



Carrier Enterprise

Mid-Atlantic

Fall 2011

This Fall we will introduce two new product lines, the Greenspeed™ Heat Pump system and the new Aurora Furnace line. Additionally, we offer classes in the basics of HVAC systems, as well as training on light commercial equipment and controls systems.

- Basic Infinity/Evolution See Page 2
- Advanced Infinity/Evolution (Zoning) See Page 2
- Greenspeed™ Heat Pump System See Page 3
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Basic Infinity / Evolution Controls

This class is designed for Sales, Installers, and Service personnel who haven't attended a class before. This class is required for dealers to sell Infinity and Evolution Controls.

Topics to be covered;

- Components that make up a Infinity / Evolution System
- Features and Benefits to the End-user and Installing Company
- Installation of Infinity / Evolution systems and components
- Set-up and programming of the Infinity / Evolution Controls
- Operational aspects of Infinity / Evolution Controls
- Basic Troubleshooting
- -V User Interface Updates

Approved for NATE Continuing Education Hours

Class is Scheduled for 4 hours

Class Required for Purchase

Cost \$ 65.00 Per Student

Advanced Infinity / Evolution Controls

This Class is designed for all of those who have attended an Infinity - Evolution Class in the past . This is a must for those who will design or work on zoning systems.

Topics to be covered ;

- Advanced Infinity / Evolution set-up
- Understanding Infinity / Evolution Air Flow
- Infinity / Evolution zoning air flow considerations
- Infinity / Evolution Sequence of Operation
- Troubleshooting Infinity / Evolution Controls
- Certification Test
- -V User Interface Updates

Approved for NATE Continuing Education Hours

Class is scheduled for 4 hours

Cost \$ 65.00 Per Student

Greenspeed™ Heat Pump System

This class is designed for Sales, Installers, and Service personnel interested in this new product. This class is required for dealers to sell the new Greenspeed Heat Pump System

Topics to be covered;

- Installation Considerations
- Installation
- Set Up
- Operational Checks
- Troubleshooting

Class is Scheduled for 4 hours

Class Required for Purchase

Cost \$ 65.00 Per Student

59 / 900 Series Gas Furnace

This class is designed for Sales, Installers, and Service personnel interested in this new product. This class is required for dealers to sell this new product line

Topics to be covered ;

- Product line Overview
- New Features
- Installation
- Adjustments
- Servicing
- Troubleshooting

Class is Scheduled for 8 hours

Class Required for Purchase

Cost \$ 125.00 Per Student

Heat Pump Service

This class is designed for HVAC Service Technicians responsible for servicing and maintaining Heat Pump systems.

Topics to be covered:

- Heat Pump Operation – Refrigerant Circuit, Electrical Sequence and Defrost Cycle
- Refrigerant Practices - Puron, Subcool/Superheat and Weigh-In Methods of charging
- Troubleshooting—Electrical Components (capacitors, Contactors, Start Gear), Compressors, Reversing Valve and Defrost Cycle.

Approved for NATE Continuing Education Hours

Class is scheduled for 4 hours

Cost \$ 65.00 Per Student

Gas Furnaces

This class is designed for HVAC Service Technicians responsible for servicing and maintaining Gas fired Furnaces.

Topics to be covered:

- Gas Furnace Safety
- Understanding Combustion and Testing Procedures
- Propane (LP) Conversion
- Single, Two-Stage, and Step Modulating Furnace Sequences of Operation
- Troubleshooting 80% and 90% Gas Furnaces
- Service and Maintenance Procedures

Approved for NATE Continuing Education Hours

Class is scheduled for 4 hours

Cost \$ 65.00 Per Student

Oil Furnaces

This class is designed for HVAC Service Technicians responsible for servicing and maintaining Oil fired Furnaces using Oil Furnaces Riello and Beckett NX burners

Topics to be covered:

- Familiarization with Riello and Beckett NX burners used in Carrier and Bryant Furnaces
- Burner and Furnace wiring/controls
- Understanding Combustion
- Riello and Beckett NX burner set-up
- In Depth Combustion Analysis
- Airflow set-up on Carrier Bryant Oil Furnaces
- Furnace and Burner Troubleshooting

Class is scheduled for 8 hours

Lunch will be provided

Cost \$ 125.00 Per Student

All About Air

The importance of the air side of any forced air system is often overlooked. If you don't have proper air flow, you will diminish the capacity of your HVAC system and shorten its life. This class is designed for all that design, install, and work on forced air systems.

Topics to be covered:

- Defining System Air Requirements
- How and Where to measure air flow, duct static pressure, and air velocity
- How to identify duct work problems
- Understanding Pressure Drops through Equipment and Accessories
- Proper use of air flow measurement tools
- A brief look at ductulators

Class is scheduled for 4 hours

Cost \$ 65.00 Per Student

Carrier/Bryant Light Commercial RTUs and Split Systems

This class is designed for Commercial Service Technicians to further their knowledge of Carrier/Bryant small to medium size package RTUs and Split systems.

Topics to be covered:

- Model/serial number nomenclature
- Troubleshooting common OEM parts
- Economizers
- Low ambient controls
- Split system refrigerant piping
- Scrolling marquee display

This class is 8 hours

Lunch will be provided

Cost is \$125.00 per student

Carrier 3V Controls Systems

This class is designed for the Commercial Service Technicians to further their knowledge of light commercial Carrier controls systems.

Topics to be covered:

- Proper Installation Practices
- Communication and Controls Wiring
- Proper Use of System Pilot for Addressing and Programming 3V Controllers and Commissioning

Class Size is Limited. No more than 2 students from any company will be accepted.

This class is 2 days

Lunch will be provided

Cost is \$250.00 per student

Geothermal Product Training

This course is mandatory for any dealer seeking to install Geothermal heat pump systems.

Topics to be covered in this two-day class:

- Site Survey
- Equipment
- Electrical
- CMX & DMX Circuit Board Controls
- Hot Water Generators
- Refrigerant Systems
- Installation of both Package Units and Split Systems
- Flow Control Units
- Flush Carts
- Charging Tools
- Pressure Gauges and Temperature Sensors
- Finding a Loop Contractor
- Types of Loops
- Loop Design
- System Start Up
- Performance Review of System

Approved for NATE Continuing Education Hours

**This class is 2 days,
Lunch will be provided
Cost is \$275.00 per student**

Class Schedule

<i>Basic Infinity - Evolution</i>	Roanoke, VA	October 11, 2011
8am - 12pm	Norfolk, VA	October 13, 2011
\$65 Per Student	Charleston, WV	October 18, 2011
	Sterling, VA	October 18, 2011
	Hanover, MD	October 20, 2011
	Richmond, VA	November 10, 2011
<i>Advanced Infinity / Evolution</i>	Roanoke, VA	October 13, 2011
8am - 12pm	Norfolk, VA	October 14, 2011
\$65 Per Student	Sterling, VA	October 25, 2011
	Hanover, MD	October 27, 2011
	Charleston, WV	November 1, 2011
	Richmond, VA	November 17, 2011
<i>59 / 900 Series Gas Furnaces</i>	Charleston, WV	October 4, 2011
8am - 5pm	Hanover, MD	October 4, 2011
\$125 Per Student	Roanoke, VA	October 5, 2011
	Sterling, VA	October 5, 2011
	Norfolk, VA	October 11, 2011
	Richmond, VA	October 12, 2011
<i>Greenspeed™ Heat Pump Systems</i>	Hanover, MD	October 11, 2011
8am - 12pm	Sterling, VA	October 12, 2011
\$65 Per Student	Norfolk, VA	October 18, 2011
	Richmond, VA	October 19, 2011
	Charleston, WV	October 20, 2011
	Roanoke VA	November 1, 2011
<i>Heat Pump Service</i>	Norfolk, VA	October 25, 2011
8am - 12pm	Richmond, VA	October 26, 2011
\$65 Per Student	Roanoke VA	November 3, 2011
	Hanover, MD	November 15, 2011
	Sterling, VA	November 17, 2011
	Charleston, WV	December 13, 2011

Class Schedule

Gas Furnaces	Roanoke, VA	October 19, 2011
8am - 12pm	Norfolk, VA	November 2, 2011
\$65 Per Student	Richmond, VA	November 3, 2011
	Sterling, VA	November 8, 2011
	Hanover, MD	November 10, 2011
	Charleston, WV	November 15, 2011
All About Air	Richmond, VA	October 20, 2011
8am - 12pm	Roanoke, VA	October 27, 2011
\$65 Per Student	Norfolk, VA	November 1, 2011
	Charleston, WV	December 6, 2011
	Sterling, VA	December 6, 2011
	Hanover, MD	December 8, 2011
Oil Furnaces	Norfolk, VA	December 6, 2011
8am - 5pm	Richmond, VA	December 9, 2011
\$125 Per Student	Sterling, VA	December 13, 2011
	Hanover, MD	December 20, 2011
Geothermal 2-Day Class	Hanover, MD	December 15-16, 2011
8am - 5pm	Sterling, VA	December 20-21, 2011
\$275 Per Student		
Light Commercial Class	Hanover, MD	October 12, 2011
8am - 5pm	Sterling, VA	October 19, 2011
\$125 Per Student	Richmond, VA	November 30, 2011
3-V Controls 2-Day Class	Hanover, MD	November 2-3, 2011
8am - 5pm	Sterling, VA	November 15-16, 2011
\$250 Per Student	Richmond, VA	December 7-8, 2011

Registration Instructions

- 1. Fill out Registration Form (Page 12). Use a separate form for each employee that will be attending the class. Please print legibly and include account number. Include email address so we can send confirmation of registration.**
- 2. Mail or fax the registration form, with payment, to the Training Coordinator indicated on page 11 for the class being attended. Payment must be made in full by check or VISA, AMEX or MasterCard only. Accounts cannot be billed for payment.**

Please register at least 10 days prior to scheduled class date.

Refunds on courses will be made if cancellation is received at least five business days prior to class.

Please send registration forms to the branch holding the class

<p>Registrations for Charleston WV.</p> <p>Send to:</p> <p>Carrier Enterprise</p> <p>4970 Teays Valley Road</p> <p>Scott Depot WV 25560</p> <p>Phone 304-722-8760</p> <p>Fax: 304-722-8799</p> <p>Training Coordinator</p> <p>Tammy Brown</p>	<p>Registrations for Richmond VA.</p> <p>Send to:</p> <p>Carrier Enterprise</p> <p>2300 Westmoreland Street</p> <p>Richmond VA 23230</p> <p>Phone 800-214-6128</p> <p>Fax: 866-312-4105</p> <p>Training Coordinator</p> <p>Roxie Pedroli</p>
<p>Registrations for Roanoke VA.</p> <p>Send to:</p> <p>Carrier Enterprise</p> <p>3517 Aerial Way Dr. SW</p> <p>Roanoke VA. 24018</p> <p>Phone: 540-224-2100</p> <p>Fax: 540-343-4250</p> <p>Training Coordinator</p> <p>Judy Hodge</p>	<p>Registrations for Hanover MD</p> <p>Send to:</p> <p>Carrier Enterprise</p> <p>7010 Dorsey Road</p> <p>Hanover MD 21076</p> <p>Phone 410-981-4400</p> <p>Fax: 410-981-4449</p> <p>Training Coordinator</p> <p>Linda Kellum</p>
<p>Registrations for Norfolk VA.</p> <p>Send to:</p> <p>Carrier Enterprise</p> <p>3501 Progress Road</p> <p>Norfolk, VA 23502</p> <p>Phone 757-858-4500</p> <p>Fax: 757-857-0695</p> <p>Training Coordinator</p> <p>Nanci Jennings</p>	<p>Registrations for Sterling VA.</p> <p>Send to:</p> <p>Carrier Enterprise</p> <p>22675 Dulles Summit Court, Suite 150</p> <p>Sterling VA 20166</p> <p>Phone 703-326-5306</p> <p>Fax: 703-229-6496</p> <p>Training Coordinator</p> <p>Colleen Clark</p>

TRAINING REGISTRATION FORM
CARRIER ENTERPRISE MID-ATLANTIC REGION

STUDENT NAME _____

COMPANY NAME _____

ACCOUNT NUMBER (REQUIRED) _____

ADDRESS _____

CITY _____ ST _____ ZIP _____

TELEPHONE NUMBER _____

E-MAIL ADDRESS _____

Class	Class Location	Date	Cost

Cannot be charged to account.

Check#: _____

CC Number to be charged: _____ Expiration Date: _____

Signature _____

ALL CLASSES MUST BE PAID IN FULL AT
TIME OF REGISTRATION

See Page 10 For Registration Instructions

Make Copies of this form for additional attendees