

RDT EcoCool



RDT's EcoCool system was designed to meet the ever-increasing demands for environmentally responsible compliance within the food service industry.

DOE regulations require manufacturers to cut energy consumption by 20 - 40%. A third-party energy study proved RDT's Eco-Cool had energy savings in excess of 48%.

With the digital scroll compressor, the Eco-Cool system offers precise control of compressors, allowing what would typically require twelve compressors, to utilize two digital scroll compressors. For the customer's peace of mind, it also includes a back-up compressor for 100 % redundancy. With fewer compressors, the Eco-Cool system has a smaller footprint, lower refrigerant volume, lower installation costs and reduced electrical consumption.

Designed for Maximum Efficiency and Minimal Refrigerant Volume



Warranty Info.



Our Products

STANDARD FEATURES

- Digital Scroll Compressors
- 100% Redundancy
- Reduced Energy Consumption
- Minimal Refrigerant Volume
- Digital Compressor Controller with monitoring/alarming capabilities
- Stainless Steel Housing
- Rigid Steel Frame
- One Point Electrical
- Aluminum Fin Copper Tube Condenser
- Pre-Piped Suction and Liquid Lines

OPTIONAL FEATURES

- Fused Disconnect
- Suction Accumulator
- Pre-Piped Crankcase Pressure Regulator
- Oil Separator
- Coated Condenser for Salt Air Environment



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RDT EcoCool



The EcoCool system was specifically designed to meet the ever-increasing demands for environmentally responsible compliance within the food service industry. With the Digital Scroll compressor, the EcoCool system offers precise control of individual compressors, allowing an application that would typically require twelve compressors, to now utilize only two digital scroll compressors (one medium temperature and one low temperature). For the customer's peace of mind, it also includes a back-up compressor for 100% redundancy. With fewer compressors, the EcoCool system has a smaller system footprint, lower refrigerant volume, lower installation costs and reduced electrical consumption.

EcoCool will allow for refrigeration on all fixtures below by operating only two compressors

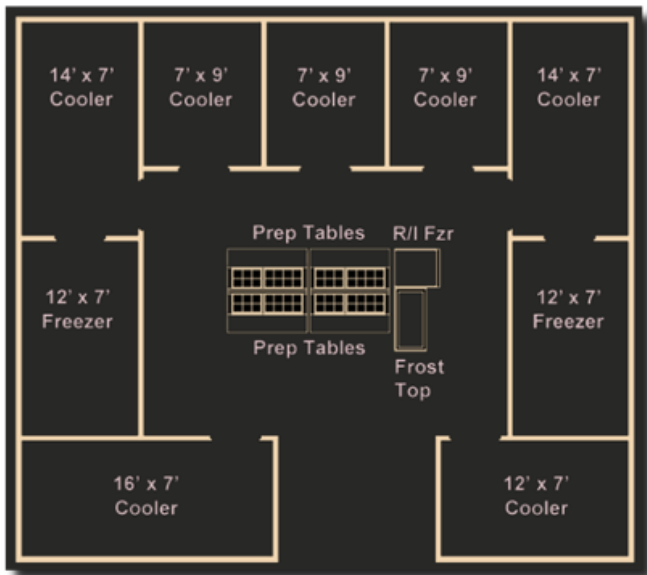
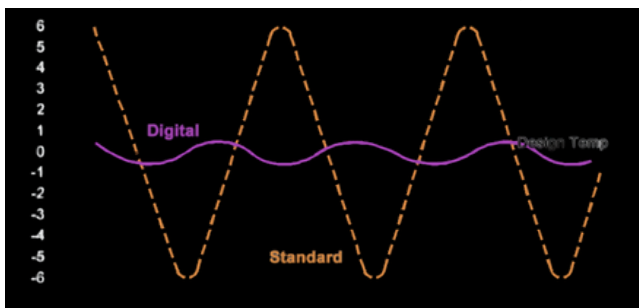


Chart A

Temperature Control Comparison Digital Vs. Standard Technology



Advantages of the Scroll Digital Compressor:



- Simple, Variable Modulation for Precise Temperature Control (See Chart A)
- Highly Flexible Load Matching, from 10% to 100% BTUH Capacities
- Reduced Power and Energy Consumption
- Can Be Applied to Multiple Evaporator Systems
- Reduced Compressor Cycling
- Linear Power Reduction Relative to Modulated Capacity (See Chart B)

Chart B

