

CEE RESIDENTIAL HEATING AND COOLING SYSTEMS INITIATIVE

CEE Residential Gas Furnace and Gas Boiler Specifications Effective June 1, 2015

The CEE Residential Heating and Cooling Systems Initiative encourages member programs to support higher tiers of energy efficiency as appropriate for local climate conditions and heating demands. CEE periodically revises its specifications. Visit www.cee1.org or www.ceeforum.org for the most recent version. For Terms and Conditions of these specifications, see www.cee1.org/terms-and-conditions.

GAS-FIRED FURNACES

Tier	Required Efficiency Level	Optional Furnace Fan Efficiency
CEE Tier 1	≥ 90 percent AFUE	$e \leq 2.0\%$ as defined by ENERGY STAR 4.0 Program Requirements for Furnaces
CEE Tier 2	≥ 95 percent AFUE	
CEE Tier 3	≥ 97 percent AFUE	

GAS-FIRED BOILERS

Tier	Required Efficiency Level
CEE Tier 0*	≥ 85 percent AFUE
CEE Tier 1	≥ 90 percent AFUE
CEE Tier 2	≥ 95 percent AFUE

*CEE tier 0 for residential boilers is intended for boiler systems where condensing equipment meeting tier 1 or tier 2 is not practicable due to system or building constraints. Additional considerations for condensing equipment are described in the Initiative.

Test Methods

AFUE In measuring energy use as Annual Fuel Utilization Efficiency (AFUE), ASHRAE 103-1993, Methods of Testing for Annual Fuel Utilization Efficiency of Residential Central Furnaces and Boilers must be used as the test standard.

Furnace Fan Efficiency (e) In measuring furnace fan energy use, the approach listed in ENERGY STAR® 4.0 Program Requirements for Furnaces must be used.

Search the [CEE Directory of Efficient Equipment](#) by the levels indicated in this specification.

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