



# ENERGY STAR® Program Requirements for Commercial Steam Cookers

## Eligibility Criteria

Below is the product specification (Version 1.1) for ENERGY STAR qualified commercial steam cookers. A product must meet all of the identified criteria if it is to be labeled as ENERGY STAR by its manufacturer.

- 1) **Definitions:** Below is a brief description of a commercial steam cooker and other terms as relevant to ENERGY STAR.
  - A. **Steam Cooker:** Also referred to as a “compartment steamer,” a device with one or more food steaming compartments in which the energy in the steam is transferred to the food by direct contact. Models may include countertop models, wall-mounted models and floor-models mounted on a stand, pedestal or cabinet-style base.
  - B. **Cooking Energy Efficiency:** The quantity of energy input to the food products; expressed as a percentage of the quantity of energy input to the appliance during the heavy-, medium-, and light-load tests. For purposes of this specification, heavy-load will be used as a measurement of energy efficiency.
  - C. **Heavy (Potato) Load Cooking:** The manufacturer’s stated capacity of 12 by 20 by 2½ inch (300 by 500 by 65 mm) perforated hotel pans each filled with 8.0 ± 0.2 lb (3.6 ± 0.1 kg) of fresh, whole, US No. 1, size B, red potatoes.
  - D. **Idle Energy Rate:** The rate of appliance energy consumption while it is maintaining or holding at a stabilized operating condition or temperature.
  
- 2) **Qualifying Products:** Any commercial steam cooker that meets the definition in Section 1A is eligible for the ENERGY STAR.
  
- 3) **Energy-Efficiency Specifications for Qualifying Products:** Only those products listed in Section 2 that meet the criteria presented in Table 1 or 2, below, may qualify as ENERGY STAR:

Table 1: Energy Efficiency Requirements for Electric Steam Cookers		
Pan Capacity	Cooking Energy Efficiency*	Idle Rate (watts)
3-pan	50%	400
4-pan	50%	530
5-pan	50%	670
6-pan and larger	50%	800

Table 2: Energy Efficiency Requirements for Gas Steam Cookers		
Pan Capacity	Cooking Energy Efficiency*	Idle Rate (Btu/h)
3-pan	38%	6,250
4-pan	38%	8,350
5-pan	38%	10,400
6-pan and larger	38%	12,500

\*Cooking Energy Efficiency is based on heavy load (potato) cooking capacity.

- 4) **Test Criteria:** Manufacturers are required to perform tests and self-certify those product models that meet the ENERGY STAR guidelines. The test results must be reported to EPA using the Commercial Steam Cookers Qualifying Product Information (QPI) Form.

In performing these tests, partner agrees to measure a model's energy-efficiency using the ASTM Standard F1484-99, *Test Method for the Performance of Steam Cookers*.

- 5) **Effective Date:** The date that manufacturers may begin to qualify products as ENERGY STAR will be defined as the *effective date* of the agreement. The ENERGY STAR Specification for Commercial Steam Cookers is effective **August 1, 2003**.

- 6) **Future Specification Revisions:** ENERGY STAR reserves the right to change the specification should technological and/or market changes affect its usefulness to consumers, industry, or the environment. In keeping with current policy, revisions to the specification are arrived at through industry discussions. **Please note that ENERGY STAR qualification is not automatically granted for the life of the product model.** To carry the ENERGY STAR label, a product model must meet the ENERGY STAR specification in effect on the model's date of manufacture.