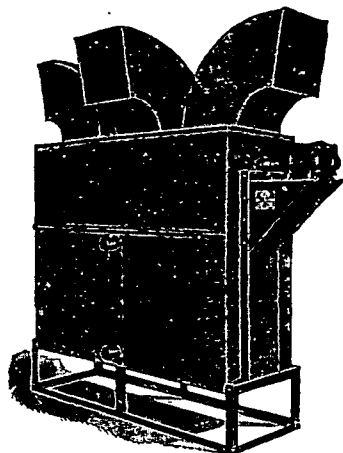


York Heating and Ventilating Corp.

1502 Locust Street :: PHILADELPHIA

Unit Heaters—Unit Fans—Rotary Ventilators—Stationary Ventilators—Cyclone Dust Collectors—Damper Quadrants—Blast Gates—Drying Trays—Radiators—Brackets—Sheet Metal Work and Light Structural Iron Fabrication.

YORK "WELDED COIL" UNIT HEATER



OPERATION

Air enters the unit at the base from all four sides, passes upward around the welded pipe coils, through the fan and is then distributed by the outlets in any direction desired. Unit may be automatically controlled by a thermostatic switch.

OPERATING ECONOMIES

It is not necessary to run YORK UNIT HEATERS continuously to obtain an appreciable amount of heat, as is the case with horizontal unit heaters or a blower system. In the morning the units can be run for a short time to bring the room up to the proper temperature and to start the air in circulation. The power can then be shut off and the circulation thus started will continue (although at a slower rate).

SPECIAL FEATURES

The coils are welded entirely, therefore there are no joints to leak.

The coils are guaranteed for operation up to 200 lbs. steam pressure and are tested to 1000 lbs. hydrostatic pressure.

All eight sizes of YORK UNITS are designed for standard motors operating at standard speeds.

Direct connection to motors by flexible couplings is supplied at less cost than belt or chain drive.

Full housed centrifugal fans of the double inlet type give the high outlet velocity so essential to positive distribution.

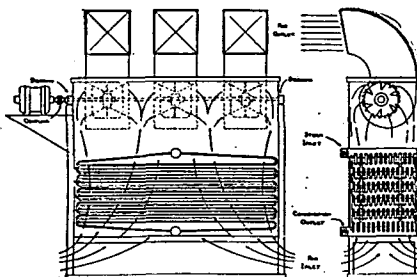
Self-aligning, dust-proof ball bearings are standard for fan shaft mounting.

Units are narrow in width, permitting unobtrusive placing in the shop.

Operates equally well on vacuum, low or high pressure steam.

Unit will heat and ventilate simultaneously, if desired. Base of the unit is open on all four sides, hence air is drawn from the floor, where it is naturally coldest. This simplifies connection to outside air when same is desired, for it can easily be made by a rectangular duct from any one side.

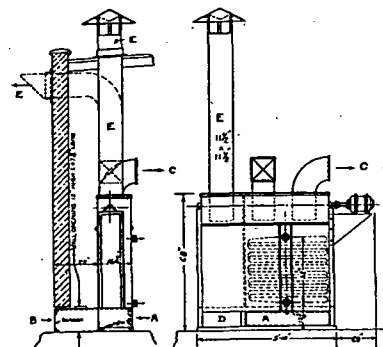
Rigid discipline in manufacturing assures unfailing and economical operation from units so carefully designed.



Capacities and Dimensions

Size Unit	R.P.M.	A.P.M.	H.P. Motor	Recirculating Air at 60° F. Entering Unit			S.F. Heating Surface	Equiv. Direct Radiation	Weight with Motor	A	B	C	D	X	H	No. of Outlets
				B.t.u.*	Final Temp.	Lbs. Cond. per Hr.										
25	1750	2780	3/4	208,000	137.5°	217	140	830	1100	47	17	16	86	11 3/8	14	2
	1160	1800	3/4	147,000	146.0°	153										
35	1750	5480	1 1/2	411,000	137.8°	428	280	1650	1900	88	17	20	86	11 3/8	14	4
	1160	3620	1 1/2	296,500	146.3°	309										
45	1450	9650	5	676,000	132.0°	707	360	2300	2450	88	30	24	113	18 3/8	20	2
	870	5850	5	462,000	142.5°	481										
50	1450	10950	7 1/2	741,000	129.2°	772	360	2520	2500	88	30	24	113	18 3/8	20	3
	870	6550	7 1/2	504,000	140.2°	525										
55	1450	12800	7 1/2	950,000	136.8°	990	520	3200	3300	88	30	24	113	18 3/8	20	3
	870	7700	2	635,000	147.0°	661										
60	1450	14360	10	1,037,000	134.5°	1080	520	3500	3400	88	30	26	113	19 1/2	20	3
	870	8600	2	694,000	144.5°	723										

*NOTE—To get BASIC Rating (i.e., 0 entering and 5 lb. pressure), multiply B.t.u. given by 1.35. See 1924 GUIDE, page 339, for B.t.u. Constants.



YORK GARAGE UNIT

A—Damper that permits recirculating air in building.

B—Fresh air opening, which is closed when damper A is opened. Outside opening protected by wire screen.

C—Warm air outlets. Since they have a square base they may be pointed in other directions than those shown.

D—Opening at floor line for entrance of exhaust gases.

E—Duct for discharging exhaust gases to outdoors.

The above is standard arrangement for motor, exhaust air outlet and steam headers but their relative position can be reversed if conditions require.

RATINGS No. 30-G UNIT For Steam Pressure of 5 Pounds

R. P. M.	Cu. Ft. per Min. Warm Air	H. P. Motor	Recirculating Air at 60 Deg. Fahr. Entering Unit			Basic Data Air at 0 Deg. Fahr. Entering Unit			Cu. Ft. Air per Min. Exhausted
			B.t.u. per Hr.	Final Temp.	Cond. per Hr.	B.t.u. per Hr.	Final Temp.	Cond. per Hr.	
1750	2780	1 1/2	208,000	137.5°	217	281,000	104.8°	294	1700
1450	2290	1	178,200	141.3°	186	241,000	109.9°	252	1410
1160	1800	1/2	147,000	146.0°	153	198,600	116.1°	207	1130
870	1340	1/4	116,100	152.0°	121	157,000	124.2°	164	850

May be used on high or low pressure steam, vapor, vacuum or hot water system.

Ratings, Specifications and Dimensions

Size Unit	R. P. M.	A. P. M.	H. P. Motor	Recirculating Air at 60° F. Entering Unit and 5° Steam Press.			Sq. Ft. Heating Surface		Outlet Openings		Weight Complete With Motor, Lbs.	Dimensions						Size Supply	
				B.t.u.	Final Temp.	Cond. per Hr.	Actual	Equiv. Direct Radiation	No.	N x N Outside of Angles		A	B	C	D	E	F		
102	1750	3000	3/4	157,000	112.0°	164	109	630	2	11 1/4 x 11 1/4	370	33	43	16	15	3 3/4	3 3/4	2"	2"
	1160	2000	1/4	116,500	118.5°	121													
103	1750	4100	1 1/4	231,500	116.5°	241	164	930	3	11 1/4 x 11 1/4	460	45	43	20	15	3 3/4	3 3/4	3"	2"
	1160	2710	1/2	172,000	124.3°	179													
104	1750	6200	1 1/2	381,000	122.0°	397	246	1520	4	11 1/4 x 11 1/4	550	63	43	20	15	3 3/4	3 3/4	3"	2"
	1160	4100	1/2	270,000	127.2°	281													
162	1160	7800	3	433,000	115.4°	452	273	1740	2	18 1/4 x 18 1/4	750	69	61	25	22 1/2	3 3/4	3 3/4	3"	2"
	870	5880	1	358,000	121.3°	373													