

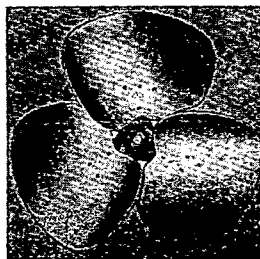
Alan E. Burden Co., Inc.

Manufacturer of Propeller Type Fan Blades
1940-50 Pontius Ave., Los Angeles 25, Calif.

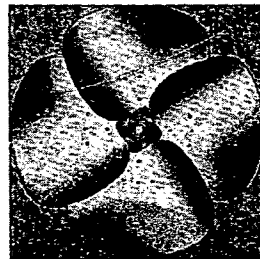
For Air Conditioning Refrigerating and Heating Applications

All Burden Fan blades are individually inspected after leaving the production line for bore size with "go and no-go" gauges, to a tolerance of plus or minus one $\frac{1}{1000}$ th of an inch. Each fan blade is individually gauged on a special machine for contour and alignment, then statically and dynamically balanced with Mechanical, Audio Vibration equipment.

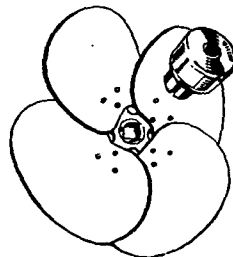
A modern, completely equipped laboratory makes possible exhaustive performance tests. Expert engineering counsel is available for requirements involving unusual applications. A laboratory at the factory is equipped for both routine and special testing when necessary.



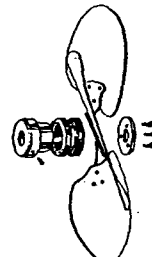
BURDEN 3 BLADE FANS. Furnished clockwise and counter-clockwise. Diameter range, 10 in. to 24 in. with variations of pitch of from 6 deg to 42 deg in increments of 1 deg. Hubs front or back. Standard spiders cadmium plated. Blades aluminum, commercial bright.



BURDEN 4 BLADE FANS: Furnished clockwise and counter-clockwise. Diameter range, 10 in. to 24 in. with variations of pitch of from 6 deg to 42 deg in increments of 1 deg. Hubs front or back. Spiders cadmium plated. Blades aluminum, commercial bright.



BURDCO REVERSIBLE, INTER-CHANGEABLE HUBS: Designed for special Burden blades produced with uniform size openings. Hubs produced in six bore sizes can be quickly adapted to front or back and keyed firmly into place with a positive locking device. They are adaptable to 3 or 4-blade fans, clockwise or counter-clockwise in all variations of pitches.



BURFLEX HUBS: Are similar to the Burdco reversible, interchangeable type with the added feature of a specially designed noise insulating grommet, constructed to fit over the hub in applications where lessened vibration and dampening of sound are desired. Insulated hub absorbs motor noise. Information sent on request.

Century Fan & Ventilator Co., Inc.

45 Cedar Street, Stamford, Conn.

Installed in boiler breeching, maintains draft of preselected intensity for automatically fired fuels. Eliminates high stacks.

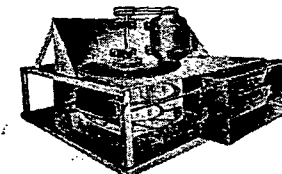
Operation is completely automatic and quiet. Draft selection is manually adjustable to suit requirements. Regardless of burning rate or outside atmospheric conditions, selected draft will be held to within plus or minus .01 in. W.C.

Factory assembly reduces installation and wiring costs.

Accurate control of over-fire draft by modulation of fan outlet damper provides maximum burning efficiency, eliminates standby-losses and increases the life of boiler. Damper is closed while burner is off.

Exclusive **ADJUSTABLE START** and **LO-DRAFT CUT-OFF**, insures safe starting position of damper, smooth light-off at low fire setting, and safety shut down in event of draft failure for any reason. After safe light-off the damper automatically modulates with flame. **BUILT-IN** manual selector switch permits full-open damper for soot-blowing.

Controls are approved by "Underwriters Laboratory."



Inducer No.	Hp	Max Rpm	Tip Speed	CFM-70 Degrees Standard Air				Gal Per Hr @ 1/4" Sp.
				1/2" Sp.	3/4" Sp.	1" Sp.	1 1/4" Sp.	
112 ASC	1/4	1380	4340	1100	1000	700		12.7
115 BSC	1/4	1260	4950	2100	1900	1600	1400	23.3
118 BSC	3/4	1300	6100	3000	2800	2500	2300	35
121 ASC	1	1200	6600	4000	3700	3500	3300	46
124 ASC	1 1/4	1050	6600	5500	5300	5100	4800	66.2
127 ASC	2	945	6600	7200	7200	6900	6300	90
130 ASC	3	840	6600	9600	9300	8850	8450	112
133 ASC	3	740	6400	11500	11300	10700	10350	136
136 ASC	5	720	6750	15000	14500	14000	13600	174

Approximate Burning Rate 60 Cfm Per Gal Of Oil Per Hr.

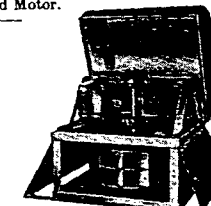
May also be supplied without Automatic Controls. And with 2 or 4 Speed Motor.

Dynamically and statically balanced, compact and systematically designed.

Very quiet and efficient. Ideal for school and hospital buildings.

Copper, galvanized and aluminum housing.

**CENTURY
CYCLONE
ROOF FAN**



Rated in accordance with test code as adopted by **NAFM** and **ASHVE**.

Capacity Table

Fan Size	Fan Rpm	Motor Hp	Fan Tip Speed	Cfm F.A.	Cfm 1/8"	Cfm 1/4"	Cfm 3/8"	Cfm 1/2"	Cfm 5/8"
16	1140	1/8	4460	1565	1460	1310	1120	1020	755
	960	1/8	3760	1320	1205	1050	855	730	
19	1070	1/4	5040	2610	2500	2340	2220	2030	1770
	900	1/4	4230	2380	2200	2100	1895	1620	1310
22	850	1/2	4675	3680	3520	3355	3190	2945	2580
	750	1/2	4120	3385	3280	3120	2790	2510	1880
25	790	1	4960	4680	4460	4220	3910	3705	3290
	600	1	3760	4055	3660	3260	2740	2270	1630
28	620	3/4	4390	5670	5335	5015	4705	4145	3520
	540	3/4	3820	5000	4615	4160	3785	2965	2050
31	510	1	3595	4745	4325	3800	3315	2430	
	580	1	4840	7180	6800	6620	5930	5510	4920
34	390	1 1/2	3065	5000	4415	3820	3030		
	500	1 1/2	4350	8600	8360	8160	7990	7500	6680
37	440	1	3815	7640	7335	7065	6800	6185	5060
	500	1 1/2	4710	10920	10640	10320	9550	8830	8080
43	410	1	3995	9130	8770	8400	7680	6970	5920
	400	2	4390	13920	13460	13000	12470	11630	9720
50	345	1 1/2	3785	12240	11600	11020	10250	8960	7080
	350	3	4390	17900	17120	15890	14900	13530	12070
56	300	2	3770	15440	14470	13100	11830	10300	8500
	300	3	4240	23060	22280	21550	20150	18800	16950
62	265	2	3745	20660	19830	19060	17730	16140	14100
	280	3	4400	27030	25800	24700	23100	21800	19000
	240	2	3750	23900	22560	21490	20050	18200	14900