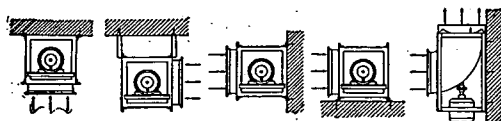


Proper Selection of Exhausters

Bolted
directly to
CeilingHung
from
CeilingBolted
directly to
Side WallBolted to
Floor or
FoundationVertical
Bolted to
Side Wall

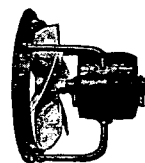
Where particularly quiet operation is desired, as in offices, residences, hospital wards, etc., use lowest speeds in all sizes in the table below. For toilet rooms, laboratories, motion picture booths, stock-rooms, etc., use any speed in sizes 1 and 2; low and medium speeds in all other sizes. In industrial plants, engine-rooms, workshops, etc., use any speeds.

Capacities of Wing-Scruplex Exhausters up to 0.5" static.
Complete data on request.

Size	Inlet Sq. In.	Outlet Round In.	Speed R.p.m.	Free Air		.15 in.		.25 in.		.40 in.		.50 in.	
				C.f.m.	Hp.	C.f.m.	Hp.	C.f.m.	Hp.	C.f.m.	Hp.	C.f.m.	Hp.
1-A	10	10 1/2	1750	850	0.052	630	0.054	330	0.060				
2-A	13 1/2	14 1/8	1150	1440	0.060	950	0.069	395	0.090				
2-B	13 1/2	14 1/8	1750	2050	0.195	1895	0.208	1695	0.216	1155	0.248	750	0.285
3-S	16 1/2	17 1/8	850	2130	0.090	1250	0.110	845	0.125				
3-A	16 1/2	17 1/8	1150	2700	0.180	2150	0.195	1550	0.221	650	0.292		
3-C	16 1/2	17 1/8	1750	4000	0.600	3720	0.635	3510	0.655	3150	0.700	2810	0.720
4-S	21	21 3/4	850	2850	0.100	2200	0.11	1610	0.12				
4-A	21	21 3/4	1150	3575	0.170	3150	0.200	2775	0.220	1950	0.245	1550	0.280
4-C	21	21 3/4	1750	5400	0.540	5160	0.600	4990	0.650	4670	0.710	4440	0.750
5-A	25	25	1150	5200	0.330	4720	0.380	4250	0.440	3300	0.530	2610	0.600
5-B	25	25	1750	8000	1.330	7740	1.360	7540	1.400	7175	1.480	6900	1.540
6-A	30	30	600	5500	0.210	3725	0.250	3375	0.330	1400	0.49		
6-B	30	30	850	7400	0.550	6280	0.600	5450	0.740	4000	0.850	3400	0.960
6-C	30	30	1150	10250	1.500	9520	1.550	8950	1.570	8000	1.620	7340	1.760

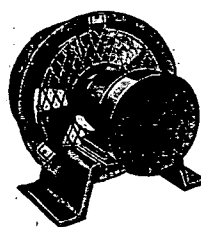
Wing-Scruplex Fans

Wing-Scruplex Fans are built in the following sizes: 10 in., 13 in., 17 in., 22 in., 25 in., 30 in., 36 in., 42 in., 54 in., and 60 in. Capacities from 950 c.f.m. to 33,000 c.f.m. Up to 25 in. diameter, propellers are made of cast aluminum alloy while the larger sizes are of pressed steel.



Wing-Scruplex Fan

Wing Buckwheat Burning Blowers



Wing Motor Blower

Wing Motor-driven Blowers are installed in heating boilers so that low cost Buckwheat coal can be burned with great savings in fuel bills and with better heating results. They are also used in industrial plants where motor drive is preferred to turbine drive.

The Wing E M Blower is a simple compact unit of motor, fan, and casing, of the same general design as the Wing Turbine Blower, the first individual forced draft fan blower ever built. Wing units are either set directly in the boiler brick base or are equipped with mounting feet or base and connected to the ashpit by a short duct in the case of cast iron boilers.

Motors are fully enclosed and dustproof. Because of this feature they stand up for years in the dusty atmosphere of boiler rooms without repair. Another feature is variable speed control; this permits of regulation without the use of dampers and saves power.

Booklet 46 describes Wing motor-driven units. Information also available on Wing turbine-driven units.



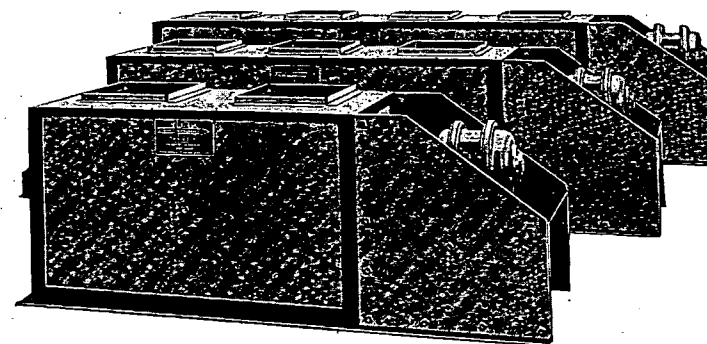
The Wing Blower in foreground supplies forced draft to hot water supply heater; while blower in background serves two return tubular heating boilers

York Heating and Ventilating Corp.

York Bldg., 16th and Sansom Streets, Philadelphia

Branch Offices and Representatives in All Principal Cities

York Heat-Diffusing Units for Heating Factories, Shops, Garages, Etc.



YORK UNIT FANS FOR SUPPLY OR EXHAUST VENTILATION

Advantages:

Easier to install. Fans and motor are a unit, needing no separate support.

No platform required—may be suspended by rods.

Both fan and motor are equipped with ball bearings, requiring lubrication only twice a year.

Takes rectangular duct.

Can be installed in a straight run of duct work without an offset. Due to the

multiple fan assembly, the width and depth of the unit are less than for any other fan of the same capacity.

Vertical or Horizontal:

The 400 series units are designed for vertical installation. The 600 series units are designed for horizontal installation. The 600 series have the same ratings as the 400 series. Example: the 601-F has the same rating as the 401-F.

RATINGS

Size Unit	Free Delivery		1/4" S.P.		1/2" S.P.		3/4" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.	
	C.F.M.	H.P.	C.F.M.	H.P.	C.F.M.	H.P.	C.F.M.	H.P.	C.F.M.	H.P.	C.F.M.	H.P.	C.F.M.	H.P.
401F	2030	0.54	1825	0.52	1615	0.50	1400	0.48	1165	0.45	910	0.43	640	0.40
402F	4060	0.94	3650	0.87	3230	0.87	2800	0.83	2330	0.79	1820	0.75	1280	0.70
403F	6150	1.40	5505	1.34	4860	1.29	4215	1.23	3510	1.18	2730	1.12	1920	1.04
404F	8200	1.85	7340	1.78	6480	1.70	5620	1.63	4680	1.56	3640	1.48	2560	1.37

1160 R. P. M.—C. F. M. and H. P. at 70°F.

Size Unit	Free Delivery		1/8" S.P.		1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.	
	C.F.M.	H.P.	C.F.M.	H.P.	C.F.M.	H.P.	C.F.M.	H.P.	C.F.M.	H.P.	C.F.M.	H.P.	C.F.M.	H.P.	C.F.M.	H.P.	C.F.M.	H.P.	C.F.M.	H.P.
401F	1360	0.20	1215	0.20	1065	0.19	905	0.18	715	0.18	495	0.17								
402F	2720	0.35	2430	0.34	2130	0.32	1810	0.31	1430	0.30	990	0.28								
403F	4110	0.475	3675	0.46	3210	0.45	2730	0.43	2145	0.41	1485	0.39								
404F	5480	0.595	4900	0.58	4280	0.56	3640	0.53	2860	0.50	1980	0.48								
482F	11200	2.37	10700	2.32	10160	2.26	9600	2.20	9050	2.15	8450	2.10	7750	2.05	6600	1.95	5200	1.86	3650	1.77
483F	15230	3.20	14550	3.15	13830	3.07	13100	3.01	12330	2.94	11570	2.88	10750	2.82	9040	2.70	7220	2.62	5250	2.50

870 R. P. M.—C. F. M. and H. P. at 70°F.

Size Unit	Free Delivery		1/8" S.P.		1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		1" S.P.	
	C.F.M.	H.P.	C.F.M.	H.P.	C.F.M.	H.P.	C.F.M.	H.P.	C.F.M.	H.P.	C.F.M.	H.P.	C.F.M.	H.P.	C.F.M.	H.P.
482F	8400	1.10	7780	1.07	7100	1.05	6400	1.02	5680	1.00	4080	0.95	2180	0.88		
483F	11400	1.43	10570	1.35	9650	1.32	8730	1.28	7750	1.25	5650	1.23	3100	1.16		

S. P. is Static Pressure available for use external to UNIT itself.