

JIS

JAPANESE INDUSTRIAL STANDARD

**Semi Closed Type
Oil Burning Space Heaters**

 **JIS S 2039**—1987

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Semi Closed Type Oil Burning Space Heaters

S 2039-1987

1. Scope

This Japanese Industrial Standard specifies the semi closed type⁽²⁾ oil burning space heaters of not more than 3200 g/h in fuel consumption⁽¹⁾, using kerosine, gas oil or fuel oil as fuel, hereinafter referred to as the "space heaters". However, the fuel consumption of forced exhaust gas type⁽²⁾ space heaters shall be not more than 2200 g/h.

Notes ⁽¹⁾ The fuel consumption means the amount of fuel to be burned when the oil control device is made the maximum expressed per one hour.

⁽²⁾ The semi closed type and forced exhaust gas type mean the "semi closed type" and "forced exhaust gas type" specified in 3.2 Division of Appliances by Supply and Exhaust Gas System of JIS S 3030.

Remark: In this Standard the units and numerical values shown in { } are in accordance with the conventional units and appended for informative reference.

2. Classification

2.1 Classification According to Combustion System The classification of space heaters shall be of "pot type", "pressure spray type", "rotary atomizing type", "jet spray type" and "vaporizing type" specified in 3.1 Division According to Combustion System of Appliances of JIS S 3030.

2.2 Classification According to Supply-and-Exhaust Gas System The classification of space heaters shall be of all classes of semi closed type specified in 3.2 Division of Appliances According to Supply-and-Exhaust Gas System of JIS S 3030 (refer to Attached Figs. 2 to 6).

2.3 Classification According to Application Division System The classification of space heaters shall be of "natural convection type" and "forced convection type" specified in 3.3 Division of Appliances According to Heat Carrier and Application Division System of JIS S 3030.

3. Performance

3.1 Using Performance The using performance of space heaters shall be as follows:

- (1) The ignition is easy, dangerous articles of high inflammability such as alcohol and the like are not used, and dangerous operation is not required.

Applicable Standards: See page 32.

- (2) The working of each part is smooth, secure and free from defects harmful to use.
- (3) The knobs and the like shall be free from easy deformation during using and abnormalities during working.
- (4) The operation is easy, and there is no fear to cause danger at that time.
- (5) The operation of fire extinguishing is able to be carried out quickly and securely.
- (6) During the combustion by normal procedure, such condition where the combustion condition can not be affirmed due to adhesion of oil smoke on the peep window is not caused.
- (7) The space heater having a combustion control apparatus has no fear that at each combustion amount the flame becomes abnormally large, or remarkable smoke is generated, or other abnormal combustion is caused.

3.2 Performance on Material Quality The performance on material quality, when tested according to 9. Testing Method and JIS S 3031, shall comply with the specification of Table 1.