

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 87-03-E
Report of Materials and Equipment Acceptance Division

Manufacturer – Concepts and Designs, Inc., P.O. Box 288, Owatonna, MN 55066.

Trade Name – Concepts and Designs.

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. J97010858-006 dated July 15, 1999.

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 AHU 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.

AHU

Heating and Cooling Coil Capacities

Model Number	Unit Width	Unit Height	Chilled Water Cooling Coil Capacity (BTU/hr)	DX Cooling Coil Capacity (BTU/hr)	Hot Water Heating Coil Capacity (BTU/hr)	Steam Heating Coil Capacity (BTU/hr)
AHU-OA	48	30	259,520	259,520	283,500	253,170
AHU-0B	48	36	334,170	334,170	364,500	354,420
AHU-0C	48	40	371,250	371,250	405,000	354,420
AHU-0D	48	47	445,500	445,500	486,000	506,250
AHU-2C	72	40	618,750	618,750	675,000	590,670
AHU-1E	60	54	742,500	742,500	810,000	742,500
AHU-2D	72	47	742,500	742,500	810,000	843,750
AHU-3D	84	47	849,750	849,750	972,000	1,012,500
AHU-2E	72	54	928,170	928,170	1,012,500	928,170
AHU-3E	84	54	1,113,750	1,113,750	1,215,000	1,113,750
AHU-4E	99	56	1,345,770	1,345,770	1,468,170	1,345,770
AHU-4F	99	64	1,525,230	1,525,230	1,663,920	1,172,790
AHU-5F	123	64	1,945,980	1,945,980	2,122,920	2,185,290
AHU-4H	99	81.5	1,973,790	1,973,790	2,153,250	2,079,810
AHU-5G	123	72	2,060,460	2,060,460	2,247,750	2,497,500
AHU-4K	99	100.5	2,512,170	2,512,170	2,740,500	2,691,540
AHU-5H	123	81.5	2,518,290	2,518,290	2,747,250	2,809,710
AHU-6H	143	81.5	2,972,070	2,972,070	3,242,250	3,315,960
AHU-5K	123	100.5	3,205,170	3,205,170	3,496,500	3,434,040
AHU-6J	143	92	3,512,430	3,512,430	3,831,750	3,684,420
AHU-8H	174	83.5	3,675,420	3,675,420	4,009,500	4,100,670
AHU-6L	143	122	4,052,790	4,052,790	4,421,250	4,052,790
AHU-8J	174	94	4,343,670	4,343,670	4,738,500	4,556,250
AHU-9J	202	94	5,094,360	5,094,360	5,557,500	5,343,750
AHU-7N	150	122	4,838,670	4,838,670	5,278,500	5,433,750
AHU-8M	174	112	5,346,000	5,346,000	5,832,000	5,467,500
AHU-9L	202	106	5,878,170	5,878,170	6,412,500	5,878,170
AHU-8N	174	122	5,680,170	5,680,170	6,196,500	6,378,750
AHU-8P	174	130	6,014,250	6,014,250	6,561,000	6,834,420
AHU-8R	174	140	6,515,460	6,515,460	7,107,750	7,290,000
AHU-9S	202	151	8,229,420	8,229,420	8,977,500	9,084,420

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 7/21/03

Examined by Shyam V. Jaiswal