



**Clover Corporation** *HVAC Equipment*  
*Your FAMILY owned HVAC Supplier*

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## 2022 HVAC SAVINGS ARE HERE

MagicPak® maximizes every step of a multi-dwelling building's life  
Available as Gas Heat – Heat Pump – or Electric  
Now up to 14 SEER and 11 EER



### A Winning Story - Magic Pak® All-in-One HVAC

- ✓ Reclaim space for in-demand amenities
- ✓ Open-up outdoor social areas for recreation
- ✓ Inspire modern architectural design
- ✓ Uniform design means less to specify
- ✓ Ease of installation different tonnages same footprint
- ✓ Reduced maintenance costs over life of system
- ✓ Common issue of damage or theft avoided
- ✓ Trusted Choice for over 50 years

With luxury apartment living on the rise the Magic Pak® heating/cooling option answers all constituents' needs from developer to renter. Developers have a lower first cost advantage with \$500 in savings over split systems; facility managers have peace of mind when maintenance or service is required. The installing contractor saves time and costs because every unit is the same and different tonnages on different floors are no longer of concern. The tenant enjoys personal choice over the indoor environment.

The Magic Pak® All-in-One HVAC System enjoys a unique place in the HVAC industry owing its expertise to being the first on the market and leading the category of All-In-One HVAC systems for almost 60 years to a position of excellence. Be part of the Magic Pak® revolution, call us today on your next multi-family dwelling Available as ¾ Ton up to 3 Tons.



# Fresh-Aire

## Healthy Air for Home and Office

Since the onset of Covid, neutralizing airborne and surface organisms that can cause respiratory issues has become increasingly important through the means of air purification systems.



APCO's unique combination of UVC light and activated carbon has received high honors in the IAQ marketplace. The system sterilizes biological contaminants and neutralizes odors and toxic volatile organic compounds (VOC) that the CDC said causes indoor air pollution.

Four air treatment systems are available. The "Mini UV LED" is perfect for even that Concord™ mini-split system wall unit to create a healthier environment.

Fresh Aire's UV-APCO products were the first devices validated by Underwriters Laboratory (UL-2998) that validates air purification products.

Earning the AHR's Innovation Award for indoor air quality, Fresh-Aire's product line is definitely something to take notice of.

APCO also satisfies the green building building code, LEED®, GSA advantage®, CHPS, and the International Green Construction Code guidelines and directions.

Contact us for more information on this product line 860-528-0081.

# NEW NEW NEW

## HYBRID

### Heat Pump

From Allied Commercial™

The KDB, high efficient electric packaged heat pump with GAS BACKUP, is a state-of-the-art heating system that alternates between mechanical heat pump heating and gas heating depending on outdoor conditions, for the best of both worlds.

In heating mode, the HYBRID heat pump operates for the 1<sup>st</sup> stage of electric heat. If 1<sup>st</sup> stage is not satisfied, the 2<sup>nd</sup> stage (gas heat) becomes activated. An advantage to this dual-fuel system is having the highest efficiency possible during variable temperature changes. Good news for New England, where temperatures fluctuate seasonally and electric heat less efficient and more costly to operate.

Currently from 7 1/2 tons to 10 tons, the system is ASHRAE 90.1-2010 compliant, AHRI certified, and ETL listed. Units are efficiency rated at 12.9 IEER to 14.8 IEER and up to 3.6 COP.



Unit shown with optional Economizer and Outdoor Air Heats

The KDB features benefits such as bacnet controls; electric heat pump with gas backup; constant air volume or variable air (VAV); belt drive and direct drive; UVC germicidal lamps; 15-year stainless steel heat exchanger warranty; horizontal or downturn discharge.

This dual fuel rooftop offers today's HVAC marketplace a solution for lower operating costs for consumers while promoting energy efficiency and carbon reducing advantages!

# Concord™ FURNACES



## Saving money for your customers every step of the way!

Wondering if Concord™ is the right choice for you? Concord™ is perfect for those in need of an upgrade. Depending upon the model selected, 80 to 95% of the fuel purchased is converted into usable energy that saves money over the life of the equipment.

A 95% efficient gas furnace will save your customer \$343 more than a 90% efficient furnace over 5 years and \$1669 more than a 75% efficient furnace over the same time span.

Energize CT's rebate program adds to the savings when you upgrade your efficiency! As Energize partners, we can walk you through this process and help you get registered to receive these savings.

Concord furnaces are available from 35,000 BTU through 125,000 BTU, in efficiency ratings from 80 to 95%, with two stage heating, variable speed motor for greater comfort and better airflow that matches the air conditioning.

A 45,000 BTU furnace can match to a 400 CFM A/C unit up to a 1200 CFM A/C.

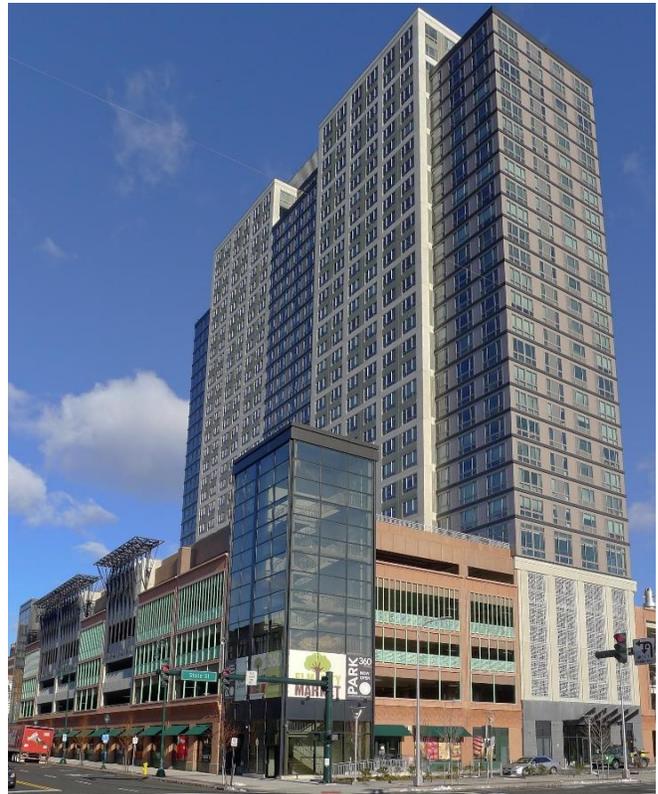
Stay informed about new Concord™ systems coming to market by visiting our website at: [www.clover-corporation.com](http://www.clover-corporation.com).

Still unsure if Concord is right for you? Take a look at the Audubon!

The award-winning design of Audubon Apartments in New Haven (Right) is home to 270, 92% efficient Concord™ 33" compact furnaces and model 4AC-13 air conditioners.

Designed to take up less space in multi-family facilities, Concord™ equipment was a perfect match.

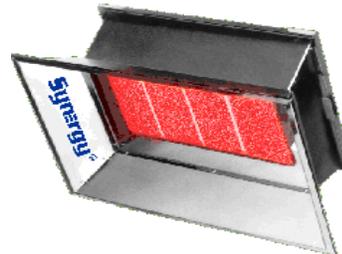
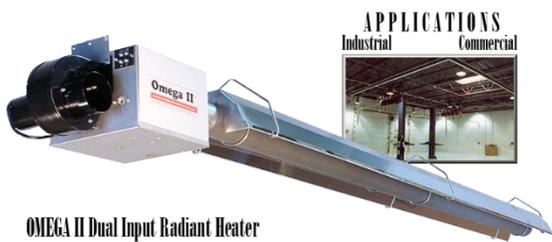
The savings the Audubon receives by choosing Concord™ efficient furnaces, will add-up over the life of the system and the 10yr limited parts warranty, plus **a limited lifetime warranty** on the heat exchanger will offer residents and developers peace of mind for years to come.



# *Infrared Broadens its appeal in Winter*

This winter restaurants, manufacturing, automotive and airport hangars have made the switch to InfraRed to **save on energy costs** when installing heat. While these are the typical installations we have been seeing, just about every type of facility can improve their energy cost bottom line with infrared heat.

Radiant infrared heat is like bringing the sun indoors. You actually feel warmer at lower temperatures because, with radiant heat, people and objects are heated not just the air. There are two popular types of infrared heaters sold: low intensity, tube types and high intensity the open flame variety. Portable Patio type heaters are also available but are limited in the area they're able to cover. Each has their own application advantages within the marketplace.



With the onset of COVID 19, restaurants took a deep dive as people couldn't gather indoors. Outdoor dining became the new way to socialize, and restaurants needed to adapt. By installing infrared heaters, restaurants were able to maintain a better client base than those who didn't. Brick House Wood Fired Pizza in Danbury, CT (Below) and The River restaurant in Wethersfield, CT are examples of recent restaurant installations with low intensity infrared heat that are retaining diners and encouraging new business to visit and eat in comfort.



Since infrared heats objects and people, it is often used in facilities where there is a lot of outside air that would be difficult to heat with conventional furnaces or unit heaters that only heat the air.

The use and demand of low intensity infrared has grown because of this, and rebate assistance for its energy saving quality has been offered to those who install it. As an Energize CT Partner, we offer contractors assistance for their customers who want to file for rebates for infrared heat.



Gas Engine Chillers from 150 to 400 tons offer an alternative to electric cooling to reduce summer demand rates. By reclaiming heat from the engine, they provide great energy savings in installations where hot water is used by providing free hot water and a lower carbon footprint.

Their quiet operation and lowest fuel input, per unit of cooling, of any chiller, makes it the environmental choice for today's commercial and industrial customer.



Ideal for retrofit applications:

- The footprint of the gas chiller is comparable to an electric chiller
- **Reduces energy costs over electric by as much as 60%.**
- Tecogen's patented ultra-low emissions technology, **Ultra**, reduces NOx, CO, and hydrocarbon **emissions to near ZERO levels.**

Up to 225°F, high-temperature heat recovery is available without any additional fuel input freeing up electric capacity for other purposes.

An oil containment tank, a new advancement, eliminates the issue when there isn't enough room next to the chiller for a drum. The tank is located as part of the chiller package and reduces the work technicians had of transferring oil from drums to tank and back again. At UCONN, Storrs, the 4 – 400 ton Tecochills have their own reservoir on the floor below.

A leading manufacturer of *clean technologies*, Tecochill has proven to consistently reduce emission pollutants, and provide a highly efficient, cost-effective alternative to electric chillers. For more information call us at 860-528-0081 or [info@clover-corporation.com](mailto:info@clover-corporation.com).

With 11 Factory Service Centers in North America, Tecochill gas engine cooling is providing cost effective solutions to the volatile US electric grid and offering residential and commercial customers a cost effective alternative to expensive electric cooling options.





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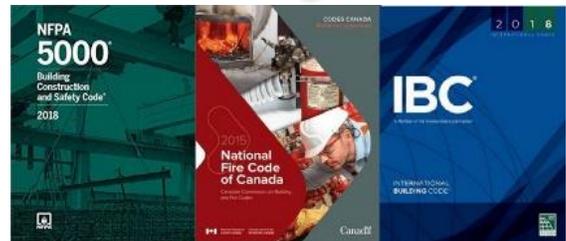
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# Change is on its Way



- Stricter Efficiency Regulations
- New Codes
- Product Changes



Our modern world comes at an increased cost. These costs are on the rise in part by the increasing cost of energy. How can we build, manage, and operate in a smarter more strategic, efficient way? How can we save costs? Manufacturers offer us some solutions here!

In this edition of *Clover News*, we highlight the cost saving benefits provided by several HVAC manufacturers and the energy saving features they provide today's consumers.

We take pride in being mindful of and promoting energy conservation solutions. We believe that we can harness the spread of pollution that threatens our planet through technological advances designed to do so and provide a cleaner environment for all. We are all part of the solution to climate change.