

Pocket Guide Available for Advance Controller



Forget how to change your trailer refrigeration unit's setpoint? Wonder if you need to stop and take care of an alarm, or if you can keep going?

Carrier now has a pocket-sized, quick-reference guide to the Advance® microprocessor controller that's geared towards drivers and dispatchers. The guide outlines basic unit operation and provides a color-coded list of all potential alarms that a user may encounter along with a short description of what to do in each instance.

For more information or for copies of the guide, please contact your local Carrier Transicold Dealer.

[Dealer Locator](#)

[Click here for a printable PDF of this email](#)

e Vector™ 5100 Helps Clear the Air for New England Produce Center

The air around the nation's second largest produce market, the New England Produce Center in Chelsea, Mass., is starting to get cleaner thanks to the installation of 79 of Carrier Transicold's Vector™ 5100 all-electric trailer refrigeration units, which are replacing Tier 0 diesel-powered units that previously ran 24 hours a day, 365 days a year.

The U.S. Environmental Protection Agency (EPA) recently provided funding to the Chelsea Collaborative for the project through the American Reinvestment and Recovery Act. The project is estimated to remove more than 300 tons of pollutants annually – nitrogen oxides, particulate matter and hydrocarbons.

That's especially significant, considering that Chelsea is the third most environmentally overburdened city in Massachusetts. "This is a sustainable solution that helps everyone," said Cindy Benderski, executive account manager for Carrier Transicold. "Not only is the New England Produce Center cleaning up the air, but it is also saving a considerable amount of diesel fuel – nearly a half-million gallons annually" [Find out how.](#)



U.S. EPA Deputy Administrator Bob Perciasepe and the Chelsea Collaborative's Associate Executive Director Roseann Bongionanni, left, discuss emissions-free trailer refrigeration technology with Carrier Transicold's Cindy Benderski.

Visit Carrier in Tampa at the IFDA Event!

"The Next Big Thing" is the theme of the 2010 Distribution Solutions Conference of the International Foodservice Distribution Association, which takes place October 25 -27 at the Tampa Convention Center in Florida.

That theme is certainly appropriate in terms of Carrier Transicold's participation. Carrier is proud to be a continuing part of this conference and will be featuring its next big things — the Vector™ 5100 all-electric unit for stationary applications and the Vector™ 6600MT multi-temp trailer unit.

Please come visit us at booth 313 to see what the newest generation of all-electric and diesel-electric hybrid units can deliver for your business!

Know someone that would like to receive eFlash? Simply forward this copy and tell them to subscribe using the button below!

[Subscribe to eFlash](#)

Vector[®] 5100 Units Save Fuel and Clear the Air

Many food distribution centers and retail operations have experienced a need for stationary cold storage due to seasonal promotions, cold-room maintenance, business growth or other operational changes. To cope, they usually rely on refrigerated trailers to handle the overflow.

If the operation has spare refrigerated trailers on hand, typically they'll park the older ones and let them run 24 hours a day, seven days a week. It's a "double whammy," so to speak, because these diesel-powered units not only tend to be less fuel efficient, but they usually have older and possibly unregulated engines that emit larger volumes of pollutants and noise. If the operation lacks spare trailers, it may rent conventional diesel-powered refrigerated trailers. And while the intention may be for a short-term rental, the ever-changing dynamics of business may turn this solution into an expensive long-term arrangement.



Trailers used for temporary stationary cold storage may be equipped with old refrigeration units with unregulated diesel engines that are less fuel efficient and emit more pollutants.

Visit a typical distribution center and there may be several of these stationary trailers lined up and running on diesel for most of the year. The recent focus on emissions coupled with greater spending scrutiny during the recession have many operations re-thinking this approach. Fortunately there is very quick payback using an alternative all-electric approach.

A recent example is the New England Produce Center in Chelsea, Mass. Located along the Mystic River across from Boston, Chelsea has been identified as the third most environmentally overburdened city in Massachusetts, with some of the state's highest reported incidences of respiratory ailments, cardiovascular disease, strokes and cancers related to diesel engine exhaust pollution. A local community organization, the Chelsea Collaborative, decided to do something about it and identified the produce center as one of the first places to start.

With a project that is supported in part through a \$1.9 million grant from the American Reinvestment and Recovery Act's (ARRA) National Clean Diesel Funding Assistance Program, the Chelsea Collaborative and produce center merchants are replacing 79 trailer refrigeration units that have unregulated Tier 0 engines, which ran 24 hours a day, 7 days a week. In their place Carrier's exclusive Vector 5100™ all-electric refrigeration units are being installed. When completed, the project is estimated to remove more than 300 tons of pollutants annually – nitrogen oxides, particulate matter and hydrocarbons.

"Investing in Clean Diesel projects through the Recovery Act is a down payment on protecting health, improving air quality, helping the economy and creating jobs in our communities," said Curt Spalding, regional administrator of EPA's New England office, in a [press release](#). "New England has some of the highest rates of asthma in the country. By reducing diesel emissions – especially in urban areas – we are helping thousands of our neighbors to breathe easier."

On Sept. 1, at an event attended by Bob Perciasepe, the EPA's Deputy Administrator, the Vector 5100 was showcased as an emissions-free, quiet alternative to the diesel-powered units the produce center was using for on-site food storage. Following infrastructure upgrades, including installation of 460-volt plug-in receptacles for the Vector 5100 units, merchants started taking delivery of their new Vector units in late September.



Carrier Transcold's Cindy Benderski explains the ease of operation and the features of the Vector 5100's Advance[®] control.



To help address serious air quality issues in Chelsea, Mass., the EPA awarded \$1.9 million to the Chelsea Collaborative for diesel emission reduction technologies, including 79 all-electric Vector 5100 units from Carrier Transcold that will replace older diesel engine powered units at the New England Produce Center, the nation's largest produce market. The open Vector unit is on the left.

"This is a sustainable solution that helps everyone," said Cindy Benderski, executive account manager for Carrier Transcold. "Not only is the New England Produce Center cleaning up the air around it, but it is also saving a considerable amount of diesel fuel – nearly a half-million gallons annually." Benderski also notes that the cost of operating trailer refrigeration units using the electric power, with its relatively stable pricing, is more economical than using diesel fuel.

The Chelsea Collaborative estimates that the center will save approximately \$500,000 a year by switching to the new Vector 5100 units.

Carrier Transcold introduced the Vector 5100 earlier in 2010. It uses the same platform as Carrier's single-temp Vector 6500™ hybrid unit, except without the diesel-electric power pack. This significantly reduces unit weight and cost. With fewer moving parts compared to conventional diesel powered mechanical units, the Vector 5100 offers quieter operation, reduced maintenance and associated operational downtime, all of which contribute to minimizing the cost to the produce center while keeping the air cleaner for years to come.

For more information about Vector products, turn to the experts in the Carrier Transcold dealer network.

[Click here for a printable PDF of this email](#)