



Innovent
Air Handling Equipment

Data Sheet



CUSTOM REFRIGERATION FOR PRECISE LOAD MATCHING

Don't settle for less.

Building professionals know that no two buildings are alike. And that's why Innovent designs and manufactures each refrigeration section in its air handling units to meet the specific design requirements of each building. In critical applications, Innovent can design unique, precise discharge temperatures like 70° F or 45° F instead of the common 55° F. In addition, Innovent can help you increase efficiency with larger condenser coils, deeper evaporator coils, premium efficiency condenser fans, and the latest in modulating compressor technologies.

Everyone benefits from Innovent's refrigeration expertise.

Imagine being able to specify the right-sized refrigeration for optimum energy and climate performance, the opportunity to create unique

configurations where space is limited, and being able to calculate and deliver the exact required performance for your application. You can gain these advantages and more when you work with Innovent.

Why Choose Innovent for Refrigeration?

- Optimize designs in limited space with Innovent's customized configurations.
- Increase efficiency with flexible coil sizing, premium efficient condenser fans, and variable speed compressor technologies.
- Achieve exactly the temperature you need for each application with Innovent's precise load matching of each unit.

BUILT **TO ORDER.** BUILT **FOR EFFICIENCY.** BUILT **TO LAST.**



CHOOSE THE BEST REFRIGERATION SYSTEM FOR OPTIMUM BUILDING INTEGRATION

Innovent Capabilities:

TYPE:	Air Cooled DX	Water Source Heat Pump (WSHP)	Water Cooled	Evaporative Condensing
Advantages	<ul style="list-style-type: none"> • Low cost • Industry familiarity/ simple design • No water required • Low maintenance 	<ul style="list-style-type: none"> • Efficiency • Compact design • Low noise • One coil for heating and cooling 	<ul style="list-style-type: none"> • Efficiency • Smaller footprint • Cleanable shell & tube condensers • Low noise 	<ul style="list-style-type: none"> • Efficiency • Smaller footprint • Large capacity
Considerations	<ul style="list-style-type: none"> • Ambient noise • Big footprint • Lowest efficiency 	<ul style="list-style-type: none"> • Limited capacity • Complexity • Higher first-cost for total system • Glycol required in geothermal 	<ul style="list-style-type: none"> • Need cooling tower with maintenance and water treatment 	<ul style="list-style-type: none"> • Weight • Requires water treatment • High first-cost • Maintenance • Complexity
Tonnage	5-400 tons	5-120 tons	5-400 tons	50-400 tons
Compressor Type	Scroll, Screw	Scroll	Scroll, Screw	Scroll, Screw
Modulation	Tandems, Digital Scroll™, Variable Speed, Slider Valve	Digital Scroll™	Tandems, Digital Scroll™, Variable Speed, Slider Valve	Tandems, Digital Scroll™, Variable Speed, Slider Valve

Need Low or High Ambient Temps?

Low Ambient

- By adding a Variable Frequency Drive that slows down the condenser fans, Innovent can design refrigeration systems to operate at temperatures down to 35° F.
- Utilizing flood-back controls, Innovent engineers can design low ambient operation down to -20° F.

High Ambient

- Innovent's engineers can design refrigeration systems for operation up to 125° F.



www.innoventair.com

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