American Coolair Corporation

3606 Mayflower Street, **Jacksonville 3, Florida**
Charter Member, Propeller Fan Manufacturers Association

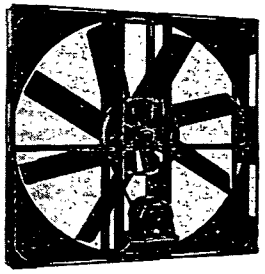
BUILDERS OF V-BELT DRIVE EXHAUST FANS FOR 20 YEARS

The principle of **Rapid Air Change** for the effective cooling of commercial and industrial buildings has been used by Coolair for 20 years, and the company specialized in the development of V-belt drive exhaust and home-cooling fans. Coolair manufactures a wide range of fan sizes and types to fill the ventilating and cooling requirements of all kinds of buildings.

In planning a Coolair installation, provide for a complete change of air once every 30 seconds to one minute. Select fan from table on opposite page to conform to cubic contents of space to be cooled. Write for FREE bulletins containing detailed information, or for the name of nearest Coolair dealer or distributor.

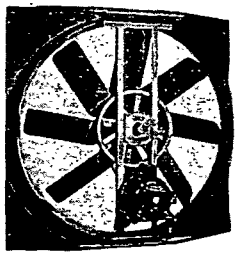
QUALITY FEATURES OF COOLAIR FANS

1. **Patented Spring Mountings on Smaller-motored Units.** All moving parts float on resilient springs, absorb noise.
2. **Compact Welded-steel frame.** Cannot warp or twist. Easy to install.
3. **Reversible Operation.** Fan will blow in or exhaust as desired when equipped with reversible motor.
4. **Oversize Ball Bearings in Fan Hub.** Eliminate chatter and thrust knock, assure long life. Permit operation in any position if ball bearing motor is used.
5. **Eight Steel Blades.** Up to 12 in larger fans. Multi-blade design means slower speeds, steadier air flow, quieter operation.
6. **V-belt Drive.** Small motors operate at most economical running speeds.
7. **Long Hour Service Motor.** Nationally known motors.
8. **Certified Air Ratings.** Set in accordance with ASHVE-NAFM Standard Test Code.
9. **Full Streamlined Orifice.** Avoids "spill-off" of air, reduces power consumption.



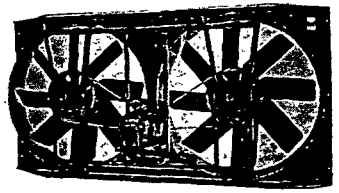
TYPE S—For Large Industrial Jobs

Especially designed for ventilating and cooling industrial plants, shops, power stations, warehouses and other large buildings. Heavily braced double frame, special pillow-block ball bearings on each side of fan wheel, 8 to 12 reinforced fan blades, multiple heavy duty V-belts. Lowest possible operating cost. Type S Fans range from six to nine feet with several motor sizes for each.



TYPE O—For Industrial, Commercial, Home Use

Patented built-in springs (on smaller motored sizes) and streamlined orifice combine to make this type extremely quiet in operation. Designed for reversible operation. Equally efficient in any position when equipped with ball bearing motor. Usually installed in window openings, walls, skylight openings, penthouses or attics. Available in seven fan sizes ranging from 26 to 62 inches with several motor sizes for each. U. S. Patents 1992112 and 2191418.



TYPE OT—Twin Unit

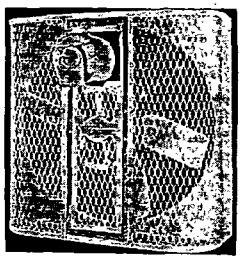
This unique Coolair Twin-unit is two fans of Type O specifications mounted side by side in one frame and operated by a single motor. For use where limited headroom or wall space will not permit the use of a single fan of ample size. Can be placed on end to fit into existing window and door openings. Covered by U. S. Patents 1992112, 2108738 and 2191418.

Dimensions in Inches

Fan Size	Overall Height	Overall Width	Overall Depth (Approx)
28-W	31	33	15
2-O	30⅝	30⅝	16
2½-O	36⅜	36⅜	18
3-O	42⅛	42⅛	18
3½-O	49	49	19
4-O	55⅛	55⅛	19
4½-O	61⅛	61⅛	19
5-O	67⅝	67⅝	19
6-S	75¼	75¼	30
7-S	87	87	32
8-S	99⅝*	99⅝*	49
9-S	112⅛*	112⅛*	54
2-OT	30⅝	61¼	18
2½-OT	36⅜	73¼	18
3-OT	42⅛	85¼	19
3½-OT	49	98	19
4-OT	55⅛	110¼	22

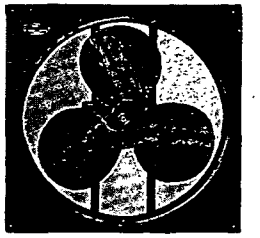
*These dimensions include five-eighths inch for bolt heads.

28-W FAN WITH SAFETY GUARD



Coolair's lowest priced belt-drive fan is equipped with built-in springs, adjustable diameter motor pulley and safety guard. This fan can be easily and quickly installed in upper or lower half of any standard window of work rooms or offices where proper ventilation is necessary for health, comfort and efficiency of workers. See tables for data.

DIRECT DRIVE FANS



Four sizes 16 to 24 inches in diameter. General purpose exhaust fan for most commercial and industrial uses. Data on sizes, performance and dimensions furnished on request.

COOLAIR AUTOMATIC CEILING & WALL SHUTTERS

Precision-built all-steel shutters that open and close automatically when fan is turned on or off. Ceiling shutters eliminate need of ceiling grille and trap door in attic installations. Wall shutters give weather protection for fans discharging directly to open air.

Performance Data—Coolair V-Belt Drive Fans

Fan Size		Horse Power	Fan R. P. M.	Cubic Ft. Air Per Min.
28-W	VL	¼	580	6000
2-O	VL	¼	570	6200
	D	⅓	630	6800
2½-O	VB	¼	411	8000
	VC	⅓	454	8800
	D	½	522	10100
	D	¾	600	11700
3-O	VB	¼	312	10000
	VC	⅓	345	11000
	C	½	398	12700
	D	¾	450	14400
	D	1	500	16000
3½-O	VB	⅓	261	13000
	VC	½	300	15000
	C	¾	345	17000
	D	1	380	19000
	D	1½	440	22000
4-O	VL	½	258	19000
	VC	¾	317	22000
	D	1	353	25000
	D	1½	405	28000
4½-O	VB	½	224	22000
	VC	¾	255	25000
	C	1	276	27000
	D	1½	319	32000
	D	2	355	35000
5-O	VB	½	200	27000
	VC	¾	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	170	58000
	C	3	195	67000
	D	5	230	76000
	D	7½	270	85000
8-S	B	3	150	80000
	C	5	178	95000
	D	7½	205	110000
	D	10	225	120000
9-S	B	5	150	110000
	C	7½	170	125000
	D	10	190	138000
	D	15	215	154000
2-OT Twin	VB	¼	455	9800
	VC	⅓	500	10800
	VC	½	570	12400
2½-OT Twin	VB	⅓	359	14000
	VC	½	411	16000
	VC	¾	470	18200
3-OT Twin	VB	½	312	20000
	VC	¾	360	23000
3½-OT Twin	VB	¾	272	27800
	VC	1	300	30700
4-OT Twin	VB	1	258	38000
	VC	1½	317	44000
	D	2	345	48000

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.
V—Equipped with built-in springs.