

# RHEEM-RUUD ADVANTAGEPLUS SEALED-COMBUSTION GAS-FIRED WATER HEATERS

The HE45-160 and HE45-199 Booster models are the only models equipped with a 180°F thermostat. Models with 180°F thermostats come standard with the Booster Installation Kit which includes all necessary components for an approved installation.

## BOOSTER INSTALLATION KIT INCLUDES:

- Nibco Tee – 1" x 1" x 1/2" (2 pieces)
- Female Adapter – 1" (2 pieces)
- Dial Thermometer (2 pieces)
- Expansion Tank – 4-1/2 gallon
- Grundfos 3 Speed Pump with Check Valve
- Nibco 1.2" x 12" Fitting Air Chamber
- Vacuum Relief Valve
- Pressure Gauge – 0-200 PSI
- Nibco Tee 712R – 1" x 1" x 3/4" (2 pieces)
- Nibco Tee 714RR – 1" x 1/2" x 1"
- Nibco Tee – 1" x 1/2" x 1" Copper
- Reducing Coupling
- Pressure Reducing Valve
- Nibco Male Adapter – 1"

## ADVANTAGEPLUS SPECIFICATIONS

The Water Heaters shall be **RHEEM-RUUD** model number HE-119-199. The Water Heaters shall be a sealed combustion system, taking only outside air for combustion and exhausting the flue gas with plastic pipe. The intake air shall be piped with plastic PVC or ABS pipe, 3" in diameter (2" in diameter for 100,000 BTU and 130,000 BTU) and the exhaust gas shall be piped with CPVC or ABS solid NON FOAM CORE for the first 7' only, with the remaining pipe being sch 40 or 80 CPVC solid - solid PVC NON FOAM CORE - ABS solid NON FOAM CORE. All related intake air and exhaust gas shall be approved for zero clearance to any combustible surface.

The heaters shall be constructed of 316L stainless steel. The primary condensing heat exchanger shall be constructed of 90/10 cupronickel. The insulation is a water blown foam and shall be 2" thick with rating of R14.2 and 3" on the top of the heater rated at R21.3. Insulation shall be enclosed in a plastic shell. All components shall be located in the front of the heater for easy access for serviceability. All related hardware shall be constructed of stainless steel studs and brass nuts for serviceability.

## LIMITED WARRANTY

This product features a three year limited warranty against tank leaks. Please refer to Commercial Warranty Information brochure for complete warranty information.



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"In keeping with its policy of continuous progress and product improvement, Rheem-Ruud reserves the right to make changes without notice."