



## Condensing Units

### NEW High Efficiency H-Series Condensing Units\*

#### Features:

- Five different compressor options including Scroll and reciprocating from Copeland and Bitzer.
- Condensing units equipped with ¼ hp PSC fan motors operating at 1075 RPM.
- New front grille design that reduces static air pressure relative to legacy H-Series units.
- Refrigerants available are R-404A, R-507A, R-407A, R-407F, R-448A, and R-449A with data plates showing all refrigerants that exceed DOE 2020 requirements.
- Voltages available are 208/1/60, 208/3/60, 460/3/60, and 575/3/60 for Canadian applications, and are limited only by compressor availability.

#### Benefits:

- Over 900 different configurations that meet the new DOE 2020 AWEF ratings that cover low and medium temperature units for indoor and outdoor applications.
- Condenser fan blade is a more efficient design with a deeper pitch to maximize air flow across the condenser.
- Electrical panel on outdoor units moved to the side to provide better air flow and access for service.
- Outdoor models come standard with an adjustable head pressure control to allow optimization by refrigerant and application.
- Outdoor models with multiple condenser fans include ambient temperature control to cycle off half the fans below 40°F.

### CS/CP/CD Large Air-Cooled Condensing Units\*

- Air-cooled condensing units are easy to customize and install. Built-in flexibility for a variety of applications with units available from 10 to 120 hp configurations.
- Rugged all-weather galvanized housing with large service panels and rigging slots for easy installation.
- Compressors are rigid mounted to reduce risk of line fatigue failure and leaks.
- 30" statically and dynamically balanced direct drive fans.
- Condenser constructed with 3/8" rifled tubing for maximum efficiency.
- Fan sections are divided by full width baffles to prevent air by-pass.
- Standard three-phase, 1.5 hp fan motors operating at 1140 RPM providing maximum efficiency with low noise.
- Floating coil design that virtually eliminates leak potential due to thermal expansion and contraction of copper tubing.



# Heat Transfer Products

THAT PROVIDE LASTING SOLUTIONS



For nearly 90 years, Krack, a Hussmann Corporation brand, has been committed to delivering products with design leadership and innovation that provide customer-focused solutions for all your commercial refrigeration needs.

Today, Krack offers the most extensive product selection of evaporators, condensing units, condensers, and dry fluid coolers that maximizes overall operating performance, improves energy efficiency, and lowers total refrigerant charge.

## Krack value added product features.

- Extensive inventory and warehouse fulfillment for quick turnaround.
- Enhanced tube and fin surface areas for increased capacities – rifled tubing.
- Vast selection of DOE 2020 condensing unit solutions that meet minimum AWEF ratings.
- Krack products meet all National (including Canada) and State refrigerant regulations. Some refrigerants are not permissible in certain states and Canada.

\* Broad range of DOE compliant condensing units for WICF applications that have a chilled storage area of 3,000 square feet or less. Please visit [www.krack.com](http://www.krack.com) for more information on the H-Series Legacy products and Large Air-Cooled Condensing Units.



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Products that provide lasting solutions.



Krack is a leading provider of industry leading product solutions in the US, Canada, and Latin America for supermarkets, retail including and not limited to food, beverage, wine, breweries in addition to cold storage warehouses and distribution centers.

In addition to Heat Transfer solutions, the entire system (excluding cases) portfolio is available through Hussmann including:

- Parallel Racks
- Proto-Aire
- Port-A-Pak
- Pump Stations
- CO<sub>2</sub> Systems

Visit [www.hussmann.com](http://www.hussmann.com) for more information.



### Dry Fluid Coolers

Decrease the stress of temperature extremes on vital components in your manufacturing process.

- Durable construction that minimizes tube wear, system breakdown, and refrigerant loss.
- Available with up to 14 fans.
- Four fan and motor combinations allow optimum balance of sound and CFM output.
- Individual fan baffles help avoid the “wind milling” effect.
- Flow rates up to 450 GPM and THR over 3,500 MBH.
- Available with vertical or horizontal air flow.
- Quieter™ fan blade uses swept wing technology to reduce noise levels.
- Versatile fan cycling controls available based on customer specifications.
- Custom circuiting and sizing provided for each job to match the correct unit to the correct application.
- Electrofin coating available.



### Levitor II Condenser

- Designed to operate in the toughest conditions. The durable construction minimizes the stresses of temperature extremes on vital components, minimizing tube wear, system breakdown, and refrigerant loss.
- For use with halocarbon refrigerants, glycols, and other fluids.
- **Dedicated stainless steel tubes and unique coil support system isolate refrigerant tubes from the unit. The coil support is transferred from the fins to the stainless tubes and truncated tube plates which ride freely in “C” channels. Tubes expand and contract without interference.**
- Fan and coil vibration is isolated from the cabinet, ensuring it is not transmitted to the unit frame and building supports.
- Customized computerized circuiting program minimizes condenser refrigerant charge and maximizes sub-cooling.
- Multi-fan sections allow individual fan cycling while preventing off-fan “wind milling.”
- High-efficiency coil features copper tubes that are mechanically expanded into corrugated full collared aluminum fins spaced 8, 10, or 12 per inch.
- Electrofin coating available.

### Microchannel Air-Cooled Condenser

The Microchannel Air-Cooled Condenser represents Krack’s commitment to sustainable solutions. Microchannel offers dramatic value-added features not available on traditional condensers.

- Reduce refrigerant charge expense by as much as 75%!
  - High efficiency coil with reduced internal volume.
  - Optional electronic head pressure/coil reduction controls reduce winter flooding charge.
- Save on building construction costs.
  - Reduced weight by as much as 40% over conventional condensers.
  - Low profile and smaller footprint reduces screening requirements.
  - Integral structural framing reduces curbing costs.
- Available in 2, 4, 6, 8, 10, 12, and 14 fan configurations.
- Reduced life cycle costs to the customer.
  - Easily replaceable coil sections.
  - Coil sections common between all models means enhanced parts availability.
  - Easily cleanable coil.
  - Optional coil filter screen.
- Electrofin coating available.



### Evaporator Coils

Krack evaporator coils deliver superior reliability and performance for air circulation and temperature control.

- A broad range of application solutions are available with capacities ranging from 3,700 to 247,000 BTU including:
- Small walk-in coolers
  - Mid-size warehouse storage and distribution centers
  - Large food processing and manufacturing plants

**Type of Refrigerant:**  
Halocarbons, Glycol, Brine, and CO<sub>2</sub>.

**Construction Materials:**  
Copper tube/aluminum fin.

- Product configurations cover a broad range of needs including high static pressures, strict sound requirements, low velocity for comfort, or high velocity for blast freezing.
- Defrost types include air, electric or hot gas for both the coil and defrost pans.
- Coils feature various materials and coatings to meet corrosion resistant needs, including electrofin.

## NEW PRODUCT SOLUTIONS



### Variable Speed Condensers\*

Vspeed energy efficient motor solutions for the Levitor II and Microchannel condensers.

- New and low cost drop-in retrofit motor and drive for existing Krack condensers.
- Multiple controller solutions available.
- Motor electronics isolated from vibration and rain.



### MK Quiet Series Evaporator Unit Cooler\*

An innovative solution that is quieter at full speed and virtually silent at slow while providing energy savings on fan power up to 70%. Designed with remote monitoring and improved temperature control, the MK Quiet matches widely varying refrigeration requirements and is California Title 24 compliant.



\* **California Title 24 Regulations:**  
Meets the requirement for variable speed fans on condensers for walk-in coolers or freezers larger than 3,000 square feet for application in California.

### Contact Us

Please visit [www.krack.com](http://www.krack.com) or contact your sales representative for more information.

**Heat transfer products that provide lasting solutions.**

