

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 175-03-E

Report of Materials and Equipment Acceptance Division

Manufacturer – Change'Air Products and Service Limited, R.R. #4, Aylmer Ontario
N5H 2R3.

Trade Name – Change'Air.

Product – Units ventilators.

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

Prescribed Tests – RS 13-6 (ANSI B9.1), RS 13-11 (UL1995).

Laboratory - CSA International.

Test Report – No. 1175020 dated February 8, 2002. No. 1281896 dated January 6, 2003.

Description – Vertical unit ventilators are single package air conditioners using water and direct expansion for cooling and hot water, steam, and electric for heating. Units are installed within the occupied space, against or through a wall and have a small damper for ventilation air. Water or steam can be piped to the unit for primary heat. Model numbers and their ratings are listed below:

Model Name	Heating Information		Cooling Information		Nominal Air Flow Capacity
	Type	Max. Capacity	Type	Max. Capacity	
Unit Ventilators with Packaged Air Conditioning (R22)					
CAE 1000 PA VP	Electric Elements	15 kW	Packaged A/C (R22)	42,000 Btu	1500 Cfm
CAE 1200 PA RC	Electric Elements	12 kW	Packaged A/C (R22)	36,000 Btu	1300 Cfm
CAE 1600 PA VP	Electric Elements	15 kW	Packaged A/C (R22)	60,000 Btu	1900 Cfm
CAH 1000 PA VP	Hot Water Coil	110 Mbtu/h	Packaged A/C (R22)	42,000 Btu	1500 Cfm
CAH 1200 PA RC	Hot Water Coil	92 Mbtu/h	Packaged A/C (R22)	36,000 Btu	1300 Cfm
CAH 1600 PA VP	Hot Water Coil	118 Mbtu/h	Packaged A/C (R22)	60,000 Btu	1900 Cfm
CAS 1000 PA VP	Steam Coil	144 Mbtu/h	Packaged A/C (R22)	42,000 Btu	1500 Cfm
CAS 1200 PA RC	Steam Coil	119 Mbtu/h	Packaged A/C (R22)	36,000 Btu	1300 Cfm
CAS 1600 PA VP	Steam Coil	156 Mbtu/h	Packaged A/C (R22)	60,000 Btu	1900 Cfm

Energy Recovery Ventilators with Optional Cooling

CAE 2000 NA VPS	Electric Elements	15 kW	None		1300 Cfm
CAE 2000 CW VPS	Electric Elements	15 kW	Chilled water Coil	48 Mbtu/h	1300 Cfm
CAE 2000 RA VPS	Electric Elements	15 kW	Split R22 System	42,000 Btu	1300 Cfm
CAH 2000 NA VPS	Hot Water Coil	92 Mbtu/h	None		1300 Cfm
CAH 2000 CW VPS	Hot Water Coil	92 Mbtu/h	Chilled water Coil	48 Mbtu/h	1300 Cfm
CAH 2000 RA VPS	Hot Water Coil	92 Mbtu/h	Split R22 System	42,000 Btu	1300 Cfm
CAS 2000 NA VPS	Steam Coil	119 Mbtu/h	None		1300 Cfm
CAS 2000 CW VPS	Steam Coil	119 Mbtu/h	Chilled water Coil	48 Mbtu/h	1300 Cfm
CAS 2000 RA VPS	Steam Coil	119 Mbtu/h	Split R22 System	42,000 Btu	1300 Cfm

Model Name	Heating Information		Cooling Information		Nominal Air Flow Capacity
	Type	Max. Capacity	Type	Max. Capacity	

Unit Ventilators with Optional Cooling

CAE 1000 NA VP	Electric Elements	15 kW	None		1500 Cfm
CAE 1000 CW VP	Electric Elements	15 kW	Chilled water Coil	60 Mbtu/h	1500 Cfm
CAE 1000 RA VP	Electric Elements	15 kW	Split R22 System	42,000 Btu	1500 Cfm
CAE 1600 NA VP	Electric Elements	15 kW	None		1900 Cfm
CAE 1600 CW VP	Electric Elements	15 kW	Chilled water Coil	60 Mbtu/h	1900 Cfm
CAE 1600 RA VP	Electric Elements	15 kW	Split R22 System	60,000 Btu	1900 Cfm
CAH 1000 NA VP	Hot Water Coil	110 Mbtu/h	None		1500 Cfm
CAH 1000 CW VP	Hot Water Coil	110 Mbtu/h	Chilled water Coil	60 Mbtu/h	1500 Cfm
CAH 1000 RA VP	Hot Water Coil	110 Mbtu/h	Split R22 System	42,000 Btu	1500 Cfm
CAH 1600 NA VP	Hot Water Coil	118 Mbtu/h	None		1900 Cfm
CAH 1600 CW VP	Hot Water Coil	118 Mbtu/h	Chilled water Coil	60 Mbtu/h	1900 Cfm
CAH 1600 RA VP	Hot Water Coil	118 Mbtu/h	Split R22 System	60,000 Btu	1900 Cfm
CAS 1000 NA VP	Steam Coil	144 Mbtu/h	None		1500 Cfm
CAS 1000 CW VP	Steam Coil	144 Mbtu/h	Chilled water Coil	60 Mbtu/h	1500 Cfm
CAS 1000 RA VP	Steam Coil	144 Mbtu/h	Split R22 System	42,000 Btu	1500 Cfm
CAS 1600 NA VP	Steam Coil	156 Mbtu/h	None		1900 Cfm
CAS 1600 CW VP	Steam Coil	156 Mbtu/h	Chilled water Coil	60 Mbtu/h	1900 Cfm
CAS 1600 RA VP	Steam Coil	156 Mbtu/h	Split R22 System	60,000 Btu	1900 Cfm

Recommendation - That the above described vertical unit ventilators, be accepted for indoor installation, under the following conditions:

1. All equipment shall be furnished with permanently affixed metal tags stating that if installed in New York City within 100 feet of any dwelling unit window, there shall be compliance with provisions Section 27-770, as to maximum sound levels permitted for exterior mechanical equipment.
2. All shipments and deliveries of such equipment shall be accompanied by a certificate or label 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 6/25/03

Examined by Shyam. Masani