

PureCell™ Solution

PureComfort™ Solution

PureCycle™ Solution

PureMotion™ Solution



A&P Fresh Market Opens for Business with

Latest Energy Efficient Technology
from **UTC Power**

Cooling, Heating and Power

Education

Health Care

Lodging

Manufacturing

Municipal

Office

Retail

Special

super-efficient

reliable

clean

energy-saving

alternatives

■ New grocery store is first to install PureComfort™ 240M solution in United States



Mount Kisco's new A&P Fresh Market opened with the latest energy efficient technology from UTC Power, a unit of United Technologies Corporation. The local supermarket is the first US customer to take delivery of UTC Power's new PureComfort™ 240M solution, a single-source, energy-savings system that converts fuel to electricity, high-efficiency cooling and heating. The new on-site generation system will significantly reduce the store's dependency on the electrical grid, while providing:

- power for the building's electrical needs
- sub-cooling for its refrigeration system
- cooling in the summer and heating in the winter
- desiccant regeneration

"A&P is proud to announce the installation of the first highly efficient, ultra low emission, Pure-Comfort™ cooling, heating, and power solution at our Mt. Kisco, NY A&P Fresh Market. We are glad to be helping the environment by leading our industry in employing this cutting edge, green technology. This product aligns with our corporate vision to protect the environment as well as producing bottom line energy cost savings."

*Frank D' Ariano
Vice President, Design and Construction
The Great Atlantic & Pacific Tea Company*

Project Profile:

- Equipment:** 4 microturbines integrated with a double-effect absorption chiller
- Commissioned:** December 2004
- Location:** Mount Kisco, New York
- Provides:**
- Cooling in summer & heating in winter
 - Sub-cooling for refrigeration system
 - Power for electrical needs
 - Desiccant regeneration

Total Estimated Output	
Cooling	150 RT
Thermal	900 MBH
Electrical	230 kW

Total System Efficiency	
~80% @ ISO conditions	

the future is here



UTC Power

A United Technologies Company

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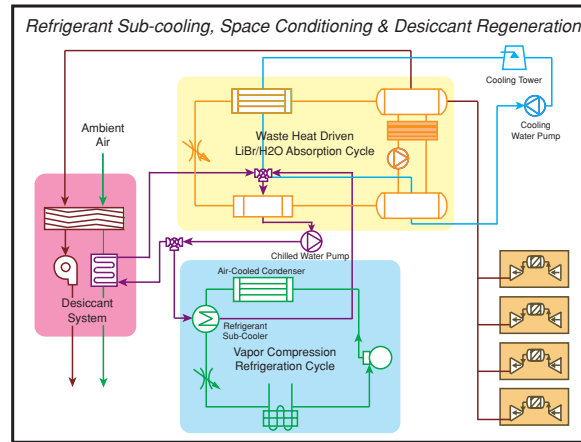
Retail

Special

PureComfort™ Solution Advantages

- **High energy efficiency** – PureComfort™ solutions provide high-efficiency cooling, heating, and power which can save on energy costs.
- **Reliable power** – Power is generated continuously at your location, exclusively for your building. This reduces your dependency on the grid and can help minimize power interruption – for higher year-round productivity.
- **Environmentally sound** – PureComfort™ solutions use no ozone-depleting fluorocarbons, and they produce ultra-low emissions which can qualify your building for significant financial incentives that can reduce your initial product and installation costs.
- **Pre-engineered solutions** – several PureComfort™ solution designs give you the flexibility to choose the model best suited to your needs, without the higher costs and longer lead times of developing a fully customized system.
- **Remote monitoring** – enables our service organization to monitor system performance 24/7, and respond quickly if there's ever a need, minimizing downtime.

A&P: Integration of PureComfort™ Solution



The PureComfort™ 240M solution is a combination of four 60 kW microturbines and a double-effect absorption chiller/heater from Carrier Corporation, UTC Power's sister company. It is the industry's first integrated microturbine and double-effect absorption chiller system. The microturbine exhaust is collected in a manifold and used to directly drive the double-effect absorption chiller, enabling the PureComfort™ 240M solution to achieve an overall fuel utilization of more than 80 percent, far greater than the 33 percent typical of a central power plant.

Each installed PureComfort™ 240M solution produces about 40% less CO₂ per megawatt-hour than the average fossil-fueled utility power plant and about 10,000 lbs per year less NO_x, the equivalent of taking more than 250 average passenger cars off the road.

"We are excited to see our PureComfort™ 240M solution installed in such a community-focused building as the A&P Fresh Market," said Jan van Dokkum, UTC Power president. "Our latest technology will not only translate into energy savings for our customer, but it will also mean more environmentally-sound operations for their customers and neighbors."

*Jan van Dokkum
President, UTC Power*

Besides benefiting supermarkets and other retail businesses depending heavily on refrigeration, the PureComfort™ 240M solution is well suited to provide power and space conditioning for hotels, office buildings, schools and health care facilities.



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