

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 343-03-E
Report of Materials and Equipment Acceptance Division

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

Trade Name – Rheem, Weatherking, Ruud.

Product – Oil fired furnaces.

Pertinent Code Section(s) – 27-800.

Prescribed Tests – RS 14-6 (UL727).

Laboratory – Underwriters Laboratories Inc.

Test Report – UL File MP2705, dated March 5, 1993 and revised February 16, 2001.

Description – Oil fired horizontal suspended type central heating furnaces as tabulated below. Each furnace employs an oil burner of mechanical draft, pressure atomizing, on-off type with direct spark ignition using not heavier than No. 2 oil. Furnaces are designed for duct connection and are automatically operated by a remote thermostat.

Model No.	Fuel Input GPH
ROBD-056	0.50
ROBD-067	0.60
ROBD-084	0.75
ROBD-095	0.85
ROBD-112	1.00
ROBD-130	1.20
ROBD-150	1.35

Installation Clearances:

The furnace may be installed on combustible flooring in a closet (Model ROBD Series units only) or alcove with Standard Form IIa or the following minimum clearances between the furnace and combustible construction.

Location	Clearance, Inches (mm)		
	ROBD	ROPD Downflow	ROPD Horizontal
Above furnace casing or plenum	3 (75)	0	1 (25)
From horizontal warm-air duct within 6 feet of furnace	1 (25)	1 (25)	1 (25)
Front of Furnace	8 (200)	8 (200)	-
Back of furnace	1 (25)	1 (25)	1 (25)
Left Side of Furnace	1 (25)	1 (25)	-
Right side of furnace	1 (25)	1 (25)	-
Any side of plenum	2 (50)	2 (50)	2 (50)
Flue pipe, beneath or measured horizontally	4 (100)	4 (100)	4 (100)
Flue pipe, measured vertically	8 (200)	8 (200)	8 (200)
Outlet end of furnace	-	-	2 (50)

ROPD models will have both downflow and horizontal clearances specified to cover both types of installations.

Recommendation - That the above described furnaces be accepted for use fired by fuel oil not heavier than No. 2 only, when installed in accordance with the minimum clearances to combustible construction shown above, 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 heating-cooling system must be MEA accepted.
3. No automatic flue damper device shall be installed in conjunction with these units.
4. Approval shall be obtained from the Department of Air Resources to show compliance with their rules and regulations for fuel oil-burning equipment.
5. All shipments and deliverers of such equipment shall be provided with a metal tag, suitably placed, 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.
6. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Bureau of Electrical Control before installation.

Final Acceptance 12/26/03

Examined by Shyam M. Prasad