

LAARS -U.H.E. Commercial Gas High Efficiency Water Heater

Date: Bid Date:
Project #: Location:
Project Name: Engineer:
Contractor: Prepared By:

Specification 

All models are design certified by CSA International (formerly AGA/CGA) for up to 180°F. (82°C) application as an Automatic Storage Heater, and an Automatic Circulating Tank Heater.

As an Automatic Storage Heater, all models are complete self-contained water heating systems. It needs no separate storage tank, pump, wiring or elaborate piping network. When equipped with a mixing valve, it will supply 180°F (82°C). sanitizing and 140°F (60°C) general purpose hot water simultaneously. These models can be used either as a single unit or in multiples connected in parallel.

Sample Specification

The water heater shall be a LAARS Heating System model UHE-_____ with a rated storage capacity of not less than _____ gallons/liters, a minimum gas input of _____ BTU/hr, a minimum recovery of _____ GPH/LPH at 100°F (56°C) temperature rise, and a Thermal Efficiency Rating of ____%. It shall be design certified by CSA International (formerly AGA and CGA) for 180°F (82°C) application, either with or without a separate storage tank. The tank shall be lined with vitreous enamel and shall have a bolted hand hole cleanout. The tank shall have four extruded magnesium anode rods installed in separate head couplings. This water heater shall be equipped with stainless steel cold water inlet, sediment reducing cold water inlet tube. The heater shall be insulated with Non-CFC foam. This water heater shall be equipped with an electronic ignition system, an ASME rated T&P relief valve and a premix closed combustion system for direct venting using either 3" (76mm) or 4" (102mm) PVC, CPVC or ABS vent pipe. (115V AC required). The water heater shall be factory assembled and tested. The water heater shall be approved for zero clearance to combustibles. The control shall be an adjustable electronic thermostat to any temperature up to 180°F (82°C). A recycling Energy Cut Off (E.C.O.) shuts off all gas in the event of an overheat condition. The entire installation shall be made in compliance with state and local codes and ordinances.