

Technical Training Program



Amana Technical Services and your Instructional Design Team are great training resources that supply onsite courses, as well as product training modules that can be downloaded from our Partnerlink site.



TRAINING PROGRAM HIGHLIGHTS

Training programs are available for **Amana**® brand for HVAC dealers and service based contractors. Courses are broken down into two categories: **General** and **Product Specific**. Some of the training sessions offered as general topics include: Air Distribution Troubleshooting, Superheat & Sub-Cooling, Evacuation & Charging, Indoor Air Quality (IAQ) and troubleshooting individual components. Component troubleshooting focuses on how a specific part functions, and guides you to properly diagnose the component should a problem occur. Individual components include compressors, metering devices, motors, and economizers.

Product specific topics cover **Amana** brand products including: Single and Two-Stage Heat Pumps and AC's, 80% and 90% AFUE Furnaces, Communicating Controls, and others. Product specific training modules available on PartnerLink are divided into three (3) categories: **Applications, Installation and Commissioning, Service and Troubleshooting**. Please join one of our many classes today!

- **Dealers:** Please contact your local distributor for on-site training information.
- **Contractors:** Please contact your local distributor for on-site training information.
- **Distributors:** For on-site training information at your facility, please contact your local **Amana** brand Tech Manager or request via email to: training@goodmanmfg.com.

Product-Specific Courses

COURSE NUMBER	COURSE TYPE	COURSE DESCRIPTION
3345-0060	ComfortNet™ CTK04 Thermostat Install and Commissioning	ComfortNet CTK04 thermostat installation and commissioning procedures
3345-0062	UT-3000 Zoning Control	UT-3000 Zoning Control installation, commissioning, and troubleshooting procedures
3345-0071	Amana AVZC20 Heat Pump	Amana AVZC20 Heat Pump applications, installation and commissioning, and service and troubleshooting procedures
3345-0074	Amana Single and Two-Stage Heat Pump Units	Amana Single and Two-Stage Heat Pump applications, installation and commissioning, and service and troubleshooting procedure
3345-0080	Amana AVPEC Air Handler	Amana AVPEC Air Handler applications, installation and commissioning, and service and troubleshooting procedures
3345-0081	Amana AVZC18 Heat Pump	Amana AVZC18 Inverter Heat Pump applications, installation and commissioning, and service and troubleshooting procedures
3345-0083	Amana Single and Two-Stage Air Conditioners	Amana Single and Two-Stage Air Conditioner applications, installation and commissioning, and service and troubleshooting procedures
3345-0090	Amana 90 Plus AFUE Furnace	Amana 90 Plus AFUE Furnace applications, install and commissioning, and service and troubleshooting procedures
3345-0091	Amana AVXC20 Air Conditioner	Amana AVXC20 Air Conditioner applications, installation and commissioning, and service and troubleshooting procedures
3345-0100	Amana 80% Gas Furnace Install and Commissioning	Amana 80% AFUE Gas Furnace installation and commissioning procedures
3345-0101	Amana 80% Gas Furnace Service and Troubleshooting	Amana 80% AFUE Gas Furnace service and troubleshooting procedures
3345-0108	Amana 96% Bluetooth Gas Furnace Install and Commissioning	Amana 96% Bluetooth Gas Furnace Install and Commissioning Procedures



All courses are NATE-approved for continuing education. credits.



General HVAC Courses

COURSE NUMBER	COURSE TYPE	COURSE DESCRIPTION
1006-0001	Gas Furnaces (All)	Covers all Amana brand gas furnaces including 80%, 90 plus, and Modulating furnaces. Includes installation practices, venting, start-up procedures & troubleshooting
1006- 0003	Heat Pumps	Students will learn how to properly determine the correct applications for heat pumps, installation requirements, set up and start-up techniques, as well as troubleshooting and part identification. Includes all heat-pumps except units with inverter technology
1006-0005	Air Distribution Troubleshooting	Instructs technicians on how to analyze air distribution systems and make adjustments to enhance system performance. Also covers static pressure measurement, CFMs, and system capacity. The course is intended to instruct technicians on methods used to determine proper system airflow. Does not teach duct design.
1006-0008	Compressors	Technicians will learn how to properly diagnose compressor failures, and the underlying causes of early compressor failures.
1006-0010	Residential Package Systems	Installation and service of package units primarily used in residential and light commercial installations
1006- 0012	Motors	Operation and construction of all types of motors used in HVAC including: Induction, ECM, (constant volume) and EEM (constant torque). It also covers troubleshooting and service of these motors.
1006-0024	Psychrometrics for Technicians	An introduction to the psychrometric chart. It instructs technicians on how to use the chart for equipment selection, and how to understanding the relationship between humidity and comfort.
1006-0027	Communicating Systems	Covers troubleshooting techniques for communication that takes place between various parts of the system, and reading system fault and status codes
1006-0028	Evacuation & Charging	This course teaches the proper techniques, tools, and equipment used for evacuation and charging of HVAC systems. Technicians will learn how to charge by weight, superheat and sub-cooling.
1006-0029	Schematic Diagrams for Technicians	This course is an introduction to wiring diagrams, symbols, and basic circuits.
1006-0031	Residential Split Systems	Installation and commissioning, service and troubleshooting, dangers of mismatching equipment, using system configurator
1006-0033	General Combustion Principles	Principles of gas combustion, various types of venting, dangers of carbon monoxide
1006-0034	Superheat & Sub-cooling	Technicians will learn the fundamentals of superheat and sub-cooling, and how to use these techniques to diagnose system problems
1006-0035	Unitary Inverter System	Course covers application, installation and commissioning, service and troubleshooting of 20+SEER air conditioners and heat pumps



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