

American Coolair Corporation

Jacksonville, Florida

Cooling and Ventilating Fan Systems

For Homes, Offices, Stores, Factories, Etc.

A Pioneer Manufacturer of Attic Fans for Home Cooling

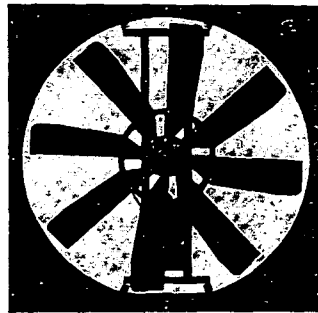
Charter Member—Propeller Fan Manufacturers Association

COOLING BY AIR MOVEMENT

Engineers and architects know well that people working or living within a building can be kept cool, healthfully and economically, by sufficient movement of fresh air. It is not so well known, perhaps, that such cooling requires four to eight times the volume of moving air needed for simple ventilation. Satisfactory cooling requires a complete air change in working or living quarters at least once a minute.

The American Coolair Corporation pioneered in the manufacture of attic fans for home cooling and during the past 12 years, Coolair engineers have been directly responsible for many of the developments in this field.

In planning a Coolair installation, determine cubic content of space to be cooled or ventilated and select fan of ample capacity based on the table of Recommended Air Changes shown. Write for Coolair's FREE catalog containing detailed installation suggestions for home and commercial jobs.

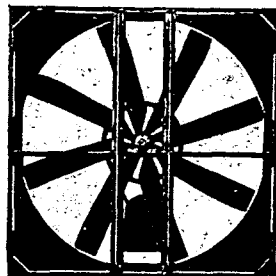


Coolair Type O, showing new built-in springs. Ideal for attic, window and wall installations in homes, offices, restaurants, stores, etc.

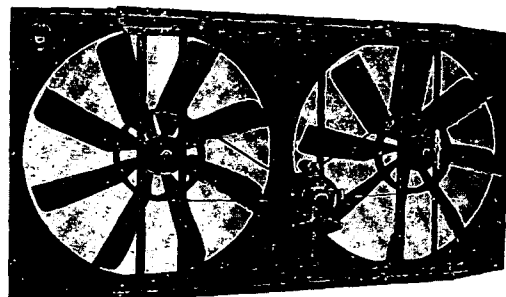
FEATURES OF COOLAIR FANS

1. **New Built-In Springs**—completely insulate moving parts from frame, eliminating vibration noise. Simplify window, wall and attic installations. 2. **Light, Compact Fabricated Steel Frame**—fits into many places where fans with bulky metal housings cannot be used. Easy to handle and install. 3. **Reversible**—when equipped with reversible motor, fan will blow in or exhaust at will. 4. **Ball Bearings in Fan Hub**—Eliminate sleeve bearing chatter and end thrust knock. Permit operation in any position (specify ball bearing motor for vertical or angle discharge). Uses grease instead of oil, requiring attention only once a year (once each three years for residential service). 5. **Eight Large, Slowly-Moving Steel Blades**—instead of four or less usually found on cheaper fans. Up to 12 blades on Type S models. Low tip speeds for quiet performance, steady flow of air. 6. **Efficient V-Belt Drive**—and small motor for efficient operating speed. 7. **Efficient Long Hour Service Motors**—rubber mounted on adjustable support. Nationally known make approved for this application. 8. **Certified Air Ratings**—in accordance with Standard Test Code of NAFM and ASHVE. 9. **Five-Year Guarantee on Residence Fans** (belts and motors 1 year).

Coolair Type T, space-saving, efficient twin unit widely used where headroom is limited. Shown with new built-in springs. U. S. Patent No. 2,108,788



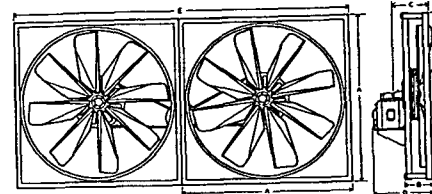
Coolair Type S, diameters 6 to 9 ft. capacities up to 180,000 cfm. Used in hotels, factories, auditoriums, etc.



Performance Data—Coolair Belt Drive Fans

Fan Size		Hp	Fan rpm	Cu Ft Air Per Min	Fan Size		Hp	Approx. Fan rpm	Cu Ft Air Per Min
2-O	B	1/4	448	4600	6-S	B	1	171	32000
26"	C	3/8	535	5500		C	1 1/2	190	35500
	D	3/4	595	6100		D	2	206	38500
2 1/4-O	B	3/4	395	7500	7-S	B	2	163	49500
32"	C	3/4	432	8200		C	3	176	53500
	D	3/4	495	9400		D	5	227	72000
3-O	B	1	308	10000	8-S	B	3	147	66500
38"	C	1	335	10800		C	5	176	80000
	D	1 1/4	394	12800		D	7 1/2	204	93000
3 1/2-O	B	1 1/4	244	12500	9-S	B	5	150	98000
44"	C	1 1/4	294	15000		C	7 1/2	165	108000
	D	1 1/2	325	16600		D	10	193	128000
4-O	B	1 1/2	210	18200	2-OT	B	3 1/2	450	9400
50"	C	1 1/2	290	21300	26" Twin	C	3 1/2	514	10700
	D	1 3/4	320	23500	2 1/4-OT	B	3 1/2	393	15300
4 1/2-O	B	1 3/4	210	21800	32" Twin	C	3 1/2	450	17500
56"	C	1 3/4	236	24500	3-OT	B	3 1/2	295	19200
	D	2	258	27000	38" Twin	C	3 1/2	337	21800
5-O	B	1 3/4	201	24600	3 1/4-OT	B	3 1/2	257	25200
62"	C	1 3/4	222	28200	44" Twin	C	1	283	28800
	D	2	254	30900	4-OT	B	1	234	34600
	D	2 1/2	280	34000	50" Twin	C	1 1/2	270	40000
	D	3	321	45100					

B—Very Quiet (Homes, Theaters, Hospitals, etc).
C—Quiet (Stores, Offices, Restaurants, Barber Shops, etc.).
D—Industrial (Laundries, Factories, Canneries, Bakeries, Pressing Clubs, Garages, etc.).



Dimensions in Inches

Fan Size	A	B	C	D	Approx.
2-O	30 3/8	6 3/8	8 3/4	13	
2 1/4-O	36 3/8	7 3/8	9 1/8	13	
3-O	42 3/8	7 3/8	9 3/8	14	
3 1/2-O	49	7 3/8	10 3/8	17	
4-O	55 1/2	9	11 1/2	19	
4 1/2-O	61 1/2	9 3/4	12 3/4	20	
5-O	67 3/8	9 3/8	12 3/4	20	
6-S	75 3/4	15 3/8	17 3/8	28	
7-S	86 3/8	21 1/8	22 3/8	34	
8-S	98 3/8	21 1/8	34	38	
9-S	111 3/8	20	34	38	

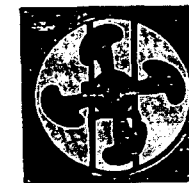
Fan Size	A	B	C	D	E
2-OT	30 3/8	6 3/8	9 1/4	13	61 1/4
2 1/4-OT	36 3/8	7 3/8	9 3/4	13	73 1/4
3-OT	42 3/8	7 3/8	9 3/4	14	85 1/4
3 1/4-OT	49	7 3/8	10 1/4	17	98
4-OT	55 1/2	9 3/8	12 1/4	19	110 1/4

Recommended Air Changes

Type Building	Air Change in Minutes for	
	Cooling	Ventilating
Bakeries, Boiler Rooms, Canneries, Pressing Clubs, Laundries, Restaurants, Kitchens, Etc.	1/2-1	2-5
Barber Shops, Beauty Parlors, Billiard Rooms, Bowling Alleys, Garages, Factories, Restaurants, Stores, Etc.	1/2-1 1/2	3-6
Auditoriums, Churches, Club Rooms, Schools, Theaters, Etc.	1/2-1 1/2	4-8**
Homes, Apartments, Hotels, Hospitals, Offices, Banks, Undertaking Establishments, Etc.	1/2-2	4-8

*When based on seating capacity, allow 150-200 cfm per person.
**Minimum on basis of seating capacity is 35 cfm per person.

COOLAIR DIRECT DRIVE FANS



Coolair Direct Drive Fan 16-24 in.

Manufactured in four sizes from 16 to 24 in. in diameter. Positively quiet at 1200 rpm, not excessively noisy at 1800 rpm. Unique noise-reducing design of blade is covered by U. S. Patent No. 1855660.

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