

Appliances	Fuel	Above Top of Casing or Appliance	From Top and Sides of Warm-air Bonnet or Plenum	From Front <sup>1</sup>	From Back <sup>6</sup>	From Sides <sup>6</sup>
<b>Furnaces - Floor</b>						
For mounting on combustible floors.	Solid	18 <sup>2</sup>	18 <sup>2</sup>	48	18	18
	Automatic Oil or comb. Gas-oil	36		12	12	12
<b>Room Heaters<sup>3</sup></b>						
Circulating type.	Oil or Solid	36		24	12	12
Radiant or Other type.	Oil or Solid	36		36	36	36
Fireplace stove	Solid	48 <sup>4</sup>		54	48 <sup>4</sup>	48 <sup>4</sup>
<b>Incinerators</b>						
Domestic types		36 <sup>5</sup>		48	36	36
<b>Commercial - Type</b>						
<b>Low Heat Appliances</b>						
Unit Heaters	All fuels	18		48	18	18
Floor mounted any size.						
Other low-heat industrial appliances.	All fuels	18	18	48	18	18
Floor mounted or suspended.						
<b>Commercial Industrial - Type</b>						
<b>Medium Heat Appliances</b>						
Incinerators		48		96	36	36
All sizes.						

**Footnotes:**

(1) The minimum dimension shall be that necessary for servicing the appliance, including access for cleaning and normal care, tube removal, and similar items.

(2) The dimension may be six inches (152mm) for an automatically stoker-fired forced-warm-air furnace equipped with 250 degree Fahrenheit limit control and with barometric draft control operated by draft intensity and permanently set to limit draft to a maximum intensity of 0.13-inch water gauge (32Pa).

(3) Approved appliances must be installed on non-combustible floors and may be installed on protected combustible floors. Heating appliances approved for installation on protected combustible flooring shall be so constructed that flame and hot gases do not come in contact with the appliance base. Protection for combustible floors shall consist of four inch (102mm) hollow masonry covered with sheet metal at least 0.021 inch (0.5mm) thick (NO. 24 manufacturer's standard gauge). Masonry must be permanently fastened in place in an approved manner with the ends unsealed and joints matched so as to provide free circulation of air through the masonry. Floor protection shall extend 12 inches (305mm) at the sides and rear of the appliance, except that at least 18 inches (457mm) shall be required on the appliance-opening side or sides measured horizontally from the edges of the opening.

(4) The 48-inch (1219mm) clearance may be reduced to 36 inches (914mm) when protection equivalent to that provided by items 1 through 6 of Table 304.8 (see below) is applied to the combustible construction.

(5) Clearance above the charging door must be at least 48 inches (1219mm).

(6) If the appliance is encased in brick, the 18-inch (457 mm) clearance above and at sides and rear may be reduced to 12 inches (305mm).<sup>7</sup>;