



REFRIGERATION DESIGN TECHNOLOGIES, INC.  
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RDT's Eco-Cool system was designed to meet the ever-increasing demands for environmentally responsible compliance within the food service industry. Impending 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 scroll digital 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.

## ECO-COOL

Designed for Maximum Efficiency  
and Minimal Refrigerant Volume

### Standard Features:

- Digital Scroll Compressors
- 100% Redundancy
- Reduced Energy Consumption
- Minimal Refrigerant Volume
- Digital Compressor Controller
- Stainless Steel Housing
- Rigid Structural Steel Frame

- One Point Electrical
- Super Hose Connections
- Aluminum Fin Copper Tube Condenser
- Micro Set Dual Pressure Control
- Pre-Piped Suction and Liquid Lines
- Suction Filter, Sight Glass, Drier, Liquid Line Valve (All Brazed)

### Optional Features:

- Fused Disconnect
- Suction Accumulator
- Pre-Piped Crankcase Pressure Regulator
- Oil Separator
- Coated Condenser for Salt Air Environment
- E2 Controller for Monitoring, Alarming, Reporting

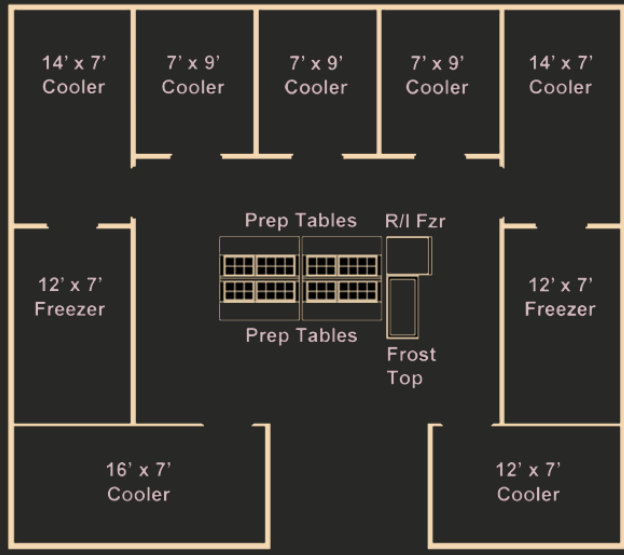


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Eco-Cool will allow for refrigeration on all fixtures below by operating only two compressors



## ECO COOL

The Eco-Cool system was specifically designed to meet the ever-increasing demands for environmentally responsible compliance within the food service industry. With the Scroll Digital compressor, the Eco-Cool system offers precise control of individual compressors, allowing an application that would typically require ten 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 percent redundancy. With fewer compressors, the Eco-Cool system has a smaller system footprint, lower refrigerant volume, lower installation costs and reduced electrical consumption.

### 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

Chart A

Temperature Control Comparison  
 Digital Vs. Standard Technology

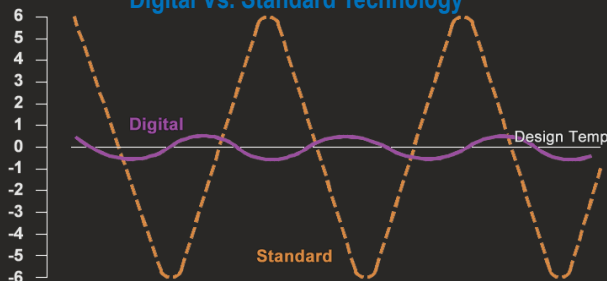


Chart B

Digital Scroll Linear Power Reduction

