

American Coolair Corporation

COOLING AND VENTILATING FAN SYSTEMS

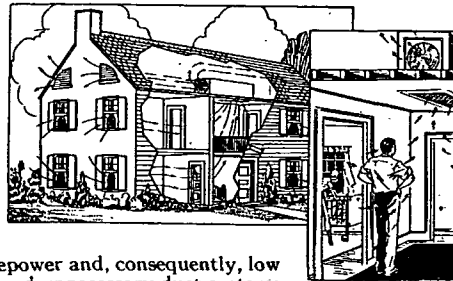
3604 Mayflower Street, Jacksonville, Florida

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 grill velocity of not more than 750 fpm.

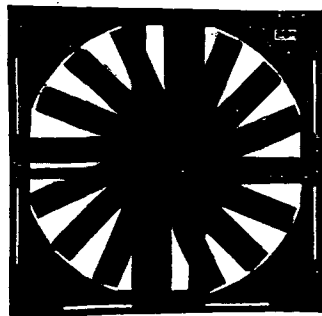


Typical Coolair Home Cooling and Ventilating Installation

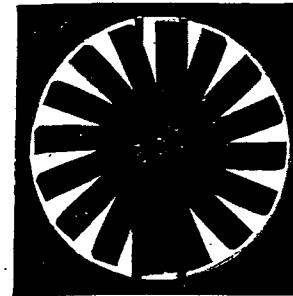
Description

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

Over-All Dimensions (In.)

Size	Height and Width	Depth
2B	30 3/4	11 1/2
2 1/2 B	36 3/4	11 1/2
3B	42 3/4	12 1/2
3 1/2 B	49	15
4B	55 3/4	15 1/2
4 1/2 B	61 3/4	16
5B	67 3/4	16 1/2
*6	75 3/4	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.

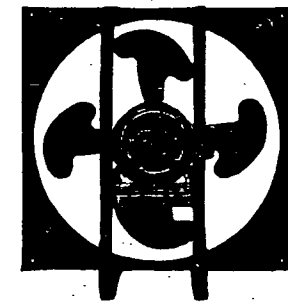
Capacities and Weights—Coolair Belt Drives

Fan Size	Hp.	Watts per Hour	Fan R.P.M.	Cu. Ft. Air per Min.
2B	1/6 † 1/4	190 280	427 582	3250 4450
2 1/2 B	1/4 † 3/8 †† 1/2	300 420 570	413 460 507	5750 6400 7000
3B	1/4 † 3/8 †† 1/2	300 420 570 800	305 340 385 448	7800 8700 9800 11000
3 1/2 B	1/2 † 3/4 †† 1	420 570 800 1060	268 290 350 392	11200 12100 14600 16300
4B	1/2 † 3/4 †† 1 ††† 1 1/2	570 800 1085 1450	259 277 306 369	15800 17000 18800 22500
4 1/2 B	1/2 † 3/4 †† 1 ††† 1 1/2 †††† 2	570 800 1085 1450 1900	194 225 260 286 329	17000 19700 22700 25000 28000
5B	3/4 † 1 †† 1 1/2 ††† 2 †††† 3	800 1085 1450 1900 2850	195 211 251 277 324	23000 25000 29600 32800 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 -
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.