

RULE 69.6. NATURAL GAS-FIRED FAN-TYPE CENTRAL FURNACES
(Adopted June 17, 1998; Effective January 1, 1999)

(a) **APPLICABILITY**

Except as otherwise provided in Section (b), this rule shall apply to any person who manufactures, distributes, sells, offers for sale, or installs natural gas-fired, fan-type central furnaces, including combination heating and cooling units, for use in San Diego County.

(b) **EXEMPTIONS**

The provisions of this rule shall not apply to:

- (1) Fan-type central furnaces with a rated heat input capacity of 175,000 Btu per hour or greater, or
- (2) Combination heating and cooling units with a rated cooling capacity of 65,000 Btu per hour or greater, or
- (3) Fan-type central furnaces installed in mobile homes.

(c) **DEFINITIONS**

For the purpose of this rule the following definitions shall apply:

- (1) **“Btu”** means British thermal units.
- (2) **“Fan-Type Central Furnace”** means a self-contained space heater providing for circulation of heated air at pressures other than atmospheric through ducts more than 10 inches in length that has a rated heat input capacity of less than 175,000 Btu per hour or, for combination heating and cooling units, that has a rated cooling capacity of less than 65,000 Btu per hour.
- (3) **“Heat Output”** means the product obtained by multiplying the Annual Fuel Utilization Efficiency, as defined by Section 4.6 of Code of Federal Regulations, Title 10, Part 430, Subpart B, Appendix N, by the rated heat input capacity of the furnace.
- (4) **“Mobile Home”** means a structure as defined in Section 18008 of the California Health and Safety Code.
- (5) **“Rated Cooling Capacity”** means the cooling capacity, in Btu per hour, as specified by the manufacturer on the nameplate of the cooling unit.
- (6) **“Rated Heat Input Capacity”** means the heat input capacity of a furnace, in Btu per hour, as specified by the manufacturer on the nameplate of the furnace.

(d) **STANDARDS**

Except as otherwise provided in Section (b), effective January 1, 1999, no person shall manufacture, distribute, sell, offer for sale, or install within San Diego County any natural gas-fired, fan-type central furnace that emits more than 40 nanograms of oxides of nitrogen (calculated as nitrogen dioxide) per joule (93 lb of oxides of nitrogen per billion Btu) of heat output.

(e) **CERTIFICATION**

(1) A manufacturer of any new furnace to be offered for sale in San Diego County shall submit to the Air Pollution Control Officer a statement certifying that each model of furnace subject to the requirements of Section (d) of this rule complies with the provisions of this rule.

(i) The statement shall be signed, dated, and attest to the accuracy of all information.

(ii) The statement shall be submitted at least 30 days before the furnace model is offered for sale, sold, or installed within San Diego County.

(iii) The statement shall include:

(A) Brand name,

(B) Model number,

(C) Rated heat input capacity as specified on the nameplate, and

(D) Oxides of nitrogen emission test results of each model being certified.

(2) A manufacturer shall submit to the Air Pollution Control Officer a new certification statement for any furnace model whose design is changed in any manner which may alter oxides of nitrogen emissions.

(3) To comply with Subsections (e)(1) or (e)(2), a manufacturer may submit to the Air Pollution Control Officer a South Coast Air Quality Management District certification statement for the furnace model.

(f) **LABELING**

On the shipping carton and the nameplate of every furnace to be offered for sale in San Diego County, the manufacturer shall display the model number of the furnace complying with Section (e) of this rule.

(g) **RECORDKEEPING**

A manufacturer shall keep oxides of nitrogen emission test records and certification records for as long as the furnace model is offered for sale or sold within San Diego County, or for three calendar years after manufacture, whichever is longer. Such records shall be provided to the District upon request.

(h) **TEST METHODS**

To determine compliance with Section (d) of this rule, measurement of oxides of nitrogen shall be conducted in accordance with:

(1) San Diego Air Pollution Control District Test Method 100 as approved by the federal Environmental Protection Agency in May 1995, or

(2) South Coast Air Quality Management District Test Method 100.1 as approved by the federal Environmental Protection Agency in March 1989.

(i) **EMISSION TEST REQUIREMENTS**

Emission tests shall be performed in accordance with the procedures and methods outlined in the South Coast Air Quality Management District Protocol: Rule 1111 Nitrogen Oxides Emissions Compliance Testing for Natural Gas-Fired, Fan-Type Central Furnaces as it exists on June 17, 1998.