

MINI-SPLIT HEAT PUMP 40 HR TRAINING

This 40-hour class will focus on Installation, Operations and Service of Ductless Mini Split Heat pump systems. The training will include discussions, live operations and 24 hours of hands on lab assignments. Topics will include aystem components, operating cycles, installation practices and service procedures. During our lab training we will work with Mitsubishi, Daikin and Haier products.

System Components Covered

Indoor / Outdoor heat
Exchangers
Compressor
Metering Device's
Reversing valves
Line driers
Defrost Controls
Thermostats

Operating Cycles

Cooling
Heating
Defrost
Emergency Heat
Installation Practices

Locations

Wall Brackett/Ground Mount

Installation

Piping
Nitrogen Pressure testing
Wiring/NeC 70
Triple Evacuation/Dehydration

Service Procedures

Pump down
Test run mode
Forced Cooling
Reversing Valve diagnostics

Lab 1: Installation Practices (4 hrs)

Ladder Safety
Locating the indoor and outdoor unit
Wall Brackett Installation
Line Hide installation
Connect refrigeration lines
Connect condensate drain line
Pressure test lines

Lab 2: Evacuation and Charging (8 hrs)

Manifold Connections
Vacuum Pump set up and operation
Triple Evacuation procedure
Charging calculations
Refrigerant handling procedures
Add required refrigerant

Lab 3: Wiring Methods (4 hrs)

Electrical Safety
Panel to outdoor unit
Outdoor unit to indoor unit
Operate unit

Lab 4: Service Procedures (4 hrs)

Pump down operation
Remove refrigerant
Recharge refrigerant

Lab 5: Service Procedures (4 hrs)

Sensor testing
Reversing valve testing
EEV operation and testing
Disassemble unit

REGISTRATION

MINI-SPLIT HEAT PUMP 40 HR TRAINING 2020

Day Classes: 7:30AM-3:00PM

- \$950 Member
- \$1,050 Non-Member

- Mar 16 - Mar 20
- May 18 - May 22
- Sep 14 - Sep 18
- Oct 21 - Oct 27
- Dec 14 - Dec 18

Last Name:_____ First Name:_____ D.O.B:_____

Address:_____ City:_____ State:_____ Zip:_____

Home phone:_____ Cell Phone:_____ Email:_____

Sponsoring Company (if applicable):_____

Company Contact:_____

Company Address:_____

City:_____ State:_____ Zip:_____

Additional Student Information

Are you currently employed? Y N

If yes, Company Name:_____ Location:_____

How did you hear about MTEC? (Circle all that apply)

Radio TV School Employer Word-of-mouth Career Center VA office Other:

PAYMENT

MINI-SPLIT HEAT PUMP 40 HR TRAINING 2020

Registration + Refund Policy

A \$100 non-refundable registration fee is required to register. Enrollment will not be processed until this registration fee is received.

100% of tuition is due fifteen (15) business days prior to the first day of class. Requests for refunds must be made no later than fifteen (15) business days prior to the first day of the course. Requests for refunds made within fifteen (15) business days of the first day of the course WILL NOT BE HONORED.

Transfers requested prior to fifteen (15) business days of the first day of a course will be permitted with no penalty.

MEMA Technical Education Center has a maximum and a minimum number of students it will serve per class. If the minimum is not achieved, all funds paid will be refunded. If the maximum number is achieved, no further registrants will be accepted. All registrations are on a first-come first-serve basis.

Payment Options

Check Credit Card Money Order VA/ Career Center Sponsor Please Invoice

Card: _____ Expiration Date: _____ Code: _____

Name on Card: _____

I have read and acknowledge the Registration/Refund policy and deadlines as stated:

Signed by: _____ Date: _____

PLEASE REMIT TO MEMA/MTEC 25 Greenwood Road, Brunswick, Maine 04011



**MEMA TECHNICAL
EDUCATION CENTER**