



NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
(212) 566-5000, TTY: (212) 566-4769

Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 181-07-E

Manufacturer: Carrier Corporation, 1700 E Duncan St., Tyler, TX 75702

Trade Name(s): Carrier, Bryant

Product: Single-packaged rooftop electric cooling with gas heat, and heat pumps.

Pertinent Code Section(s): 27-770, 27-777, 27-800, RS 14-2 (ANSI Z223.1)

Prescribed Test(s): RS 13-11 (UL 465, 1995), RS 14-6 (ANSI Z21.47)

Laboratory: Underwriter's Laboratories, Inc.

Test Report(s): UL File SA6994, Volume 2, Section 26
UL File SA6994, Volume 2, Section 49
UL File SA6994, Volume 2, Section 36

Description: Single packaged heating/cooling unit, Models 48/50HE, 50HEQ, designed for rooftop or outdoor installation. Heating section operates on natural gas, and cooling section employs refrigerant R22. Heating portion is comprised of heat exchanger, inshot main burners, direct spark ignition system, belt driven centrifugal fan, combination fan and temperature limiting devices and pertinent safety controls. Cooling section comprises hermetically sealed scroll compressors, air cooled condenser, evaporator coil with blower, TXV expansion valve, pressure limiting device and safety controls, and integrated controls. Model numbers, with heating and cooling capacities, are listed on the following page.

Combination Electric Cooling, Gas Heating Models

Nominal Cooling (Tons)	Carrier Model No. (Aluminized)	Carrier Model No. (Stainless)	Bryant Model No.	Gas Heating Input, Btu/hr	Test Report No. (Cooling)	Test Report No. (Heating)
2.0	48HEF003	48HEN003	581C--024	50,000	UL SA6994 Volume 2 Section 26	UL SA6994 Volume 2 Section 49
3.0	48HEE004	48HEM004	581C--036	72,000		
	48HEF004	48HEN004	581C--036	115,000		
4.0	48HED005	48HEL005	581C--048	72,000		
	48HEE005	48HEM005	581C--048	115,000		
	48HEF005	48HEN005	581C--048	150,000		
5.0	48HED006	48HEL006	581C--060	72,000		
	48HEE006	48HEM006	581C--060	115,000		
	48HEF006	48HEN006	581C--060	150,000		

Packaged Cooling Models with Optional Electric Heat

Nominal Cooling (Tons)	Carrier Model No.	Bryant Model No.	Heater Capacity (kW)	Test Report No. (Cooling)
2.0	50HE-003	551C--024	3.3 - 10.5	UL SA6994 Volume 2 Section 26
3.0	50HE-004	551C--036	3.3 - 14.0	
4.0	50HE-005	551C--048	3.3 - 23.0	
5.0	50HE-006	551C--060	4.9 - 25.5	

Packaged Heat Pump Models

Nominal Cooling (Tons)	Carrier Model No.	Bryant Model No.	Cooling Capacity Btu/hr	Heating Capacity Btu/hr	Test Report No. (Cooling/Heating)
2.0	50HEQ-003	549B--024	24,000	23,600	UL SA6994 Volume 2 Section 36
3.0	50HEQ-004	549C--036	37,000	36,000	
4.0	50HEQ-005	549C--048	46,000	46,000	
5.0	50HEQ-006	549C--060	58,500	58,000	

Terms and Conditions: The above-described air-conditioning/gas-heating units are accepted under the following conditions:

1. Units are for residential use only.
2. Units shall use Refrigerant R-22 and natural gas only.
3. If utilized for residence heating, the circulatory air system shall have (a) one register or grille without closeable shutters and the duct leading thereto shall be without a damper, or (b) dampers and shutter within the system that shall be constructed or controlled so as to prevent closure beyond 80 percent of the gross duct area at all times.
4. 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, subdivision 4, as to maximum sound levels permitted for exterior mechanical equipment.
5. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Department's Electrical Advisory Board before installation.
6. Units shall be used in compliance with the Energy Conservation Construction Code of New York State.
7. 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 in Section 27-131 of the New York City Building Code.

NOTE: In accordance with Section 27-131(d), all materials tested and accepted for use shall be subject to periodic retesting as determined by the Commissioner; and any material which upon retesting is found not to comply with Code requirements or the requirements set forth in the approval of the Commissioner shall cease to be acceptable for the use intended. During the period for such retesting, the Commissioner may require the use of such material to be restricted or discontinued if necessary to secure safety.

Final Acceptance August 31, 2007

Examined By Simon Derphedon