



# Report of Materials and Equipment Acceptance Division

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

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 94-06-E

**Manufacturer:** Bryant Heating & Cooling Systems, 7310 West Morris Street, Indianapolis, Indiana 46231

**Trade Name(s):** Bryant

**Product:** Single-packaged rooftop electric cooling, electric heat and gas heat

**Pertinent Code Section(s):** 27-770, 27-777, 27-800, RS14-2(ANSI Z223.1)

**Prescribed Test(s):** RS13-11 (UL465, UL1995), RS14-6 (ANSI Z21.47)

**Laboratory:** Underwriters Laboratories Inc.

**Test Report(s):** UL File SA11583, Volume 7, Section 10, dated August 7, 2006

**Description:** Single-packaged, heating and cooling unit designed for rooftop or outdoor installation. Heating section operates on natural gas or heat pump operation, and cooling section employs refrigerant R-410A. Heating portion consists of heat exchanger, main burners, direct-spark ignition system, centrifugal fan, combination fan and temperature-limiting devices and pertinent safety controls. Cooling / heat pump section is comprised of a compressor, air-cooled condenser, evaporator coil with blower, expansion valve, pressure-limiting devices, accumulator, reversing valve and safety control. Units, with heating and cooling capacities, are listed below:

Model Number	Nominal Input Gas Heating Rating, BTUH	Heating Pump Heating Range Capacity (BTUH)	Nominal Cooling Capacity, Tons
677B-**024040****	40,000	11,600-20,800	2
677B-**030040****	40,000	14,000-27,600	2.5
677B-**030060****	60,000	14,000-27,600	2.5
677B-**036060****	60,000	17,200-33,600	3
677B-**036090****	90,000	17,200-33,600	3
677B-**042060****	60,000	20,600-39,500	3.5
677B-**042090****	90,000	20,600-39,500	3.5

677B-**048090****	90,000	25,000-45,500	4
677B-**048115****	115,000	25,000-45,500	4
677B-**048130****	130,000	25,000-45,500	4
677B-**060090****	90,000	30,800-56,000	5
677B-**060115****	115,000	30,800-56,000	5
677B-**060130****	130,000	30,800-56,000	5

\* Options, may be any letter or number

- Indicates voltage: 3= 208/230-1, 5=208/230-3, 6=460-3

**Terms and Conditions:** The above-described heating/cooling units are accepted under the following conditions:

1. Units shall use only Refrigerant R-410A and natural gas only.
2. If utilized for residence heating, air circulation 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 that shall be constructed or controlled so as to prevent closure beyond 80 percent of the gross duct area at all times.
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 that tested and acceptable for use, as provided in Section 27-131 of the New York City Building Code.
4. A tag must be permanently affixed to the equipment 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.
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.

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 November 23, 2006

Examined By Sum Deshpande