

L. J. Wing Mfg. Co.

Branch Offices in
Principal Cities

663 Hudson St., NEW YORK
PHONE: CHELSEA 0027-0030

Factory:
NEWARK, N. J.

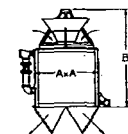
Manufacturers of Wing Featherweight Unit Heaters, Wing Turbine and Motor Driven Blowers, Wing-Scruplex Fans and Exhausters

Wing Featherweight Unit Heaters—The outstanding features of Wing Featherweight Unit Heaters are their extreme light weight (about 1/10 that of the old style) and small dimensions, combined with the fact that the driving motors are direct connected (no belts) and are out of the path of the heated air.

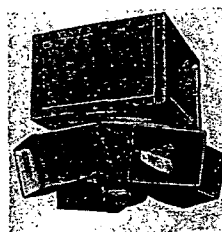
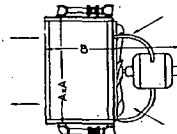
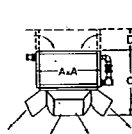
These features open a much broader field of application for this system of heating—in effect the hot-blast system—which is generally accepted by engineers and architects as the best system for industrial plants and other buildings of large open areas such as garages, armories, etc.

The features emphasized above make possible the suspending of the units from the ceiling or roof of any building old or new, without necessitating additional strengthening of the structure. It is not necessary to place the units on the ground where they will occupy space valuable for other purposes, and in addition to this, all steam and return lines may be carried overhead, out of the way, eliminating the necessity of pipe trenches.

Wing Featherweight Unit Heaters are made in four different designs: Vertical High ceiling—Vertical Low ceiling—Horizontal and Floor type, the latter for use where the roof is very high and there are no convenient columns from which to support the units overhead. Two of these designs are shown also the method of installation.



Horizontal Type



Low Ceiling Type

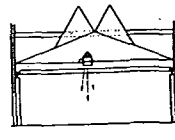
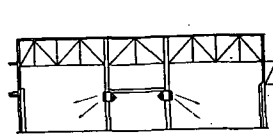
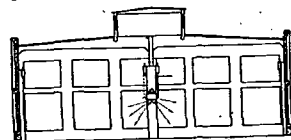


Saves Valuable Floor Space

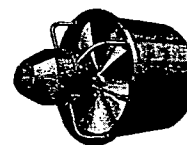
DATA FOR WING FEATHERWEIGHT UNIT HEATERS

Size Unit	A x A	B	C	D	Air C. F. M.	Motor H. P.	Temperature		B.t.u. per hr. Available	Approx. Ship. Wt.
							Room	Leav.		
17-3-12	20x20	34	36	8	1950	1/4	65	113	92,500	265
22-4-12	25x25	34	36	8	2800	1/4	65	125	162,600	350
22-5-12	25x25	34	36	8	2600	1/4	65	135	173,200	360
25-4-12	30x30	39	38	8	4800	1/2	65	125	279,000	400
25-5-12	30x30	39	38	8	4500	1/2	65	135	300,000	415
30-4-85	35x35	47	40	8	6900	1	65	125	401,000	450
30-5-85	35x35	47	40	8	6500	1	65	135	433,000	470
36-4-60	41x41	53	42	8	9600	1 1/4	65	125	558,000	630
36-5-60	41x41	53	42	8	9000	1 1/4	65	135	599,400	660

The above table will afford the Engineer an opportunity to choose the proper size and number of units for any given job where he desires to maintain a temperature of 65 deg. Space does not permit complete table for other room temperatures, but this data will be gladly furnished on application.



WING FORCED DRAFT BLOWERS



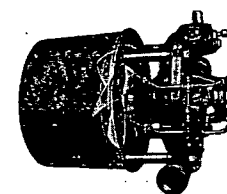
Type E-M Motor Driven

The Wing motor-driven units come in various sizes to fit all kinds and types of boilers. Installation is usually made in side ashpit walls to eliminate ducts and save space. For control purposes hand regulating rheostats are employed on single phase and direct current motors. For polyphase current dampers are used. Automatic control can be supplied if desired. Wing E-M Units in service have proven highly efficient in overcoming deficiencies in draft due to low stacks, poor weather conditions, etc., and they are admirably suited for the burning of the finer grades of coal such as Rice, Barley, Screenings, Cullm and the like.

Write for Bulletin 16 for further details.

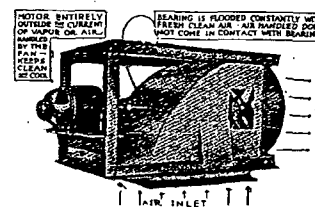
In high pressure plants the Wing Turbine blower has become standard equipment for serving the forced draft to stokered or hand-fired furnaces. The units are compact and easily installed and have air deliveries up to 20,000 cu. ft. per min. with static pressure up to 8 in. The exhaust steam from the turbine is clean and can be used for feed water heating, process work, etc., where the back pressures run as high as 8-10 lb. Hand or automatic control can be effected.

For further details write for Bulletin 57.



Type R E V Turbine Driven

WING-SCRUPLEX EXHAUSTERS



Wing-Scruplex Exhauster

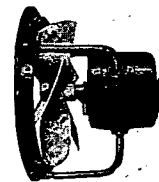
The Wing-Scruplex Exhauster consists of a highly efficient screw-propeller fan, combined with a casing of convenient design with the motor on the outside where it will keep clean and cool, and be easy of access. Because of these features it is used for duct work where the resistance is low instead of propeller fans with motors directly attached, where heretofore to obtain these features it has been necessary to use encased fans of the multivane type.

Being designed in the form of an elbow, it fits very well into any run of duct. Its rectangular frame greatly simplifies installation.



Exhauster Makes Hotel Kitchen Comfortable Place to Work

WING-SCRUPLEX FANS



Wing-Scruplex Fan

Sizes including 25" in diameter are furnished with propellers of cast aluminum alloy. Larger than this are steel, pressed to the same form. Note particularly the true screw design of the propeller. Built in sizes 10", 13", 17", 22", 25", 30", 36", 42", 48", 54", and 60". Capacities from 950 C. F. M. to 33,000 C. F. M.