American Coolair Corporation

Jacksonville, Florida

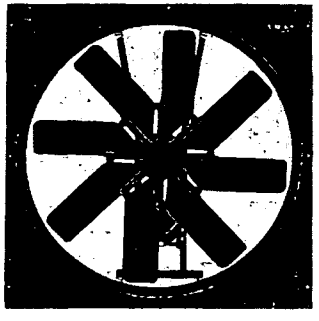
Cooling and Ventilating Fan Systems
For Homes, Offices, Stores, Factories, Etc.
A Pioneer Manufacturer of Attic Fans for Home Cooling
Charter Member—Propeller Fan Manufacturers Association

COOLING BY AIR MOVEMENT

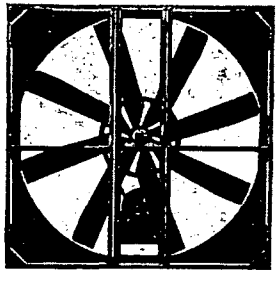
Engineers and architects know well that people working or living within a building can be kept cool, healthfully and economically, by sufficient movement of fresh air. It is not so well known, perhaps, that such cooling requires four to eight times the volume of moving air needed for simple ventilation. 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. For your convenience a table of Recommended Air Changes is included in Coolair's FREE catalog containing detailed suggestions for home and commercial jobs. Write for it today.



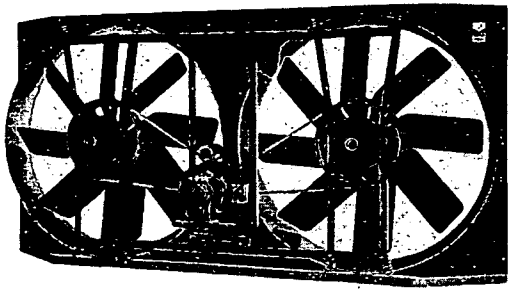
Coolair Type O, showing new built-in springs. Ideal for attic, window and wall installations in homes, offices, restaurants, stores, etc.



Coolair Type S, diameters 6 to 9 ft, capacities up to 150,000 cfm. Used in hotels, factories, auditoriums, etc.

COOLAIR'S QUALITY FEATURES

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 economical 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. **Full Streamlined Orifice**—avoids "spill-off" at end of blades, reduces power consumption.



Coolair Type OT, space-saving, efficient twin unit widely used where headroom is limited. Shown with new built-in springs. U. S. Patent No. 2,108,758

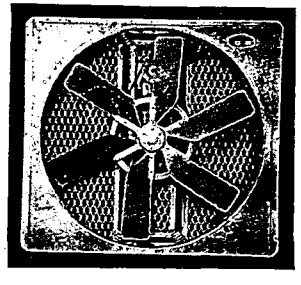
Performance Data—Coolair Belt Drive Fans

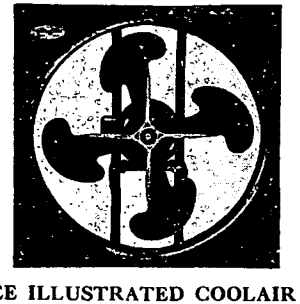
Fan Size		Horse Power	Fan R. P. M.	Cubic Ft. Air Per Min.
28-W	L	1/4	515	6000
2-O	L	1/3	570	6200
	D	1/3	630	6800
2½-O	B	1/4	411	8000
	C	1/3	454	8800
	D	1/2	522	10100
	D	3/4	600	11700
3-O	B	1/4	312	10000
	C	1/3	345	11000
	C	1/2	398	12700
	D	3/4	450	14400
	D	1	500	16000
3½-O	B	1/3	261	13000
	C	1/2	300	15000
	C	3/4	345	17000
	D	1	380	19000
	D	1½	440	22000
4-O	L	1/2	258	19000
	C	3/4	317	22000
	D	1	353	25000
	D	1½	405	28000
4½-O	B	1/2	224	22000
	C	3/4	255	25000
	C	1	276	27000
	D	1½	319	32000
	D	2	355	35000
5-O	B	1/2	200	27000
	C	3/4	225	30000
	C	1	245	33000
	C	1½	282	38000
	D	2	310	42000
	D	3	355	48000
6-S	B	1	155	35000
	C	1½	177	40000
	C	2	195	45000
	D	3	224	50000
	D	5	270	60000
7-S	B	2	163	49500
	C	3	176	53500
	D	5	227	69000
	D	7½	262	80000
8-S	B	3	147	66500
	C	5	176	80000
	D	7½	220	100000
	D	10	259	117000
9-S	B	5	144	93000
	C	7½	165	106000
	D	10	182	117000
	D	15	220	142000
2-OT Twin	B	1/4	455	9800
	C	1/3	500	10800
	C	1/2	570	12400
2½-OT Twin	B	1/3	359	14000
	C	1/2	411	16000
	C	3/4	470	18200
3-OT Twin	B	1/2	312	20000
	C	3/4	360	23000
3½-OT Twin	B	3/4	272	27800
	C	1	300	30700
4-OT Twin	B	3/4	235	36000
	C	1	258	38000
	C	1½	317	44000

B—Very Quiet (Homes, Theatres, Hospitals, etc.).
C—Quiet (Stores, Offices, Restaurants, Barber Shops, etc.).
D—Industrial (Laundries, Factories, Canneries, Bakeries, Pressing Clubs, Garages, etc.).
L—Has adjustable diameter motor pulley for Very Quiet and Quiet performance.

Dimensions in Inches

Fan Size	Overall Height	Overall Width	Overall Depth (Approx)
28-W	31	33	15
2-O	30⅜	30⅜	18
2½-O	36⅜	36⅜	18
3-O	42⅜	42⅜	18
3½-O	49	49	19
4-O	55⅛	55⅛	19
4½-O	61⅛	61⅛	19
5-O	67⅜	67⅜	19
6-S	75¼	75¼	28
7-S	86⅞	86⅞	34
8-S	99	99	38
9-S	111⅛	111⅛	38
2-OT	30⅜	61¼	18
2½-OT	36⅜	73¼	18
3-OT	42⅜	85¼	19
3½-OT	49	98	19
4-OT	55⅛	110¼	22





28-W WINDOW FAN

Equipped with new sound-absorbing springs, safety guard, reversing plug, easily mounted in any standard window, no interference with window operation. See preceding page and Coolair Home-Cooling Fan Bulletin for further data.

DIRECT DRIVE FANS

Commercial exhaust fans scientifically constructed for quietness in restaurants, stores, factories, etc. Four sizes 16 to 24 inches in diameter, capacities 1360 to 6900 cubic feet of air per minute. See Coolair Price Sheet for full data.

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