



NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
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Report of Materials and Equipment Acceptance Division

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 219-07-E

Manufacturer: Petra Engineering Industries Co., Medina Munawara Street, Amman, Jordan 11814

Trade Name(s): Petra Engineering

Product: Air-handling cooling & heating units

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

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

Laboratory: Intertek ETL Semko

Test Report(s): No. 3015039-003, re-issued January 9, 2007.

Description: Air-handling units with cooling and heating coils, gas unit heaters, suitable for outdoor/indoor installation and suitable for hotels, hospitals, large halls, banks, supermarkets and other applications.

Product Covered

Model **PAHHC**, followed by 12, 16, 24, 32, 40, 50, 62, 80, 100, 120, 150, 180, 200, 250, 320, 400, 500, 640 and 800.

Model **CM**, followed by 15, 20, 24, 30, 38, 48, 60, 75 and 96.

Model Nomenclature (PAHHC)

Example Position – $\frac{\text{PAH}}{1}$ $\frac{\text{H/V}}{2}$ $\frac{\text{C/B}}{3}$ $\frac{100}{4}$ $\frac{\text{C}}{5}$ $\frac{6}{6}$ $\frac{\text{H}}{7}$ $\frac{2}{8}$ $\frac{\text{X}}{9}$ $\frac{2}{10}$

1. PAH – Petra Air-Handling unit
2. H/V – Horizontal / Vertical Construction
3. C/B – Cabinet / Base
4. 100 – Nominal CFM (100x100)
5. C – Cooling Coil
6. 6 – Number of Cooling Coil Rows (1, 2, 3, 4, 5, 6, 7 & 8)
7. H – Heating Coil
8. 2 – Number of Heating Coil Rows (1, 2, 3, 4, 5, 6, 7 & 8)
9. X – DX Coil
10. 2 – Number of DX Coil Rows (1, 2, 3, 4, 5, 6, 7 & 8)

Model Nomenclature (CM)

Example Position – $\frac{\text{CM}}{1}$ $\frac{60}{2}$ $\frac{\text{C}}{3}$ $\frac{4}{4}$ $\frac{\text{H}}{5}$ $\frac{2}{6}$ $\frac{\text{H/V}}{7}$

1. C/M – Comfort Maker
2. 60 – Nominal CFM (60x100)
3. C – Cooling Coil
4. 4 – Coil Rows
5. H – Heating Coil
6. 2 – Coil Rows
7. H/V – Horizontal / Vertical Construction

Terms and Conditions: The above-described units are accepted under the following conditions:

1. Units are for residential and commercial use.
2. Units may use Refrigerant R-410A, R-22, R-407C or R-134a.
3. If utilized for residence heating, the circulatory air system shall have (a) one register or grille without closeable 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.

4. All equipment shall be furnished with a permanently affixed metal tag 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, subdivision 4, 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.
7. 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 accepted for use, as provided in Section 27-131 of the New York City Building Code.

Final Acceptance 10/26/07
Examined By 