Classes for the HVAC/R Level 2 Technician

201. Compressors

Who should attend

Knowledge of Basic Refrigeration and Electrical Fundamentals.

Expected Learning Outcomes

Scroll, Reciprocating, Hermetic, Semi-Hermetic and Discus Compressors. Compressor Service Valves, Replacements, Preventing Failures, Clean-Up

202. A/C System Service and Repair

Who should attend

Knowledge of Basic Refrigeration and Electrical Fundamentals.

Expected Learning Outcomes

Charging Procedures, Subcool, Superheat, Air Flow Issues, Schematics and Troubleshooting

203. Hydronic Boilers and Controls High Pressure

Who should attend

Knowledge of Hydronic Boiler Fundamentals and Electrical Fundamentals.

Expected Learning Outcomes

Boiler Piping Loops, Backflow Preventers, Reducing Valves, Expansion Tanks, Air Separators, Relief Valves, Zone valves, Controls, Gauges and Safeties

204. Servicing Forced Air Heating

Who should attend

Knowledge of Forced Air Heating Fundamentals and Electrical Fundamentals.

Expected Learning Outcomes

Heat Exchangers, Schematics, Blowers, Motor Types, Gas Valves, Safeties and Troubleshooting

205. Rooftop Units and Economizers

Who should attend

Knowledge of Basic Refrigeration, Electrical Fundamentals, Forced Air Heating.

Expected Learning Outcomes

Wiring Diagrams, Heating Operations, Cooling Operations and Economizers

206. Hydronic Boilers and Controls Low Pressure

Who should attend

Knowledge of Hydronic Boiler Fundamentals and Electrical Fundamentals.

Expected Learning Outcomes

Piping Loops, Radiators, Condensation Tanks, Steam Traps, Controls & Safeties

207. Combustion Analysis

Who should attend

Knowledge of Heat and Energy, Heating Fundamentals, Electrical Fundamentals.

Expected Learning Outcomes

Combustion Testing, Unit Efficiencies, CO, CO2%, O%, Stack Temperatures and Proper Adjustments

208. Heat Pump Troubleshooting

Who should attend

Knowledge of Heat Pump Fundamentals and Electrical Fundamentals.

Expected Learning Outcomes

Charging Procedures, Subcool, Superheat, Air Flow Issues, Schematics and Troubleshooting

209. Hydronic Pumps

Who should attend

Knowledge of Electrical Fundamentals and Hydronic Fundamentals.

Expected Learning Outcomes

Pump Types, Seal Replacements, Shaft Alignments, Bearings, Couplings and Troubleshooting

210. Make-Up Air and Direct Fire Units

Who should attend

Anyone with the knowledge of Electrical Fundamentals and Forced Air Heating.

Expected Learning Outcomes

Wiring Diagrams, Heating Operations, Cooling Operations, Burners and Dampers

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