the performance characteristics of the current Heatcraft outdoor condensing unit offering. Heatcraft is also proud to introduce an InterLink™ hermetic compressor offering that gives our customers a choice when it comes to selecting the right compressor for their operation.

Q2. What are the key benefits of this product?

A2. The key benefits of the G-Series 1/2-6 HP outdoor condensing unit are:

- Multi-temperature, multi-refrigerant capable scroll compressors
- Microchannel coil technology standard on all units
- 8%+ smaller unit footprint when compared to the current design
- 50%+ larger electrical box when compared to the current design
- Service valves with line side Schrader
- Recessed microchannel coil to prevent incidental contact damage
- Customer connection raised above base for ease of install
- Robust shipping pallet to reduce stacking freight damage
- Easier to service fans

Q3. What new configurable options are available on the G-Series?

A3. The below configurable options have been made available on the G-Series:

- Unpainted galvanized cabinet
- Robust electrical diode (E-Coat) coated microchannel coil
- VSEC available on 460V units
- Discharge line check valve
- Discharge line relief valve
- Three receiver options (B, C, and D cabinets)
- Adjustable fan cycling

Q4. What is microchannel coil technology?

A4. Microchannel condenser coils are all aluminum coils with multiple flat tubes containing small channels (microchannels) through which refrigerant flows. Heat transfer is maximized by the insertion of angled and louvered fins in-between the flat tubes. These components are joined with two refrigerant manifolds using an aluminum-zinc alloy brazing material in a nitrogen-charged braze furnace to make the completed microchannel coil.

Coil circuiting is accomplished by placing baffles in the distribution manifolds to feed the refrigerant through the flat tubes.



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Q5. What are the benefits of the G-Series condensing unit's improved compressor offering?

A5. Scroll Compressors

- Addition of 1 HP and 1.5 HP scroll compressors
- Multi-temperature, multi-refrigerant (R404A/507, R407A/C) capable
- Will be cataloged from +40°F SST to -25°F SST
- Lower list pricing structure for scroll compressors compared to today's offering - savings of 3-8%, approaching hermetic pricing levels

InterLink™ Hermetic Compressors

- Newly released InterLink™ hermetic compressors
- Medium and low temperature models available
- ½ HP to 3 HP compressor models available
- List pricing will be similar to comparable hermetic model(s) in today's ½-6 HP outdoor condensing unit offering

Q6. Does Heatcraft manufacture the InterLink™ compressor?

A6. Heatcraft has partnered with Kulthorn Kirby Co. Ltd., a Thailand-based manufacturer, to introduce a line of InterLink™ hermetic compressors. The compressors are manufactured at a Lennox-approved facility in Thailand, inspected, tested, and shipped to Heatcraft North America.

InterLink™ hermetic compressors have undergone rigorous performance testing at the Heatcraft Global Lab in Stone Mountain, Georgia, along with in-field operational testing in the Southeastern United States. The laboratory and in-field testing of the InterLink™ compressors yielded satisfactory results that meet Heatcraft operational standards.

Q7. Who is Kulthorn Kirby Co. Ltd.?

A7. Kulthorn Kirby Co. Ltd. (KK) is a Thailand-based manufacturer of refrigeration and air conditioning components, in business since 1980. KK serves as an OEM for refrigeration and air conditioning components for many manufacturers worldwide, including those who sell into the North American market. The KK compressor production facility holds ISO 9001:2008, ISO 14004:2004, and OHSAS 18001:2007 certification, conducted by Bureau Veritas Certification.

Q8. What is the InterLink™ compressor warranty period?

A8. InterLink™ compressors are covered by a two (2) year warranty from the date of manufacture of the condensing unit.

Q9. Will InterLink™ compressors be stocked at my local wholesaler?

A9. InterLink™ compressor replacements covered under warranty will be handled directly with the Heatcraft InterLink™ Parts Department. Heatcraft will continue to explore options for InterLink compressor warranty replacements in the future, and additional announcements will be made as appropriate.

Q10. Which refrigerants can be used with the G-Series condensing units?

A10. The Copeland ZSKA scroll compressors can be used with multiple refrigerants, including R404A/507 and R407A/C. Capacity ratings for medium and low temperature applications are published in the G-Series ½-6 HP Outdoor Condensing Unit technical bulletin.

The InterLink™ hermetic compressors can be used with R404/507 refrigerant.



Frequently Asked Questions

Q11. What is the warranty period on the G-Series?

A11. The warranty period will be one (1) year (parts) - no change from the warranty currently available on the Heatcraft 1/2-6 HP Outdoor condensing units.

Q12. Is the G-Series available in all Heatcraft brands?

A12. The G-Series is available in all Heatcraft brands, including Bohn, Larkin, Climate Control, and Chandler. The desired brand will be selected as part of the purchase order placement or configuration processes.

Q13. Can the G-Series be ordered with a round tube plate fin condenser coil?

A13. The G-Series comes standard with industry leading microchannel coil technology. Round tube plate fin coils are not available on the G-Series condensing unit. If round tube plate fin coils are required, please refer to the 1/2-6 HP Outdoor Condensing Unit technical bulletin and price list.

Q14. Can the G-Series be ordered with a semi-hermetic compressor?

A14. Semi-hermetic compressors are not offered on the G-Series. If semi-hermetic compressors are required, please refer to the 1/2-6 HP Outdoor Condensing Unit technical bulletin and price list.

Q15. Can the G-Series be ordered with a Copeland hermetic compressor?

A15. Copeland hermetic compressors are not offered on the G-Series. If Copeland hermetic compressors are required, please refer to the 1/2-6 HP Outdoor Condensing Unit technical bulletin and price list.

Q16. Can the G-Series be ordered for an indoor application?

A16. The G-Series are offered as outdoor models. If an indoor condensing unit is required, please refer to the 1/2-6 HP Outdoor Condensing Unit technical bulletin and price list.

Q17. What options are not available on the G-Series?

A17. The below options are not available on the G-Series. If any of these options are required, please refer to the 1/2-6 HP Outdoor Condensing Unit technical bulletin and price list.

- Round tube plate fin coil
- Semi-hermetic compressor
- Replaceable core filter
- Oil separator
- 50HZ defrost timer and contactor
- Fused and non-fused disconnect
- Fixed temperature and fixed pressure fan cycling control