



The Clover Corporation

*HVAC Equipment*

602 Tolland Street East Hartford, CT 06108

Phone (860) 528-0081 | Fax (860) 528-9539

[www.clover-corporation.com](http://www.clover-corporation.com)

## RING IN A NEW YEAR WITH SAVINGS

*Promote Efficiency while energy incentives offer additional savings now.*



# UCONN

## DID ON THEIR UPGRADE

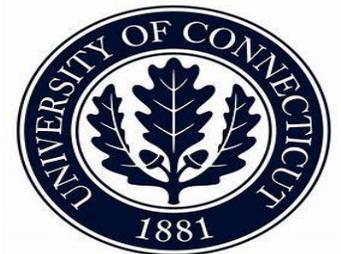
**Clean energy will reign again  
at UCONN'S main campus.  
1600 Tons of Tecochill Gas Chillers  
will cool the University this summer.**

The Central Utility Plant located on the university's main campus at Storrs had Tecochill gas engine chillers operating for over 20 years; it was time to upgrade. They knew the many advantages offered by gas cooling over the years, so they investigated **newer Tecochill** models.

Improvements made over the years offered a higher efficiency for greater energy savings. There were improved environmental benefits: Ultra emission controls and a new, modern refrigerant technology was now being used.

Engineers from BVH along with the UCONN Facilities Group were invited to view the manufacturing facility and see the actual testing for the unit to be delivered to them. A feature of the gas engine factory tour is to witness the unit's testing to AHRI performance. With Tecochill located nearby in Waltham, MA the witness performance test was easily arranged.

The gas chillers require minimal electric use, so the University will continue to reduce its demand in this highly congested region and produce savings through their efficiency. The energy savings will qualify UCONN for State incentives to reduce the first costs. The project will include a new service contract to ensure the chillers provide the expected economic benefit for the next 20 years.



# Unique Complex

A 30-year vacant lot has been transformed into a beautiful residential development in downtown, Stamford, CT.

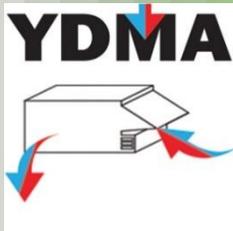


On the corner of Tresser Blvd and Greyrock Place stands the “Urby Stamford” complex comprised of 11 buildings with 672 units for residential living and 5000 sq. ft. of retail and restaurant space.

12 Reznor Model YDMA, packaged make-up-air units maximize energy use with a Tcore-3 condensing heat technology and a state of the art, stand-alone control system.

The YDMA provides superior control of high volumes of outside air in a DX system design. It features a properly conditioned 100% outside air blower system that incorporates **superior energy efficiency** and variable speed control to balance the airflow as needed, saving heating costs for the complex.

Want more make-up-air info? Call us 860-528-0081



# Great Savings



The long wait for recreational marijuana in Massachusetts is over!

The first pot shops in the eastern region opened on Tuesday, Nov. 20, 2018 and public acceptance of its use among adults 21 and older is on the rise.

New retail establishments such as NETA in Pittsfield, MA are conditioned by **Tecochill**.

Two, 400-ton DTx gas engine chillers were selected to provide cooling for NETA for the grow rooms because it offers the advantage of hot water for dehumidification control in the facility.



Tecogen, the parent company of Tecochill has developed a turnkey solution for installations that use hot water. Unique to their product is the ability to reclaim heat from the engine to provide hot water, offering customers who need hot water in their process, (such as marijuana growers), significant savings on heating costs over other previous methods used.

Another great advantage of gas-engine cooling is the decrease in greenhouse gas emissions over electric systems.

# Double Saving



When **Netsource**, the leading distributor of high-quality power cords for data centers moved to Progress Drive in Manchester, major HVAC renovations were needed.

Allied™ Commercial rooftops and infrared heaters were selected to provide heat to the 35,000 sq.ft. facility.



**Allied K-Series™** outdoor, ground-mounted rooftops with horizontal discharge provided heating and cooling to the 10,000 sq.ft. light manufacturing area and 4,500sq. ft. office area.

Omega II infrared tube heaters (below) heat the warehouse area with great efficiency and saves 30-50% over the cost of traditional warm air systems which gained *Netsource* energy incentive \$ from Energize CT.



# Buy a Ton Save a Ton

Allied™ Z-Series rooftops, 2 to 25 tons are energy star rated and offer great savings and benefits:

- Matches popular RT footprints
- Eliminates need for adaptor curb
- Saves up to \$1500 (\$750 curb and \$750 to move electric and plumbing)
- Eco-Last™ coil uses 52% less refrigerant for added savings
- \$300 factory credit toward crane fee



Allied Commercial, a Lenox International product, (a revered name in the HVAC Industry), offers this line of rooftops specifically for the replacement market.

Saving \$750, (estimated cost for a curb); another \$750 to move utility connections on a replacement, *Z-series™* makes great economical sense. It may even determine a sale.

The Eco-Last™ coil system uses up to 52% less refrigerant, is up to 59% lighter and has 20% fewer brazed joints than regular roof tops coils.

Other rooftop models are also available; single phase and 3-phase, with factory or field installed accessories such as economizers and air dampers (manual, motorized and gravity exhaust).

All units carry the Allied guaranty on parts, compressors and heat exchangers.



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## A newly designed Magic Pak™ Series is approaching the Market!

In September 2019, the Department of Energy is requiring all single packaged vertical units (SPVU) to meet an efficiency of 11 EER.



Magic Pak™ has redesigned the M-Series™ to provide greater efficiency while adding new features such as a 3/4 ton unit; factory installed float switch and top supply/return on all models. Production will begin in April 2019.

The new MGE-4 offers a stainless steel heat exchanger or a stainless steel exchanger with added corrosion protection; environmentally friendly 410A refrigerant, 11 EER, single phase and carries a 20 yr. limited warranty on the ss heat exchanger, with 5 yrs. on the compressor and all other components.

Certified as direct vent appliance with less than 1.4% cabinet air leakage, the MGE-4 meets ASHRAE's 193 Standard.

### **Added benefits include:**

**Constant Torque Blower Motor** for reduced electric consumption and greater efficiency and resilient mounted for quiet operation.

The unit's **anti-microbial** drain pan resists mold and improves indoor air quality while also reducing drain line clogs.

The Magic-Pak™ is available with heating inputs of 15,000B/hr, 24,000, 36,000, 48,000 or 60,000 and nominal cooling capacities of 9,000, 12,000, 18,000, 24,000, 30,000 and 36,000. Give us a call!

# 860-528-0081



## Company #4 Goes Infrared

Glastonbury, one of the oldest municipalities on State Records, has one of the best trained and equipped fire service organizations within the state of Connecticut.

In 2015 Glastonbury paid for an energy study to help curb the increasing cost of energy for the town. One of the larger energy consuming facilities in towns are their fire stations. Constant overhead door openings and older “energy-hog” boilers were the culprits to the higher energy consumption per sq. ft.

The energy study found inefficient boilers with hydronic hot air systems in the apparatus areas of each of the town’s 4 firehouses. The study suggested that the town investigate infrared radiant heat for the apparatus bays. New infrared radiant heat was installed in the Main ST station house.

The town analyzed the heating bill before and after the new heating system was installed. The savings was as clear as the siren on a Sunday morning! As energy savings were realized the changeover of every fire station in town to infrared heat began.

Over the past few years each of the firehouses has been renovated to become more energy efficient. **Firehouse #4**, on Manchester Rd, is the most recent energy upgrade.

A Reflect-O-Ray, low intensity model EDS-4 was selected to replace the hydronic, hot air unit heaters that existed.



The EDS is an **engineered design** system that is vacuum vented, reduces temperature fluctuations, saves on energy costs and is superior to conventional heating systems saving 30 to 50% over unit heaters.

Like the rays of the sun, infrared heat warms people, the floor and objects instead of heating the air that rises and leaves the area and occupants cold.

Buildings with overhead doors are difficult for a warm air system to properly heat and a lot of heat is wasted. The heat sink gained from infrared heat helps to maintain the heat in the area and reduces energy usage and cost.



## Housing Maintains Workers in Westport

Project in Westport, CT aims to provide transitional housing options to maintain workers in the area.

A vital asset to today's economy, affordable housing is designed to cost no more than 30% of a worker's income therefore building costs must be reigned-in to meet this need. Magic Pak® systems and economical Concord split systems made it feasible for this project to meet budget.



A 42,000 sq ft residence complex is designed to grow the community through affordable housing for younger workers, recent grads and older workers and retain them from leaving this area of high cost housing.

The facility will be heated and cooled with a combination of Concord™ split systems and Magic Pak® ductable packaged systems.



88 studio apartments will be heated and cooled by the split-system, Concord 92% efficient furnaces.

Larger bedroom units will have Magic Pak® ducted systems.

