



# Standards of Performance for New Residential Wood Heaters, New Residential Hydronic Heaters and Forced-Air Furnaces

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## Subpart AAA – Standards of Performance for New Residential Wood Heaters

Section 60.530 (b) (4) Cook stoves as defined in Section 60.531 are exempt from the applicable emission limits of Section 60.532 and the requirements of Section 60.533.

Section 60.531 Cook stove means a wood-fired appliance that is designed, marketed and warranted primarily for cooking food and that has the following characteristics:

- (1) An oven, with volume of 0.028 cubic meters (1 cubic foot) or greater, and an oven rack;
- (2) A device for measuring oven temperatures;
- (3) A flame path that is routed around the oven;
- (4) An ash pan;
- (5) An ash clean-out door below the oven;
- (6) The absence of a fan or heat channels to dissipate heat from the appliance;
- (7) A cooking surface with an area measured in square inches or square feet that is at least 1.5 times greater than the volume of firebox measured in cubic inches or cubic feet. Example: A cook stove with a firebox of 2 cubic feet must have a cooking surface of at least 3 square feet;
- (8) A portion of at least four sides of the oven (which may include the bottom and/or top) is exposed to the flame path during the heating cycle of the oven. A flue gas bypass may exist for temperature control.

Cookstove Requirements	350 Baker's Oven	550 Baker's Oven
(1) Oven volume > 1 cubic foot	1.19 cubic feet with oven rack	1.69 cubic feet with oven rack
(2) Oven thermometer	✓	✓
(3) Flame path around oven	✓	✓
(4) Ash pan	Ash collection beneath oven	Ash collection beneath oven
(5) Ash clean out beneath oven	Access ash pan through base of oven	Access ash pan through base of oven
(6) No fan or heat channels	✓	✓
(7) Cooking surface 1.5 times greater than firebox volume	Cooking surface = 2.6 square feet Firebox volume = 1.49 cubic feet	Cooking surface = 3.4 square feet Firebox Volume = 1.55 cubic feet
(8) At least four sides of oven exposed to flame path	Flame path wraps sides, base, and rear of oven	Flame path wraps sides, base, and rear of oven