

A vertical decorative graphic on the left side of the page, featuring a stylized green leaf with a white vein, set against a blue background that tapers to a point at the top.

U.S. Energy Independence & Security Act

In December, 2007, the Energy Independence & Security Act was signed into law. Effective January 1, 2009, this Act set higher standards for energy efficiency in walk-in coolers and freezers.

The following outlines Arctic's commitment to uphold these standards.

Arctic Industries Is Your Green Partner

As of January 1, 2009, all products are fully compliant with the change in local and federal law.

Insulation

- Arctic's Class 1 Urethane Foamed-In-Place Panels meet the code requirement for R-Value of R25 for Coolers and R32 in Freezers, while maintaining a 4" panel system.
- The vision panels on coolers are made with double pane glass.
- The vision panels on freezers are made with triple pane glass.

Doors

- Spring Loaded closers are used on all Arctic doors to ensure proper closure.
- Strip curtains will be provided by Arctic, or third party dealers, on all Walk-ins, to minimize infiltration of air when the doors are open.

Motors & Lighting

- Arctic provides a vapor-proof light fixture, with a screw in base, for an LED bulb. This lighting system uses 1/14 the energy of a standard, 75 watt, incandescent bulb. We also offer an automatic, motion sensor, light control as an option.
- Arctic uses high efficiency ECM motors for evaporators, and PSC motors for condensers.

Efficient & Intelligent Control

EcoNet® Enabled Unit Coolers are electronically controlled evaporators designed for energy efficiency and easier installation. Developed in conjunction with Rheem Manufacturing specifically for commercial refrigeration applications, it builds on the success, reliability and efficiency of Rheem’s EcoNet technology.*

- Saves energy by reducing fan speed to 50% during off cycle
- Maximizes energy efficiency with less compressor runtime
- Eliminates icing issues and unnecessary defrosts
- Improves product quality by reducing temperature fluctuations
- Can be used with a condensing unit with single and multiple evaporators as a group
- Available factory-installed on Next-Gen All-Temp Low Profile, Center Mount, Low Velocity Center Mount, Medium Profile, Heavy Duty, and Warehouse Unit Coolers for quick shipment directly from finished goods warehouses*



*Source: <https://s3.amazonaws.com/WebPartners/ProductDocuments/FD827456-0726-4380-A3CF-0E5E527E01F9.pdf>