

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 155-03-E
Report of Materials and Equipment Acceptance Division

Manufacturer – Greenheck Fan Corporation, P.O. Box 410, 400 Rae Avenue, Schofield, WI 54470.

Trade Name – Greenheck.

Product – Air handling units.

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

Prescribed Tests – RS 13-6 (ANSI B9.1), RS 13-11 (UL 1995).

Laboratory – Intertek Testing Services Inc.

Test Reports – No. 3037754-001 dated April 30, 2003.

Description – The products covered by this report are packaged air handlers designed for commercial use. The products consist of the appropriate overall casing and a combination of active and passive components intended to condition air in the service area. The units may contain DX-chilled water, hot water, or steam coils, humidification, dehumidification, indirect gas heat and direct gas fired heat subject to several limitations. The product is intended for permanent connection to all utilities, and may be installed indoors or outdoors.

Heating Calculations					
Unit Size	Max MBh			Max MBh	
	1 Row Hot Water	2 Row Hot Water	4 Row Hot Water	1 Row Steam	2 Row Steam
MSCF-15	45	90	180	53	87
MSCF-20	57	114	228	74	122
MSCF-25	75	150	300	98	162
MSCF-30	100	200	400	129	213
MSCF-45	120	240	480	161	266
MSCF-50	155	310	620	184	304
MSCF-65	210	420	840	273	450
MSCF-85	240	480	960	320	528

Cooling Calculations						
Unit Size	Max Total MBh			Max Total MBh		
	4 Row Chilled Water	6 Row Chilled Water	8 Row Chilled Water	4 Row DX	6 Row DX	8 Row DX
MSCF-15	60	90	120	45	63	81
MSCF-20	77	116	154	60	84	108
MSCF-25	100	150	200	75	105	135
MSCF-30	120	180	240	90	126	162
MSCF-45	175	263	350	135	189	243
MSCF-50	200	300	400	156	218	281
MSCF-65	275	413	550	200	280	360
MSCF-85	350	525	700	254	356	457

Recommendation - That the above described air handling units be accepted for indoor and outdoor installation, when utilizing refrigerant R-22, under the following conditions:

1. If utilized for residence heating, the 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 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 1/28/04

Examined by Sayan M. Basu