

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 106-03-E
Report Materials and Equipment Acceptance Division

Manufacturer – AAON, Inc., 2425 South Falcon Avenue., Tulsa, OK 74130.

Trade Name – AAON.

Product – Rooftop mounted heating-cooling units.

Pertinent Code Section(s) – 27-770, 27-777, 27-800.

Prescribed Tests – RS 13-11 (UL 1995), RS 14-6 (ANSI Z21.47).

Laboratory – Intertek Testing Services.

Test Report – No. 3039659-002, dated March 11, 2003, No. 3039659-001, dated March 11, 2003.

Description – Heating/cooling units designed for rooftop or outdoor installation.

Heating section operates on natural gas and cooling section employs refrigerant R-22. Heating portion consists of aluminized steel heat exchanger, galvanized steel main burners, automatic gas ignition pilot burner with thermocouple assembly, belt driven blower assembly, combination gas and temperature limiting devices and pertinent safety controls. Cooling section comprises hermetically sealed compressor, air cooled condenser with fan, evaporator coil with blower, expansion valve pressure limiting device and safety controls. Units, with model numbers and nominal heating and cooling capacities are listed below:

Model No.	Mfr.'s Specified Nominal Cooling Capacity (Tons)	Mfr.'s Specified Nominal Heating Capacity (BTUH)
RN036	26	312,000
RN031	31	372,000
RN040	40	480,000
RN050	50	600,000
RN060	60	720,000
RN070	70	840,000
RM001		
RM002		
RM003		
RM004	4	48,000
RM005	5	60,000

RM006	6	72,000
RM007	7	84,000
RM008	8	96,000
RM009	9	108,000
RM010	10	120,000
RM013	13	156,000

Recommendation - That the above described heating/cooling units be accepted for outdoor installation only, when heating section operates on natural gas and cooling section employs Refrigerant R-22, under the following conditions:

1. If utilizing 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. 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 that tested and acceptable for use, as provided for in Section 27-131 of the Building Code.
3. All equipment shall be furnished with a permanently affixed metal tag, stating that if installed in New York City within 100 feet of any dwelling unit window, there shall be compliance with all provisions of Section 27-770, as to maximum sound levels permitted for exterior mechanical equipment.
4. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Bureau of Electrical Control before installation.

Final Acceptance 6/24/03

Examined by Shyam M. Ghose