

Carrier-York Corporation

A Division of

CARRIER CORPORATION

1541 Sansom Street

Philadelphia

Branch Offices and Representatives in all Principal Cities

CARRIER ATMOSPHERIC CABINETS for Stores, Offices, Etc.

The Carrier Atmospheric Cabinet

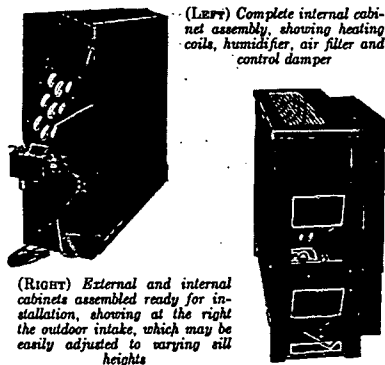
This is a complete, self-contained air conditioning unit, combining an attractive piece of furniture with year-round utility. In winter it provides evenly heated, adequately humidified, gently circulated filtered air; in summer, when used in conjunction with a refrigeration machine or when connected with a building's regular source of refrigeration, it distributes cool, clean, properly dehumidified air throughout the room in which it is installed. Heating only, cooling only, or both heating and cooling may be combined, depending on the type cabinet selected.

Range of Applications—The Carrier Atmospheric Cabinet has an extremely wide range of applications, and proves a profitable investment from the standpoint of health, comfort, productiveness, patronage and profits. Ideal for business, doctors' and dentists' offices, small retail stores, barber shops, cafeterias, tea rooms, bakeries, candy shops, etc.



Carrier Atmospheric Cabinet installed in a business office

Installation—A radiator is simply replaced with one of these compact units, using the same supply and return lines



(Right) External and internal cabinets assembled ready for installation, showing at the right the outdoor intake, which may be easily adjusted to varying sill heights

(Left) Complete internal cabinet assembly, showing heating coils, humidifier, air filter and control damper

already available for the steam or hot water heating system, and adding small supply and drain lines for humidification. To provide for cooling, the only additional piping required is the installation of supply and return lines to and from the source of refrigeration.

External Cabinet Cover—An Art Metal removable enclosure, walnut grain finish, baked enamel undercoat, with heavy steel grille top. This cabinet conceals all fittings and connections and is provided with access doors.

Finish—Grained walnut is standard, but other finishes, to harmonize with interior decorations and appointments, may be had on special order.

Internal Cabinet—Constructed of galvanized steel completely painted. Contains the heating and cooling coils, fans and motor, air filter and humidifying equipment. A connection for outdoor air is provided. All pipe connections are made externally at each end of the inner cabinet, and are totally enclosed by the external cabinet.

Fans and Motor—Each Cabinet is provided with two fans, of silent multi-blade type. A small motor operates the two fans, and may be connected to the lighting circuit.

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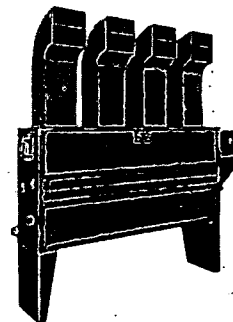
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SUPER-CONTROL HEAT-DIFFUSING UNITS FOR INDUSTRIAL HEATING



No. 334 Super-Control Heat-Diffusing Unit

Super-Control Heat-Diffusing Units

These units are convertible. Thus, should it become necessary or advisable through re-arrangement of plant layout to change the units from floor mounted to suspended, or vice versa, the same units may be re-used, since by removing the legs a floor mounted unit becomes a vertical suspended unit. To make the vertical suspended unit a into horizontal suspended

or an inverted type, all that is necessary is to revolve the bearing plates and reverse the coil.

Temperature Regulation—Super-Control regulation gives a constant balance between heat requirements of the room or building and the heat output from the units, which insures minimum overheating of the upper areas and maximum fuel economy. In addition, the constant air circulation produces an extremely even temperature distribution over the entire area served. Temperature regulation may be either pneumatic, electric or manual.

Construction—The fans are of the non-overloading, housed type. Each fan wheel is balanced statically and each fan and shaft assembly then balanced dynamically, insuring smooth operation. Patented feature permits complete fan assembly being inserted in unit without disturbing this rotating balance.

Kroy Unit Heaters—Disc Fan Type

Kroy suspended Unit Heaters are available in a wide range of capacities, and may be had with floor recirculating boxes where desired.

CONDENSED* CAPACITY TABLES

300, 400 and 600 Series SUPER-CONTROL HEAT-DIFFUSING UNITS

Size Unit	R. P. M.	C. F. M. in the Fans	H. P. Motor	Recirculating Air at 60° F. Entering Unit, and Steam at 2 Lb. Gauge Pressure on the Heating Surface†				No. of Air Outlets
				B.t.u. per Hour	Final Temp.	Lbs. Cond. per Hour	Equiv. Direct Rad.	
322	1750	3,350	3/4	215,500	125.4	223	898	2
422	1160	2,220	1/2	156,000	132.4	162	650	
622								
333	1750	5,050	1 1/2	335,000	127.7	347	1395	3
433	1160	3,340	1/2	241,000	134.5	250	1003	
633								
334	1750	6,700	1 1/2	455,000	129.5	471	1895	4
434	1160	4,400	1/2	328,000	136.6	340	1368	
634								
344	1750	8,400	2	574,500	130.0	595	2390	4
444	1160	5,560	3/4	414,000	137.1	428	1725	
644								
353	1160	13,000	3	765,000	119.2	792	3185	3
453	870	9,750	1 1/2	612,000	123.6	634	2550	
653								

NOTE—It is understood that the specified steam pressure is to be maintained on the heating surface. A suitable pipe line drop must be added in determining the pressure to be carried at the boiler. When air is to enter the unit at a temperature below freezing, the steam pressure on the heating surface should be maintained at not less than 5 lb. gauge.

*Catalog gives capacities at other 60 cycle current speeds as well as 25 cycle current speeds; a total of 660 ratings.

†See Chapter 35 of this issue of THE GUIDE for B.t.u. constants for other steam pressures and entering air temperatures.