

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

(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 with:
(1) a rated heat input capacity of less than 175,000 Btu per hour or and (2) combination heating and cooling units with a rated cooling capacity less than 65,000 Btu per hour.

(b) **EXEMPTIONS RESERVED**

~~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) **“Natural Gas-Fired Fan-Type Central Furnace”** means a self-contained space heater fired exclusively by natural gas 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) **“Manufactured Home”** means a structure as defined in 42 United States Code Section 5402 and Section 18007 of the California Health and Safety Code.

(4-5) **“Mobile Home”** means a structure as defined in Section 18008 of the California Health and Safety Code.

(5-6) **“Rated Cooling Capacity”** means the cooling capacity, in Btu per hour, as specified by the manufacturer on the nameplate of the cooling unit.

(6-7) **“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), e~~Effective January 1, 1999 *(six months after adoption)*, no person shall manufacture, distribute, sell, offer for sale, or install within San Diego County:

(1) ~~a~~Any natural gas-fired, fan-type central furnace that emits more than ~~40~~ 14 nanograms of ~~oxides of nitrogen oxides~~ (calculated as nitrogen dioxide) per joule ~~(93 lb of oxides of nitrogen per billion Btu)~~ of heat output. This standard does not apply to furnaces used in manufactured or mobile homes.

(2) Any natural gas-fired, fan-type central furnace used in a manufactured or mobile home that emits more than 40 nanograms of nitrogen oxides (calculated as nitrogen dioxide) per joule of heat output.

(e) **CERTIFICATION**

(1) Upon request by the District, A manufacturer of any new natural gas-fired, fan-type central furnace to be offered for sale in San Diego County shall submit to the ~~Air Pollution Control Officer-District~~ 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 in Btu per hour as specified on the nameplate, ~~and~~

(D) Rated cooling capacity (if applicable) in Btu per hour as specified on the nameplate, and

~~(D-E) Oxides of nitrogen~~ Nitrogen oxides emission test results in nanograms of nitrogen oxides per joule of each model being certified.

(2) Upon request by the District, a ~~A~~ manufacturer shall submit to the ~~Air Pollution Control Officer District~~ District a new certification statement for any natural gas-fired, fan-type central furnace model whose design is changed in any manner which may alter ~~oxides of nitrogen oxides~~ emissions.

(3) To ~~comply demonstrate compliance~~ with Subsections (e)(1) or (e)(2), a manufacturer may submit to the ~~Air Pollution Control Officer District~~ District a ~~South Coast Air Quality Management District~~ certification statement for the furnace model from South Coast Air Quality Management District, San Joaquin Valley Air Pollution Control District or Bay Area Air Quality Management District.

(f) LABELING

On the shipping carton and the nameplate of every natural gas-fired, fan-type central furnace to be offered for sale in San Diego County, the manufacturer shall display the model number, the rated heat input capacity in Btu per hour, and the rated cooling capacity (if applicable) in Btu per hour ~~of the furnace complying with Section (e) of this rule.~~

(g) RECORD KEEPING REQUIREMENTS

A manufacturer shall keep ~~oxides of nitrogen~~ oxides emission test records and certification records for as long as the natural gas-fired, fan-type central 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 nitrogen oxides shall be conducted in accordance with:

- (1) San Diego County 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~~, or
- (3) Environmental Protection Agency Test Methods 7E and 3A, or
- (4) Any other test method approved in writing by the District.

(i) EMISSION TEST REQUIREMENTS

~~During 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~~ operation of the natural gas-fired, fan type central furnace shall be in accordance with the procedures specified in Code of Federal Regulations, Title 10, Part 430, Subpart B, Appendix N.