

American Coolair Corporation

COOLING AND VENTILATING FAN SYSTEMS

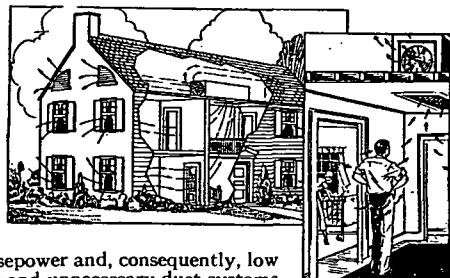
3604 Mayflower Street, Jacksonville, Florida

PRODUCTS

Silent Reversible Belt Drive Cooling and Ventilating Fans for homes, stores, offices, factories, etc.
Quiet, high speed direct drive fans.

DIFFERENTIATE clearly between cooling and ventilating. Cooling requires complete air changes as rapidly as every half minute to every minute and one-half; ventilation requires air changes only every two to five minutes, depending on the building. Coolair has pioneered home cooling by air circulation.

One of the outstanding advantages of COOLAIR ventilating fans is that they will deliver large quantities of air under free delivery with small horsepower and, consequently, low operating cost. Elimination of costly and unnecessary duct systems will often more than pay for the COOLAIR equipment. It is important to provide ample exhaust and intake opening to avoid restricting the air volume. Net free air passage area should never be less than area of fan. For maximum quietness free area should be enough larger than fan to assure a grille velocity of not more than 750 fpm.

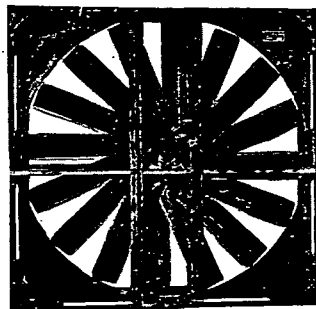


Typical Coolair Home Cooling and Ventilating Installation

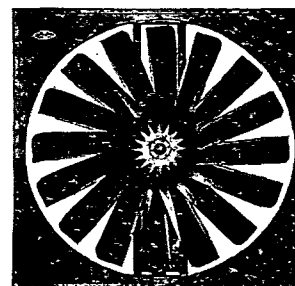
Description

COOLAIR Belt Drive Fans meet the ventilating and cooling requirements of any size building. They are just as efficient when blowing in as when exhausting. The V-belt drive permits use of standard electric motors operating at the most efficient speed, and easily replaced in event of motor trouble. Slower speed motors are costly, difficult to replace and less efficient. With simple exchange of a motor the COOLAIR unit can be converted from a silent, slowly turning residence unit using a small motor, to a high speed industrial unit using a large motor.

With a reversible motor, air can be blown into or exhausted from the building at will. Air can be pulled from the cool side of the building in the morning and the fan reversed when the sun moves to the opposite side in the afternoon.



Standard Type—Front View
Diameters Six to Nine Feet
Performance Data on Request



Type "B"—Front View
Diameters 26 in. to 68 in.

Over-All Dimensions (In.)

Size	Height and Width	Depth
2B	30 5/8	12
2 1/2 B	36 3/8	12
3B	42 5/8	12
3 1/2 B	49	16
4B	55 5/8	17 1/2
4 1/2 B	61 5/8	18 1/2
5B	67 5/8	16 1/2
6	75 1/4	28
7	87 1/2	34 1/2
8	99 1/2	34
9	112	34

*Standard type frames.
Note: Depth Approximate.

Advantages

- (1) Low initial cost. Great air delivery per dollar of power.
- (2) Economical operation. Use of a small motor at the most efficient speed.
- (3) Quiet performance. Great volumes of gently moving air without objectionable noise or drafts.
- (4) May be equipped with reversible motors to exhaust or blow in at will.
- (5) Air volume controlled by means of two-speed pulley on smaller units.
- (6) Rubber insulated motor support. Adjustable to belt tension.
- (7) Equipped with SKF ball bearings in dustproof, grease-packed housings.
- (8) Easy to install. The steel blades and frame are durable, yet light in weight.
- (9) Standard motors. Enclosed when specified. No vent holes are necessary to keep them cool.
- (10) Blades are individually mounted, inexpensive to replace.
- (11) Type "B" units, when equipped with ball bearing motors, are suitable for operation in any position.
- (12) Blades of Type "B" belt drive units are non-overloading.
- (13) Residence units are light, spring suspended for ultra-quiet operation.

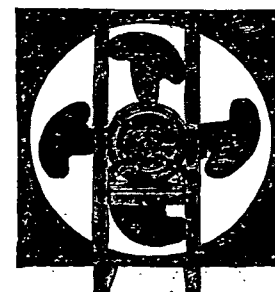
Coolair Residence Unit and Spring Suspension covered by U. S. Patent No. 1,992,112.

Performance Data—Coolair Belt Drive Fans

Fan Size	Hp	Watts per Hour	Fan RPM	Cu Ft Air per Min
2B	* 1/4	190	427	3250
	† 1/4	250	582	4450
2 1/2 B	* 1/4	300	413	5750
	† 1/4	420	460	6400
	†† 3/4	570	507	7000
	††† 3/4	800	663	9200
3B	* 1/4	300	305	7800
	† 1/4	420	340	8700
	†† 3/4	570	385	9800
	††† 3/4	800	448	11000
3 1/2 B	* 1/2	420	268	11200
	† 1/2	570	290	12100
	†† 3/4	800	350	14600
	††† 3/4	1060	392	16300
4B	* 1/2	420	259	15800
	† 1/2	570	277	17000
	†† 3/4	800	306	18800
	††† 3/4	1060	369	22500
4 1/2 B	* 1/2	570	194	17000
	† 1/2	800	225	19700
	†† 3/4	1085	260	22700
	††† 3/4	1450	286	25000
5B	* 3/4	800	195	23000
	† 3/4	1085	211	25000
	†† 1 1/2	1450	251	29600
	††† 1 1/2	1900	277	32800
	†††† 1 1/2	2850	324	38000

*Very quiet. †Quiet. ††Industrial.
Data in accordance with Standard Code Test. American Society of Heating and Ventilating Engineers.

Coolair Direct Drive Fans



Coolair Direct Drive—18 in. to 24 in.
Data on Request

Covered by U. S. Patent No. 1,855,660, designed for maximum air per horsepower with minimum noise.

Type "B" Direct Drive COOLAIR Fans are made in four sizes. At 1200 rpm for residence kitchens, small stores, etc. At 1800 rpm for cooling, drying; for removing dust and fumes. Motors totally enclosed, long service types. The 1/6 hp and larger are ball bearing, will operate in extremes of position, temperature and humidity. Cushion mountings.