

**CITY OF NEW YORK  
DEPARTMENT OF BUILDINGS**

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of the Material and Equipment Acceptance (MEA) Division.

Patricia J. Lancaster, F.A.I.A., Commissioner

**MEA 92-04-E  
MEA Report of Material and Equipment Acceptance Division**

**Manufacturer- Carrier Corporation, 7310 West Morris St., Indianapolis, Indiana 46231.**

**Trade Name- Carrier.**

**Product- Downflow/horizontal gas fired furnaces.**

**Pertinent Code Section(s)- 27-800, 27-825, C926-1414.1, RS 14-2 (ANSI Z223.1).**

**Prescribed Test(s)- RS 14-6 (ANSI Z21.47).**

**Laboratory- CSA International.**

**Test Report- CSA file 150574-1012312 dated June 25, 1999.**

**Description- Downflow/horizontal gas fired forced air furnaces, model 58RAV, designed for indoor installation. Unit consists of induced draft assembly, direct drive blower, main burner, aluminized steel heat exchanger assembly, hot surface ignition system comprising igniter, flame sensor and combination gas pressure regulator. Units are provided with a temperature limit control. Units, with model numbers and input heating ratings are listed below:**

<b>Model Number</b>	<b>Input Heating Rating BTUH</b>
<b>58RAV050-08,12</b>	<b>46,000</b>
<b>58RAV070-08,12</b>	<b>69,000</b>
<b>58RAV095-12,16</b>	<b>92,000</b>
<b>58RAV115-16,20</b>	<b>115,000</b>
<b>58RAV135-20</b>	<b>135,000</b>

## INSTALLATION CLEARANCES

For indoor installation with the following minimum clearances to combustible construction.

**Clearances**

Model No.	Top	Front	Vent	Rear	Left Side	Right Side	Floor
*58RAV050-08, 12	1	A1	#6	0	6	6	Combustible
*58RAV070-08, 12	1	A1	#6	0	6	6	Combustible
*58RAV095-12, 16	1	A1	#6	0	6	6	Combustible
*58RAV115-16, 20	1	A1	#6	0	6	6	Combustible
*58RAV135-20	1	A1	#6	0	6	6	Combustible
58RAV050-08, 12	1	++6	#6	3	^6	^6	Combustible
58RAV070-08, 12	1	++6	#6	3	^6	^6	Combustible
58RAV095-12, 16	1	++6	#6	3	^6	^6	Combustible
58RAV115-16, 20	1	++6	#6	3	^6	^6	Combustible
58RAV135-20	1	++6	#6	3	^6	^6	Combustible
58RAV050-08, 12	1	++6	#6	0	+1	+1	Non-Combustible
58RAV070-08, 12	1	++6	#6	0	+1	+1	Non-Combustible
58RAV095-12, 16	1	++6	#6	0	0	0	Non-Combustible
58RAV115-16, 20	1	++6	#6	0	0	0	Non-Combustible
58RAV135-20	1	++6	#6	0	0	0	Non-Combustible

### Notes:

- \* For line contact installation.
- ++ Clearance may be 3" when type B1 vent is used.
- # Clearance may be 1" when type B1 vent is used.
- + Clearance may be 0" when type B1 vent is used.
- ^ Clearance may be 3 in. on inlet side when type B1 vent is used;  
Clearance may be 1 in. on outlet side.

**Recommendation-** That the above described forced air furnaces, be accepted for indoor installation with minimum clearances given above, when using natural gas only, under the following conditions:

1. If utilized for residence heating, the circulatory air system shall have (a) one register or grille without closable shutters and the duct leading thereto shall be without a damper or, (b) dampers and shutters within the system shall be constructed or controlled so as to prevent closure beyond 80 percent of the gross duct area at all times.

2. If furnace is installed in combination with a cooling system, then cooling must be MEA accepted.
3. All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to those tested and acceptable for use, as provided for in Section 27-131 of the Building Code.
4. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Bureau of Electrical Control before installation.

Final Acceptance Feb/05/05

Examined By S Derbuda