

## APPLICATION FORM



NEW ENGLAND FUEL INSTITUTE, EDUCATION FOUNDATION  
R.E. MICHEL COMPANY, INC.

# AIR CONDITIONING FUNDAMENTALS

3-DAY COURSE - (9:00 AM – 4:00 PM) – Instructor: Floyd Wilson

**May 11, 12 & 13, 2010** (register by May 4, 2010)

\$250.00 per Student NEFI Members/\$350.00 per student Non-Members

(Total amount includes a 5% Non-refundable application Fee)

### Air Conditioning Fundamentals (1 st. Day)

This class is a 1 day class on the basics of Thermodynamics. We will go over the different components of the air conditioning system, and how they work. We will also study the pressure and temperature correlation of refrigerants. We will study super heat and sub-cooling, and how to get the readings and why they are important. This class is for the new technician. It is also a great refresher for the seasoned veteran.

### Air Conditioning Install & Service (2nd Day)

In this one-day air conditioning service class we will cover the servicing of the air conditioning system. This class will also cover proper charging methods for the different types of systems. We will also discuss component testing, installation and replacement.

### R410a Safety Guidelines and Procedures & Heat Pumps (3rd Day)

Discussions in this class include the R22 equipment phase-out timeline along with covering terms and definitions associated with the traditional refrigerants and the temporary and permanent alternatives. Technical guidelines developed by the manufacturers for application and use of 410a in the OEM equipment are covered along with system parts and components unique to the 410a units. Finally, we discuss the safety ratings of the refrigerant handling issues, storage, transport and recovery.

In this heat pump service class we will cover servicing the heat pump system. Proper charging, testing and set-up of the heat pump will also be covered. We will cover troubleshooting, and component replacing, such as compressor testing and replacement.

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

Address: \_\_\_\_\_ E-Mail: \_\_\_\_\_

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

Address: \_\_\_\_\_ E-Mail: \_\_\_\_\_

If you wish to pay by credit card, please check one. ( ) Visa ( ) MasterCard ( ) American Express



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**FAX TO 617-924-5962** or mail to New England Fuel Institute (nefi.com), PO Box 9137, Watertown, MA 02472-9137 see [www.nefi.com](http://www.nefi.com) for a Membership Enrollment form. Call Andrea at 617-923-5019 with Education & Training questions.

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