

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, A.I.A., Commissioner

MEA 290-03-E

Report of Materials and Equipment Acceptance Division

Manufacturer – Rheem Manufacturing Company, P.O. Box 17010, Fort Smith, AR 72917-7010.

Trade Name – Rheem.

Product – Gas furnaces.

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

Prescribed Tests – RS 14-6 (ANSI Z21.47).

Laboratory – Canadian Standards Association International.

Test Report – No. 1008055 dated February 26, 2003.

Description – Gas fired air furnaces designed for indoor installation. Unit consists of induced draft (power exhaust), aluminized steel main burner, heat exchanger assembly, pressure switch, intermittent ignition system comprising pilot burner and igniter (electrode), flame sensor, ignition module and combination gas pressure regulator. These are provided with a combination fan and temperature limit control set at 170°F, maximum and designed for operation at the temperature rise range of 30°F to 80°F. Units, with model numbers, and input heating ratings are listed below:

Model No.	(IN.W.C)	Input (BTUH)
(R,U)GPK-05(E,N)AUER	0.10 to 0.50	Max. 50,000 Min. 35,000
(R,U)GPK-07(E,N)AMER, (R,U)GPK-07(E,N)AMGR	0.12 to 0.50	Max. 75,000 Min. 52,500
(R,U)GPK-10(E,N)AMER, (R,U)GPK-10(E,N)BRJR	0.15 to 0.50	Max. 100,000 Min. 87,500
(R,U)GPK-12(E,N)ARJR	0.20 to 0.50	Max. 125,000 Min. 87,500
(R,U)GPK-15(E,N)ARJR	0.20 to 0.50	Max. 150,000 Min. 105,000

CLEARANCES TO COMBUSTIBLES – (INCHES) (DOWNFLOW)

<u>MODEL</u>	<u>A</u> <u>TOP</u>	<u>B</u> <u>FRONT</u>	<u>C</u>	<u>D</u> <u>FLUE</u>	<u>EL</u> <u>BACK</u>	<u>ER</u> <u>L.SIDER.SI</u>	<u>FLOOR</u>
>10(B),12,15	1	3CL,AT		#6	0	0	0
>07,10(A)	1	3CL,AT		#6	0	0	+3
>04,05,06	1	3CL,AT		#6	0	0	+4

CL – Closet
 C – Combustible
 AT – Attic

- > - Equipped with vent safety shut off system.
- # - Clearance may be 1 in. when Type B-1 vent is used.
- + - Clearance may be 0 in. when Type B-1 vent is used.

Recommendation - That the above described downflow/horizontal 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 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 the cooling system shall be MEA accepted.
3. All shipments and deliveries of such equipment shall be accompanied by a certificate or label certifying that the equipment shipped or delivered is equivalent to that 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 10/29/03

Examined by 