

Summary of the Proposed List of Critical Components for Electric, Boiler-less Commercial Steam Cookers

Following are proposed lists of information and critical components used to develop an energy file report for electric, boiler-less commercial steam cookers during the ENERGY STAR certification process. The energy file would be pulled during an energy inspection in lieu of ENERGY STAR verification testing.

Electric Steam Cooker Information
Make/Model
Pan Capacity
ENERGY STAR Ratings
Electrical Ratings
Specification Sheet Dimensions

Critical Component List	Comments
Door Gasket	A change in door gasket material or dimensions would affect the rate of heat loss from the unit.
Cooking Cavity	A change in cooking cavity dimensions is unlikely, given the standardization of pan design. However, a change in cooking cavity design is indicative of other changes in the steamer which would impact energy performance.
Steam Vent and Steam Exhaust Tubing	Steam vent and exhaust tubing design will affect the rate of steam withdrawal from the cooking cabinet. Any change in these components is expected to affect energy consumption.
Thermal Insulation	Amount of heat loss from the unit is heavily dependent on thermal insulation thickness and placement.
Temperature Control and Hold Thermostat	Whether electromechanical or electronic, changes in the temperature controller or thermostat would inevitably affect overall unit energy consumption.
Heating Elements	The rating and construction of the heating element directly affects energy consumption.