

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 40-03-E

Report of Material and Equipment Acceptance Division

Manufacturer - Trane, 1515 Mercer Road, Lexington, KY 40511.

Trade Name - Trane.

Product - Indoor heating and air conditioning air handler.

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

Prescribed Tests - RS 13-6 (ANSI B.9), RS 13-13 (UL 559, UL 1995).

Laboratory - Underwriters Laboratories, Inc.

Test Report(s) - File SA5348, dated July 19, 1996, revised February 22, 2002.

Description - These are indoor air handlers for ventilating or air conditioning consisting of a blower wheel, blower housing, motor and drives, optional chilled water coils or refrigerant evaporator, optional hot water or steam or reheat (condenser) coils, optional flat or angular or heavy duty filters, optional combination angular filter and mixing box, optional face and bypass dampers, optional dampers. Units, with their model numbers, heating and cooling capacities are listed below:

M-Series	Nominal CFM	Nominal <sup>(1)</sup> Heating Capacity (MBh)	Nominal <sup>(2)</sup> Cooling Capacity (MBh)
003	1660	97.2	66.0
006	2930	171.6	122.6
008	3770	220.8	159.3
010	4820	282.3	204.4
012	6150	360.2	260.9
014	7100	415.8	300.7
017	8400	491.9	355.8
021	10400	609.1	445.8
025	12200	714.5	522.5
030	14500	849.2	631.2
035	17050	998.5	737.2
040	19650	1150.8	822.7
050	24715	1447.4	997.3
057	28500	1669.0	1074.5
066	32815	1921.7	1275.3
080	39375	2305.9	1532.4
100	50200	3009.8	1926.4
120	60000	3513.8	2365.0

(1) Nominal heating capacity based on the following conditions  
23° F entering air temperature  
77° F leaving air temperature  
190° F entering water temperature  
25° F water temperature drop

(2) Nominal cooling capacity based on the following conditions  
80° F entering air temperature (dry bulb)  
67° F leaving air temperature (wet bulb)  
55° F leaving air temperature (dry bulb)  
115° F liquid temperature  
40° F saturated suction temperature

**Recommendation - That the above described air handling units be accepted for indoor installation under the following conditions:**

1. If utilized for residence heating, 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. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Bureau of Electrical Control before installation.

Final Acceptance 3/24/03

Examined by Shyam M. Desai