

Course qualifies for NATE CEUs

Registration Fee: **\$95.00**

# Trane Communicating Systems



Attend at a location convenient to you (pizza included):

**Feb 17, 2010**  
4-8 p.m.  
Engel HVAC  
Manchester, NH

**Feb 24, 2010**  
4-8 p.m.  
Air Purchases  
Hyannis, MA

**Mar 3, 2010**  
4-8 p.m.  
Air Purchases  
Burlington, MA

## ▶ Training Overview:

Designed for installers and service technicians working with Trane communicating systems. We will cover features and benefits, installation application considerations, and trouble shooting.

## ▶ Outline:

- Applying Communicating Systems
- 95% Efficiency 3-Stage Communicating Gas Furnace.
- 95% Efficiency Communicating / Modulating Gas Furnace
- 80% Communicating Gas Furnace Models
- 20 SEER XL20i Communicating Dual Compressor AC & Heat Pumps
- 16 SEER XL16i Communicating 2-Step Scroll Compressor AC & Heat Pumps

## ▶ Course Materials Include:

- Communicating Systems Service Manual
- Communicating 2 Step Scroll Service Manual
- Communicating 2 Compressor Service Manual
- Communicating Systems Troubleshooting Flow Chart Guide
- Alert Code Addendum
- Communicating Serial Motor Tester

**Registration:** Mail or fax your completed form to Sharon Mangano, Air Purchases, 24 Blanchard Road, Burlington, MA 01803 Fax: (781) 229-0207. **Payment must be made in advance of class.** Check, VISA or MC only.

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City \_\_\_\_\_ State: \_\_\_\_\_ Zip \_\_\_\_\_

Credit card# \_\_\_\_\_ Exp : \_\_\_\_\_ CCV: \_\_\_\_\_

Indicate location: [  ] Manchester [  ] Hyannis [  ] Burlington



This course counts as 4 CEUs towards NATE recertification in the following specialties:

- AC Service
- AC Installation
- Gas Furnace
- Gas Furnace Service
- Heat Pump Installation
- Heat Pump Service

NATE Course ID# 1813-0018

Air Purchases, Inc.  
24 Blanchard Rd.  
Burlington, MA 01803  
(781) 273-2050  
Fax: (781) 229-0207



Course qualifies for NATE CEUs

Registration Fee: **\$99.00**

## Trane Variable Speed Certification

Attend at a location convenient to you (pizza included):

**March 11, 2010**  
4-8 p.m.  
Air Purchases  
**Burlington, MA**

**March 25, 2010**  
4-8 p.m.  
Engel HVAC  
**Manchester, NH**

**April 14, 2010**  
4-8 p.m.  
Air Purchases  
**Hyannis**



### ► Training Overview:

This course is designed for the dealer selling Trane ECM-based variable speed systems. We will cover the features and benefits of ECM systems as well as installation, set-up and servicing of ECM-based variable speed systems, including multi-stage 16 and 20 SEER split systems.

### ► Outline:

- Consumer benefits of ECM technology
- Application and proper equipment selection for variable speed systems
- Installation, start-up and system charging
- Operation and service trouble shooting
- Wiring variations and effects on air flow

### ► Course Materials Include:

- Trane ECM Service Manual
- Dual-Compressor Split Systems Service Manual
- Two-Step Scroll Systems Service Manual
- Regal Beloit ECM Manual
- Trane ECM Tester
- Trane ECM Go/No Go Tester

**Registration:** Mail or fax your completed form to Sharon Mangano, Air Purchases, 24 Blanchard Road, Burlington, MA 01803 Fax: (781) 229-0207. **Payment must be made in advance of class.** Check, VISA or MC only.

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City \_\_\_\_\_ State: \_\_\_\_\_ Zip \_\_\_\_\_

Credit card# \_\_\_\_\_ Exp : \_\_\_\_\_ CCV: \_\_\_\_\_

Indicate location: [ ] Burlington [ ] Manchester [ ] Hyannis



This course counts as 4 CEUs towards NATE recertification in the following specialties:

- AC Service
- AC Installation
- Gas Furnace Installation
- Gas Furnace Service
- Heat Pump Installation
- Heat Pump Service
- Air Distribution Installation
- Air Distribution Service
- Oil Furnace Installation,
- Oil Furnace Service

NATE Course ID# 1813-0010  
Air Purchases Ref# TRNVSPD0001

Air Purchases, Inc.  
24 Blanchard Rd.  
Burlington, MA 01803  
(781) 273-2050  
Fax: (781) 229-0207



**Registration Fee:** \$99.00 (includes purchase of Residential Service Guide)  
\$45.00 (for technicians who already own Guide)

# Thermodynamics

Attend at a location convenient to you (pizza included):

**April 28, 2010**  
4-8 p.m.  
Air Purchases  
Burlington, MA

**May 12, 2010**  
4-8 p.m.  
Engel HVAC  
Manchester, NH

**June 3, 2010**  
4-8 p.m.  
Air Purchases  
Hyannis



## ► Training Overview:

This course is designed to provide attendees with a greater understanding of residential air conditioning system application, installation, and using thermodynamic principals as a trouble shooting tool.

## ► Outline:

- Equipment selection and the implications of unrated systems
- Line sizing
- Installation
- Measuring system airflow
- TXVs
- System charging
- Refrigeration system troubleshooting

## ► Course Materials Include:

- Service Guide: Residential Comfort Systems (Required)\*

**Registration:** Mail or fax your completed form to Sharon Mangano, Air Purchases, 24 Blanchard Road, Burlington, MA 01803 Fax: (781) 229-0207. **Payment must be made in advance of class.** Check, VISA or MC only.

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City \_\_\_\_\_ State: \_\_\_\_\_ Zip \_\_\_\_\_

Credit card# \_\_\_\_\_ Exp : \_\_\_\_\_ CCV: \_\_\_\_\_

\*Yes, I need to order the Service Guide (\$99 total registration fee) [  ]  
No, I already have the Service Guide (\$45.00 registration fee) [  ]

**Indicate location:** [  ] Burlington [  ] Manchester [  ] Hyannis



This course counts as 5 CEUs towards NATE recertification in the following specialties:

- AC Installation
- AC Service
- Heat Pump Installation
- Heat Pump Service

NATE Course ID# 1813-0014  
Air Purchases Ref# AP Thermodynamics

Air Purchases, Inc.  
24 Blanchard Rd.  
Burlington, MA 01803  
(781) 273-2050  
Fax: (781) 229-0207



**Registration Fee: \$99.00** (includes purchase of Service Guide)  
**\$45.00** (for technicians who already own Guide)

# Trane Heat Pump Seminar

Attend at a location convenient to you (pizza included):

**Sept 16, 2010**  
Air Purchases  
**Burlington, MA**

**Sept 23, 2010**  
4-8 p.m.  
Engel HVAC  
**Manchester, NH**

**Oct 7, 2010**  
4-8 p.m.  
Air Purchases  
**Hyannis**



## ► Training Overview:

This course is designed to provide attendees with a greater understanding of Trane heat pump operation, application, installation, and trouble shooting.

## ► Outline:

- Equipment selection and the implications of unrated systems
- Line sizing
- Installation
- Electrical requirements and wiring
- Calculating system balance point
- Controls and operation
- Hybrids (dual-fuel systems)
- Variable speed set-up
- Measuring system airflow
- TXVs
- System charging
- Service troubleshooting

## ► Course Materials Include:

- Service Guide: Residential Comfort Systems (Required)\*

**Registration:** Mail or fax your completed form to Sharon Mangano, Air Purchases, 24 Blanchard Road, Burlington, MA 01803 Fax: (781) 229-0207. **Payment must be made in advance of class.** Check, VISA or MC only.

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City \_\_\_\_\_ State: \_\_\_\_\_ Zip \_\_\_\_\_

Credit card# \_\_\_\_\_ Exp : \_\_\_\_\_ CCV: \_\_\_\_\_

\* Yes, I need to order the Service Guide (\$99 total registration fee) [  ]  
No, I already have the Service Guide (\$45.00 registration fee) [  ]

**Indicate location:** [  ] Burlington [  ] Manchester [  ] Hyannis



This course counts as  
**5 CEUs** towards NATE  
recertification in the  
following specialties:

- AC Installation
- AC Service
- Heat Pump Installation
- Heat Pump Service

**NATE Course ID# 1813-0008**  
**Air Purchases Ref# TRNHP0001**

**Air Purchases, Inc.**  
24 Blanchard Rd.  
Burlington, MA 01803  
(781) 273-2050  
Fax: (781) 229-0207



**Registration Fee: \$99.00** (includes purchase of Service Guide)  
**\$45.00** (for technicians who already own Guide)

## Trane Gas Furnace Seminar

Attend at a location convenient to you (pizza included):

**Oct 21, 2010**  
4-8 p.m.  
Air Purchases  
Burlington, MA

**Nov 4, 2010**  
4-8 p.m.  
Engel HVAC  
Manchester, NH

**Nov 18, 2010**  
4-8 p.m.  
Air Purchases  
Hyannis



### ▶ Training Overview:

This course is for installation and service technician looking for a greater understanding of Trane furnace installation, operation and troubleshooting techniques.

### ▶ Outline:

- Furnace installation
- Confined space requirements
- Vent system applications
- Wiring
- Variable speed benefits
- Variable speed set up
- Enhanced mode operation
- Manufacture housing requirements
- Propane conversions
- Furnace service and trouble shooting techniques
- Ignition systems
- Variable speed inducers
- ECM blower trouble shooting

### ▶ Course Materials Include:

- Service Guide: Residential Comfort Systems (Required)\*

**Registration:** Mail or fax your completed form to Sharon Mangano, Air Purchases, 24 Blanchard Road, Burlington, MA 01803 Fax: (781) 229-0207. **Payment must be made in advance of class.** Check, VISA or MC only.

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City \_\_\_\_\_ State: \_\_\_\_\_ Zip \_\_\_\_\_

Credit card# \_\_\_\_\_ Exp : \_\_\_\_\_ CCV: \_\_\_\_\_

\* Yes, I need to order the Service Guide (\$99 total registration fee) [  ]  
No, I already have the Service Guidel (\$45.00 registration fee) [  ]

**Indicate location:** [  ] Burlington [  ] Manchester [  ] Hyannis



This course counts as  
**5 CEUs** towards NATE  
recertification in the  
following specialties:

- Gas Furnace Installation
- Gas Furnace Service

NATE Course ID# 1813-0005  
Air Purchases Ref# TRNFURN001

Air Purchases, Inc.  
24 Blanchard Rd.  
Burlington, MA 01803  
(781) 273-2050  
Fax: (781) 229-0207





Registration Fee: \$125.00

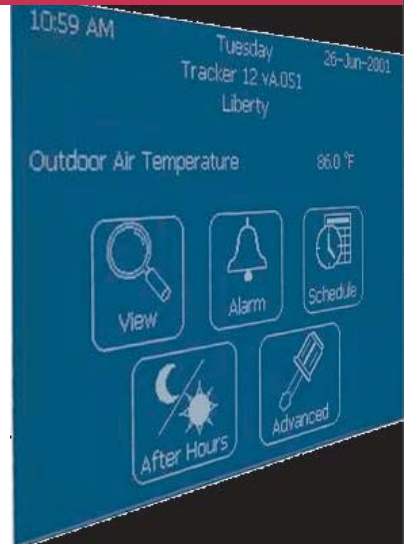
# Tracker Light Commercial Systems

December 15, 2010

3 - 8 p.m. (Dinner provided)

Air Purchases, Inc.

Burlington, MA



## ► Training Overview:

This seminar gives an indepth understanding of the concept, components and architecture of Tracker Light Commercial Systems. The latest product is compared and contrasted to the previous versions. Class is lecture with limited hands on. Experience with the previous versions of Tracker and Varitrac is useful but not required. Dinner will be provided.

## ► System CV (Tracker Building Management)

- Tracker model 12/24
- ZN517 Unitary Control
- MP503 Input/Output Module
- Voyager UCP and ReliaTel units used with Tracker LCS

## ► Varitrac System CB (Changeover Bypass Zoning)

- Central Control Panel
- Varitrac Dampers
- Varitrac Sensors
- Communicating Bypass Control
- Start-up and calibration
- Voting and changeover

## ► Course Materials Include:

- Tracker Light Commercial Systems Manual

**Registration:** Mail or fax your completed form to Sharon Mangano, Air Purchases, 24 Blanchard Road, Burlington, MA 01803 Fax: (781) 229-0207. **Payment must be made in advance of class.** Check, VISA or MC only.

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City \_\_\_\_\_ State: \_\_\_\_\_ Zip \_\_\_\_\_

Credit card# \_\_\_\_\_ Exp : \_\_\_\_\_ CCV: \_\_\_\_\_



This course counts as 6 CEUs towards NATE recertification in the following specialties:

- AC Service
- AC Installation
- Gas Furnace Installation
- Gas Furnace Service
- Heat Pump Installation
- Heat Pump Service
- Air Distribution Installation
- Air Distribution Service

Nate Course ID # 1813-0009  
Course # TRNTRACKER0001001

Air Purchases, Inc.  
24 Blanchard Rd.  
Burlington, MA 01803  
(781) 273-2050  
Fax: (781) 229-0207

