

Ser901 Small Tonnage Rooftop Lab

An installation and service primer for light commercial HVAC technicians

Course Content

This is a live fire rooftop program. Both the electrical and gas side of a 4 ton rooftop unit will be operational providing the participants with an opportunity to observe the set-up procedures, operational sequences and troubleshooting techniques. This workshop will cover the Weathermaker Carrier rooftops from 3 tons to 12.5 tons. Class size is limited to 25 individuals to insure an effective learning opportunity for all participants.

Who Should Attend

The program is designed for service and installation technicians who install and service Carrier commercial rooftop units up to 12.5 tons. No previous experience or specific training programs are required.

What You Will Learn

- Start-up and check-out procedures for 3 thru 12.5 ton units with economizer
- Set up of belt drives
- Proper gas pressure set-up
- Finalizing of control wiring
- Set-up of supply fan rpm for air flow and temperature rise
- Set-up and check-out of economizer and fresh air damper
- Check-out of refrigerant charge using superheat charts
- Operation of ignition gas controls board (IGC board)
- How to analyze LED fault lights
- Live fire gas pressure set-up
- Live fire compressor check-out
- Proper use of tools and meters used in set-up

Program Duration: 3.5 Hours

Ser902 Commercial Economizers

4 thru 25 tons

An installation and service primer for commercial HVAC technicians

Course Content

This 3 hour program will cover Carrier corporate, Honeywell, and Johnson Controls economizers used on Carrier packaged rooftop products 4 thru 25 tons. A rooftop unit will be used to demonstrate operational sequences and service procedures. Service technicians and installers will review system components, setup procedures and servicing of typical economizer systems.

Who Should Attend

The program is designed for service and installation technicians who install and service Carrier commercial rooftop units up to 25 tons. No previous experience or specific training programs are required.

What You Will Learn in Part IV

- Economizer sequence of operation
- Proper set-up techniques
- Check-out procedures
- Typical wiring formats
- Interfacing with mechanical cooling

What You Will Get

- Carrier Installation and Service Workbook
- Sandwiches served

Program Duration - 3.5 hours