



# 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 339-02-E Vol.2

**Manufacturer:** McQuay International, 4900 Technology Park Blvd., Auburn, N.Y. 13021

**Trade Name(s):** McQuay

**Product:** Packaged water-source heat pump units

**Pertinent Code Section(s):** 27-777

**Prescribed Test(s):** RS 13-6 (ANSI B9.1), RS 13-11 (UL 1995)

**Laboratory:** Intertek Testing Services

**Test Report(s):** No. 3080352-002, dated November 12, 2005.

**Description:** Packaged water-source heat pump units designed for indoor installation. R-410a is the refrigerant used on all sizes of model, WCCH/CCW, and R-22 refrigerant used on all sizes of model, WCRH/CRW. Each unit is comprised of a hermetically sealed compressor, tube-in-tube type water-cooled condenser with piping connections, evaporator, expansion valve and safety controls. An electrically operated reversing valve is provided to initiate the reverse heat cycle. Units, with model numbers, heating and cooling capacities, are listed below:

Model No.	Mfr.'s Specified Nominal Cooling Capacity (BTUH)	Mfr.'s Specified Nominal Heating Capacity (BTUH)
WCRH/CRW-007	6800	9000
WCRH/CRW-009	8500	11200
WCRH/CRW-012	11700	15200
WCRH/CRW-015	17100	20400
WCRH/CRW-019	19700	24500
WCRH/CRW-024	25500	31300
WCRH/CRW-030	33300	39700

Model No.	Mfr.'s Specified Nominal Cooling Capacity (BTUH)	Mfr.'s Specified Nominal Heating Capacity (BTUH)
WCRH/CRW-036	37800	46100
WCRH/CRW-042	42500	51900
WCRH/CRW-048	47000	55300
WCRH/CRW-060	58000	70200
WCRH/CRW-070	71500	83300
WCCH/CCW-019	19900	25000
WCCH/CCW-024	23200	29200
WCCH/CCW-030	28800	37400
WCCH/CCW-036	34500	44700
WCCH/CCW-042	42900	52500
WCCH/CCW-048	46400	58700
WCCH/CCW-060	60100	75000

**Terms and Conditions:** The above-described water-source heat pump units, in conjunction with compatible heat-rejection equipments, such as a cooling tower are accepted under the following conditions:

1. Units shall be installed indoors only.
2. Either refrigerant R-22 or R-410a only shall be used for the systems.
3. Cooling tower or other compatible indoor heat-rejection requirement, if installed within 100 feet of any dwelling unit window, shall comply with all provisions of Section 27-770, noise control of mechanical equipment, and other pertinent MEA-acceptance requirements.
4. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Department's Electrical Advisory Board before installation.
5. Units shall be used in compliance with the Energy Conservation Construction Code of New York State.
6. 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 3, 2007  
 Examined By Simon Derkhadam