

**CITY OF NEW YORK
DEPARTMENT OF BUILDINGS**

Pursuant to Administrative Code Section 27-131, the following equipment or materials has been found acceptable for use in accordance with the Report of Material and Equipment Acceptance (MEA) Division.

Patricia J. Lancaster, A.I.A., Commissioner
MEA 412-03-E

Report of Material and Equipment Acceptance Division

Manufacturer – McQuay, 4900 Technology Park, Auburn, New York 13021.

Trade Name – McQuay Enfinity.

Product – Water source heat pump units.

Pertinent Code Sections – 27-770, 27-777.

Prescribed Test – RS 13-6 (ANSI B9.1), RS 13-13 (UL 1995).

Laboratory – Underwriters Laboratories.

Test Report – UL File SA 10074 dated October 29, 2002 and November 17, 2003.

Description – Water source heat pump units, designed for indoor installation. R-22 (Sizes 007 thru 012) or R410A (sizes 019 thru 060) are the refrigerants used for the system. Unit comprises hermetically sealed compressor, water cooled condenser with piping connections, an electric expansion valve, evaporator and control. Heat pumps are provided with operated reversing valve. Units are provided with high pressure limiting device and pressure relief devices. Units, with model numbers and manufacturer's specified nominal heating-cooling capacities, are listed below:

Model Number	Mfr.'s Specified Nominal Cooling Capacity BTUH	Mfr.'s Specified Nominal Heating Capacity BTUH
WFC (V,W)007	7,000	9,000
WFC (V,W)009	9,000	11,200
WFC (V,W)012	12,000	15,200
WFC (V,W)019	19,000	25,000
WFC (V,W)024	24,000	29,200
WFC (V,W)030	30,000	37,400
WFC (V,W)036	36,000	44,700
WFC (V,W)042	42,000	52,500
WFC (V,W)048	48,000	58,700
WFC (V,W)060	60,000	75,000

Note: FCV – Floor mounted/standard range
FCW – Floor mounted/Geothermal

Recommendation - That the above described water source heat pump in conjunction with compatible heat rejection equipment such as a cooling tower, be accepted for indoor installation only, using refrigerants R-22 or R410a, under the following conditions:

1. Cooling tower or other compatible outdoor heat rejection equipment, if installed within 100 feet of any dwelling unit window, complies with all provisions of Section 27-770, as to maximum sound levels permitted for exterior mechanical equipment.
2. All shipments and deliveries of such equipment shall have a metal tag permanently affixed to the units and suitably placed, certifying that the equipment shipped or delivered are equivalent to those tested and acceptable for use, as provided for in Section 27-131 of the Building Code.
3. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Bureau of Electrical Control before installation.

Final Acceptance FEB 127/04

Examined by S Derphida