

**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, F.A.I.A., Commissioner  
MEA 10-04-E**

**Report of Materials and Equipment Acceptance Division**

**Manufacturer – Dectron Inc., 4300 Poirier Blvd., Montreal, Quebec, Canada H4R 2C5.**

**Trade Name – Refplus Inc., Thermoplus Air Inc., Circul-Aire Inc.**

**Product – Air Handlers.**

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

**Prescribed Tests – RS 13-6 (ANSI B9.1), RS 13-11 (CSA C22.2 No. 236; UL 1995).**

**Laboratory – Intertek Testing Services, Inc.**

**Test Report – ITS File 3051034, dated December 1, 2003.**

**Description – These air handing units are permanently connected to the supply.**

They have a modular design based on an aluminum structural framing. The module sections are filtration, heating (water, steam, refrigerant), cooling (water, direct expansion), energy recovery, mixing, economizer, multi-zone control and dehumidification. The CS Series has a range from 1200 to 50000 cfm, consisting of standard modules that are arranged into many complex custom systems. Units of CSR series are designed for outdoor use. Units, with model number and nominal coil face area and air volume are listed below:

Model No. CSH, CSV, or CSR	Mfr.'s Specified Nominal Coil Face Area and Air Volume		
	Coil Face, ft <sup>2</sup>	Air Volume, cfm	
		Min	Max
03	3.13	1200	1800
04	4.17	1600	2400
06	6.00	2400	3600
08	8.00	3200	4800
10	10.00	4000	6000
12	12.00	5000	7500
15	15.00	6000	9000
20	20.00	8167	12250
25	25.08	10133	15200
32	32.08	12900	19350
40	40.00	16200	24300
50	50.25	20000	30000
60	60.00	24000	36000
70	72.00	28000	42000
84	84.00	33600	50400

**Note: Model numbers are followed by a digit denoting the Voltage/phase/frequency (1= 120/1/60, 2= 240/1/60, 5=208-240/3/60, 8 = 600/3/60, 9 = 480/3/60) followed by two letters denoting the Door & Connection Side (RH = Right Hand, LH = Left Hand), followed by two letters denoting a Module Code (can be more than one, adding the 3<sup>rd</sup> letter J indicates that module are joined in one bigger module) (BL = Blower Forward Curved Low Pressure, BM = Blower Forward Curved Med Pressure, BA = Blower Air Foil, FF = Filter (Flat filter), FM = Filter (Angle Filter Medium Area), FL = Filter (Angle Filter Large Area), CC = Cooling Coil, CH = Heating Coil, HR = Heat Recovery, MX = Mixing, MF = Mixing Box/Flat Filter, MM = Mixing Box/Medium Filter, EZ = Economizer, DA = Full Face Damper, PL = Plenum (without door), PD = Plenum (with door), IH = Intake Hood, HU = Humidifier).**

**Recommendation - That the above air handlers, be accepted, under the following conditions:**

- 1. 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, 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 6125704

Examined by Shyam Prasad