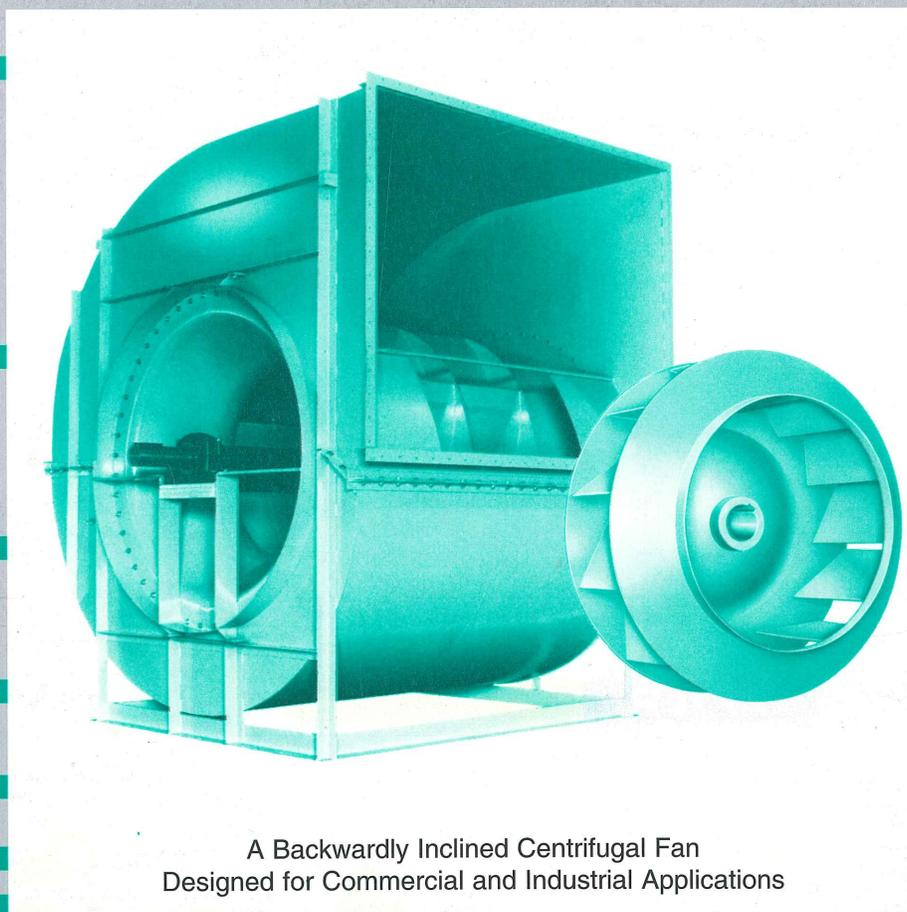


SILENTVANE™

3000 SERIES



A Backwardly Inclined Centrifugal Fan
Designed for Commercial and Industrial Applications

ACME

ACME ENGINEERING & MANUFACTURING CORP.
MUSKOGEE, OKLAHOMA

Quality and Service that will Blow you Away!

Industry Leadership

Founded in 1938, Acme Engineering and Manufacturing Corporation is known worldwide as a leader in the manufacture of fans, blowers, and ventilation equipment. Acme's growth over the past half century is a tribute to superior quality, customer loyalty, and dedicated employees and sales representatives.

Today, from its headquarters in Muskogee, Oklahoma, Acme serves customers worldwide with high quality air movement and control products.

Manufacturing

With approximately 350,000 square feet of manufacturing space, Acme produces one of the broadest lines of air moving equipment in the industry. State-of-the-art manufacturing equipment and a well trained, experienced workforce is the key to Acme's timely delivery of quality air moving products.

Engineering

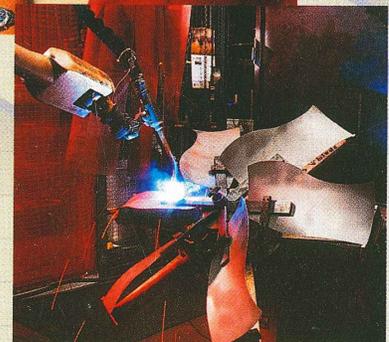
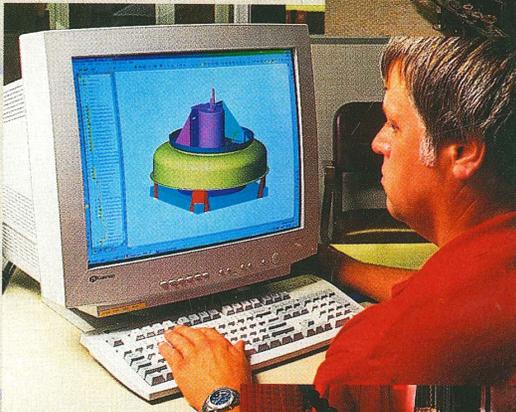
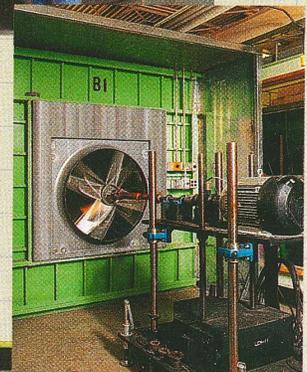
The Acme Research and Engineering Center operates both air and sound laboratories. The Center houses four wind tunnels with a data acquisition system, a reverberant sound room with the latest sound analyzer equipment, and a structural laboratory for stress and vibration analysis. Solid modeling, and finite element analysis support product research and development. The Center also houses a fully equipped prototype facility enabling Acme to develop and introduce new products to the market in the shortest time possible.

Sales & Service

A factory trained, knowledgeable sales organization addresses the needs of many diverse and distinct markets. Customers around the world are serviced by a complete system of sales representatives, equipment distributors and local dealers supported by nationwide distribution centers and backed by a staff of sales and marketing professionals.

Quality

A highly trained engineering and production staff set the standard for dependable, quality air moving products. By using the latest computer techniques for research and design, and rigorous quality control standards Acme can offer one of the best warranty programs in the industry. Our exclusive 2/5 year limited warranty provides our customers with confidence... Year After Year.



3000 SERIES

DESIGN FEATURES

GENERAL

SILENTVANE™ series Backwardly Inclined Fans are of outstanding centrifugal fan design. Aerodynamically designed wheels allow more air to be handled for less horsepower. This fan has been designed for handling large volumes of air over a wide range of pressure requirements at a low operating cost.

EFFICIENCY

Most important is sustained high efficiency over the range of optimum selection. The ultimate measure of fan performance is operating efficiency. High efficiency means low operating costs throughout the life of the equipment. Normal selection is slightly to the right of peak efficiency, thereby assuring adequate pressure reserve.

HORSEPOWER

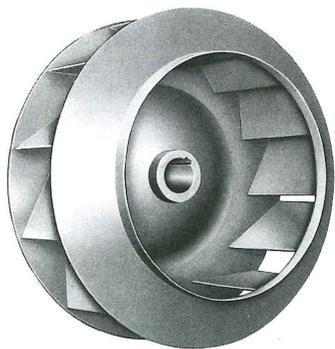
The horsepower curve is self-limiting and reaches a maximum in the normal selection range at a given speed. This permits the selection of motors based on brake horsepower requirements without danger of overload at that speed.

QUIET OPERATION

Precise orientation of wheel blades, combined with careful aerodynamic design of wheel and casing, decreases air turbulence and increases pressure conversion efficiency. The result is a quieter operating fan.

BACKWARDLY INCLINED BLADING

Flat B.I. blading provides full streamline airflow for greater operating efficiency and perceptibly quieter performance. The B.I. wheel can be used for a wide range of applications including light dust environments, generally without build-up and eventual unbalance.



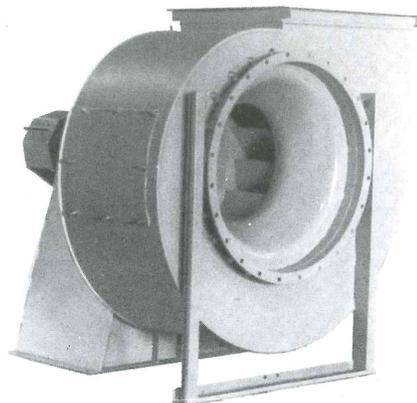
3000 Series B.I.

THESE ACROSS THE BOARD BACKWARDLY INCLINED ADVANTAGES . . .

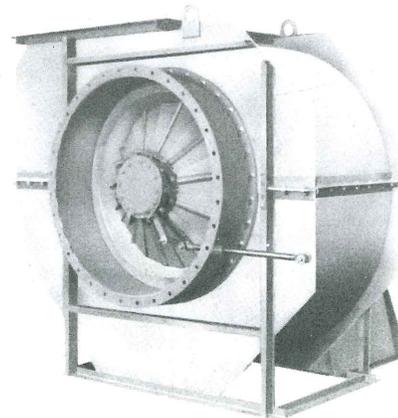
- Efficient economical backwardly inclined wheel design for moving large volumes of air at a wide range of pressure requirements.
- Non-overloading horsepower characteristics.
- Increased stability of operation due to steeply rising pressure curve which minimizes volume variation to changes in system resistance.
- Can be utilized for light dust applications, generally without build-up.

ADD UP TO . . .

- **Real Savings . . .** low initial cost . . . minimum operating expense . . . minimum maintenance expense.



General Purpose . . . for medium pressures.



Heavy Duty . . . for maximum pressures.



Acme Engineering and Manufacturing Corporation, Industrial Products Division, certifies that the 3000 Series fans shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program. For Sound Performance Data refer to Sound Bulletin S81.

SILENTVANE™

TYPICAL CONSTRUCTION FEATURES GENERAL PURPOSE FAN

BEARINGS

Self-aligning, grease lubricated, anti-friction bearings are standard. Minimum starting friction, simple maintenance and long trouble-free life expectancy make them ideal for fan service. In general, ball bearings are used for the higher speeds and roller bearings for heavy loads and at slower speed.

SPUN INLETS

Deep streamlined inlets reduce incoming air turbulence and losses to a minimum. Overlapping of the inlet with the contoured wheel rims allows air to move into the wheel without obstruction.

REINFORCING BRACES

Angle bracing, which essentially forms a beam section, eliminates the possibility of casing pulsation and vibration. In certain fan sizes, the bracing angles are used to permit simple connection of square or rectangular ducts directly to the fan.

This eliminates the usual duct transition piece.

HOUSING DESIGN

The spiral shaped housing is designed to receive the air leaving the wheel and reduce its velocity with a minimum of turbulence, thereby efficiently converting the velocity pressure to static pressure for increased performance.

CUTOFF

The discharge cutoff is specially shaped for maximum efficiency and strength.

WHEEL CONSTRUCTION

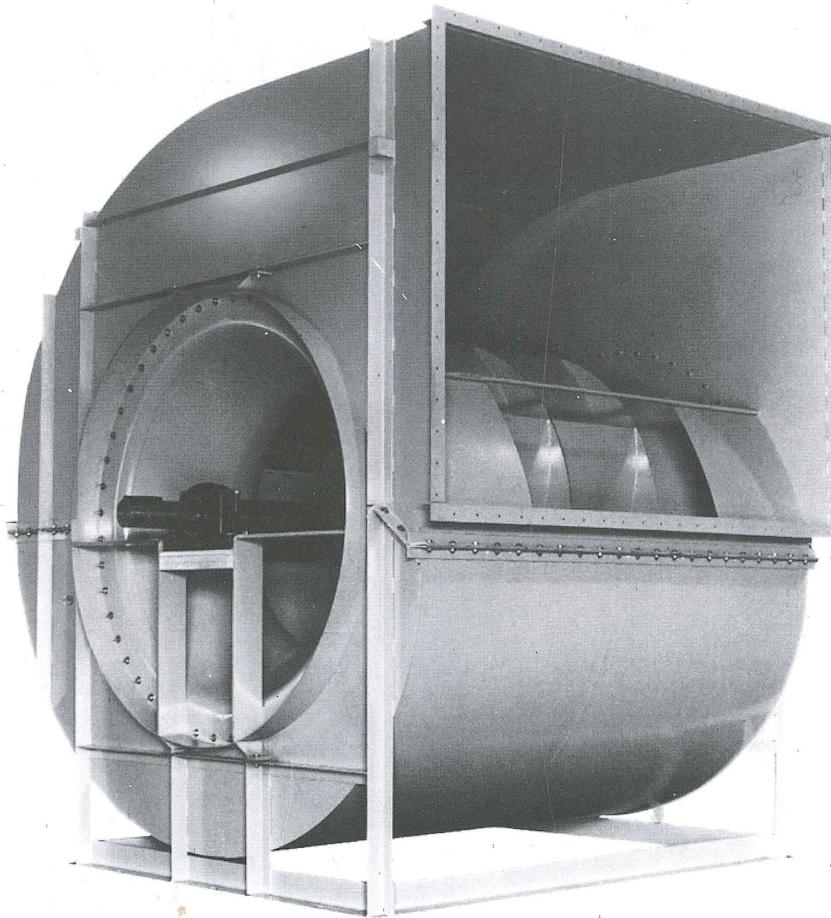
Single thickness backwardly inclined design plus streamlined airflow over the blade surfaces, provide a non-overloading power characteristic approaching true airfoil efficiency.

Wheels have flat backwardly inclined blades welded to back plate and rims to provide a particularly rigid assembly, well suited for a wide range of air handling and light dust applications, generally without build-up and eventual unbalance.

To insure smooth operation, all wheels are statically and dynamically balanced.

SHAFTS

Shafts are fabricated from medium carbon steel (larger fans utilize forged shafts) and all are carefully turned, ground and polished to size. All shafts are correctly designed to give safe deflection and operate well below the first critical speeds.



BASE

The base is fabricated from steel angles for maximum support and stiffness.

HEAVY BEARING SUPPORT

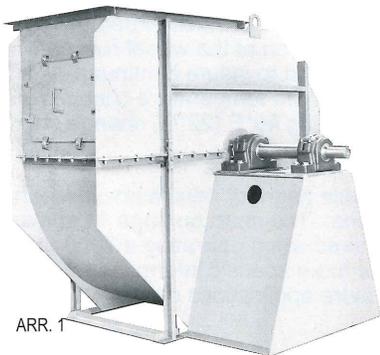
Heavy steel bearing supports maintain accurate alignment, prevent bearing distortion and offer a minimum of resistance to airflow.

3000 SERIES

ARRANGEMENTS

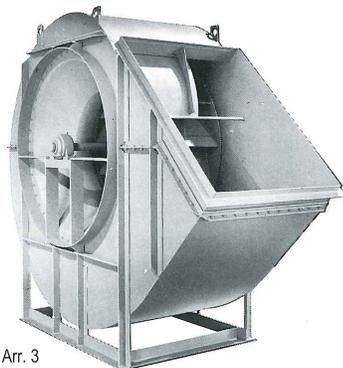
SINGLE WIDTH (SWSI)

Arrangement 1... Belt driven fan with wheel overhung, has two bearings mounted on a pedestal. This arrangement is generally used for industrial applications and is the preferred arrangement for corrosive gas applications or for handling gases at elevated temperatures since no bearings are located in the inlet. Available in sizes 3012 through 3081, Classes I and II, and sizes 3018 through 3073, Classes III and IV. All sizes are suitable for belt or direct drive (Arr. 8).



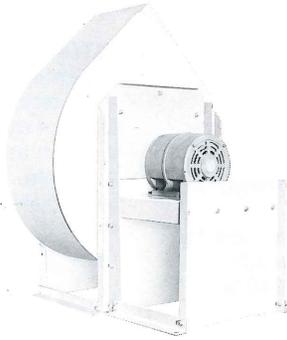
ARR. 1

Arrangement 3... Single width fans are belt driven with bearings supported by heavy steel members on each side of the fan housing. This arrangement is generally used for ventilation, air conditioning and clean ambient air applications, since the bearings are located in the airstream. Available in sizes 3012 through 3081 for Classes I and II, and sizes 3018 through 3073 for Classes III and IV.



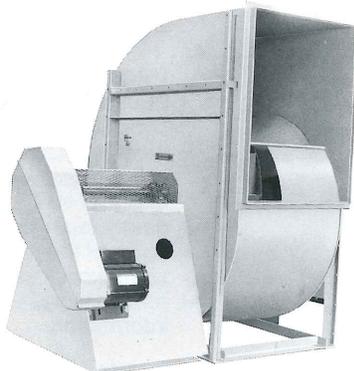
Arr. 3

Arrangement 4... Direct driven, has fan wheel overhung on motor shaft and motor mounted on a pedestal. Available in Classes I and II in sizes 3012 through 3037 only.



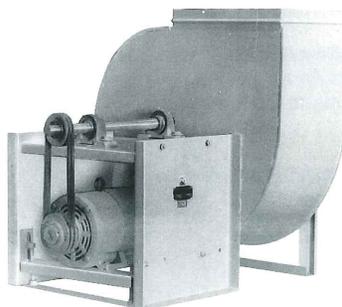
ARR. 4

Arrangement 9... Similar in construction and application to Arrangement 1, except the fan assembly has provision for mounting the motor on the side of the bearing support pedestal. Mounting the motor integral with the fan provides a package which uses a minimum of floor area and is easily movable. Available in sizes 3012 through 3081, Classes I and II, and sizes 3018 through 3073, Classes III and IV. Limited by maximum motor frame.



ARR. 9

Arrangement 10... Similar to Arrangement 9, except that the motor is mounted within the bearing support base. This package fan uses a minimum of floor space, protects the motor and is available with a weather cover or belt guard. Furnished in Classes I and II, sizes 3012 through 3066. Class III construction also available.



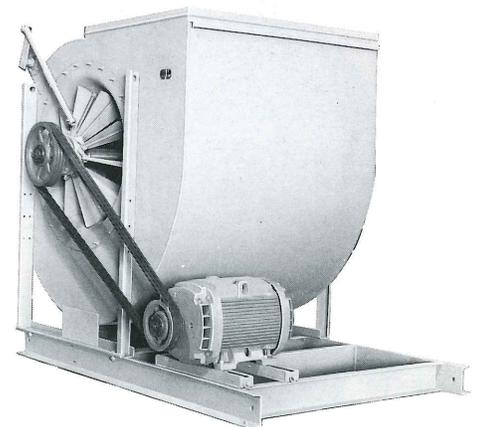
ARR. 10

DOUBLE WIDTH (DWDI)

Arrangement 3... Belt driven with both bearings mounted in the inlets. Similar in construction and application to Arrangement 3, SWSI. Double width fans deliver a maximum volume of air with a minimum amount of space required. Available in sizes 3012 through 3081, Classes I and II, and sizes 3027 through 3073, Class III.



General purpose, Arrangement 3, Double Width, Double Inlet fan.



Arrangement 3, Double Width, Double Inlet Fan, with inlet vane controls and interconnecting linkage, featuring optional subbase with adjustable motor slide rails.

Other Arrangements Available... Arrangements 7 and 8 are direct driven with the motor mounted on a motor base. Bearings are located in the airstream in Arrangement 7, both SWSI and DWDI, and on a pedestal base in Arrangement 8. The application of these fans is similar to that of Arrangements 3 and 1 respectively. Arrangements 7 and 8 are, in effect, direct driven packaged fans.

SILENTVANE™

FAN CONSTRUCTION

HOUSING

All SWSI and DWDI housings are fabricated from rigidly braced steel and provided with streamlined spun inlets which guide the air into the wheel with a minimum of interference.

Either fixed or rotatable discharge housings are available for sizes 3012 through 3037, both single and double width. Fixed discharge housings are standard for sizes 3040 and larger, and are continuously welded.

Housings are fabricated using intermittent or continuously welded types of construction depending on fan size or class. Split housings to meet specific job and/or shipping requirements are also available. Size 3040 and larger Class I and II and all Class III and IV, SWSI or DWDI housings are continuously welded.

WHEELS

The rotating elements of a fan are most important and must be designed and fabricated to provide the highest practical aerodynamic performance with smooth vibration-free operation. This complete line of backward inclined wheels features:

- Shock-free airflow, minimizing turbulence and sound.
- Hubs designed to guide the air into the blades.
- Wheels statically and dynamically balanced.



3000 SWSI



3000 DWDI

3000 DWDI AND SWSI WHEELS

SWSI 3000 Series and DWDI 3000 Series backwardly inclined wheels with cone shaped hubs for smooth air intake. Heavy duty Class III and IV wheels may be furnished with extra reinforcing rims for superior strength.

Welding of the single thickness backwardly inclined blades to the wheel back or center plate and rim(s) provides the necessary strength and rigidity for all classes of construction.

INTENDED SERVICE

In general, fans are built to suit the service for which they are intended to perform. Variations in rotation, discharge, class of construction, arrangements, bearing type and location are but a few of the many different options that are available. Fans may also be built to handle air at elevated temperatures or with protective coatings or special metals to resist the effects of corrosive air or gases, or with spark resistant construction.

HIGH TEMPERATURE FANS

Series 3000 fans are available for handling air at temperatures up to 800°F (427°C). The correct fan arrangement, special construction, and limitations placed upon the maximum operating speeds are important considerations that must be taken into account when elevated temperatures are involved.

In addition, particularly with larger fans, the temperature rate of change required to be handled becomes extremely important. The rates of expansion of the wheel hub and shaft must be carefully reviewed to insure continued trouble-free operation. Maximum temperature change for any 10 minute period exceeding 40°F (22°C) change should be referred to the factory.

Refer to top of capacity table page for maximum class fan RPM at standard conditions. The chart on page 11 shows the RPM corrections required when operating a 3000 fan above 150°F (66°C). For more specific information concerning high temperature applications consult your local ACME Representative.

PROTECTIVE COATINGS

Standard finish for SILENTVANE™ 3000 Series fans consists of one primer and overcoat of gray acrylic alkyd paint applied inside and out. An aluminum silicone paint or equal is applied for high temperature applications exceeding 300°F (149°C). Industrial use of fans handling corrosive gases requires special consideration in the construction and finish of the fans. Fans are available with neoprene, phenolic, vinyl, epoxy and special paints to meet most applications. Refer to factory for additional coating information.

SPECIAL METALS

SILENTVANE™ fans can be constructed of stainless steel, aluminum and other special metals. Fans constructed of special metals are used in applications where a standard fan with a special coating will not give satisfactory results. Fans of special metals are generally higher in first cost, but may be justified because life expectancy is increased. When non-standard materials are used to fabricate the wheel and/or shaft, the "Maximum Design RPM" may also change. See Application Data for correct RPM or contact Acme.

SPARK RESISTANT FANS

Application of fans on systems where hazardous, explosive or flammable conditions exist requires careful attention on the part of the designer, manufacturer and installer. SILENTVANE™ fans are available with spark resistant construction as covered by the following table. Fans with this construction are only available in arrangements 1, 4, 8, 9 and 10. Aluminum wheels for Type A or B construction are available for Class I, II, and III fans in sizes 3012 through 3081. Type C construction is available for all sizes and classes.

3000 SERIES

Table of Standard Classifications for Spark Resistant Construction.	
Type A...	All parts of the fan in contact with the air or gas being handled shall be made of non-ferrous material. Steps must also be taken to assure that the wheel, bearings, and shaft are adequately attached and/or restrained to prevent a lateral or axial shift in these components.
Type B...	The fan shall have a non-ferrous wheel and non-ferrous ring about the opening through which the shaft passes. Ferrous hubs, shafts and hardware are allowed if construction is such that a shift of the wheel or shaft will not permit two ferrous parts of the fan to rub or strike. Steps must also be taken to assure that the wheel, bearings, and shaft are adequately attached and/or restrained to prevent a lateral or axial shift in these components.
Type C...	The fan shall be so constructed that a shift of the wheel or shaft will not permit two ferrous parts of the fan to rub or strike.
Notes:	<ol style="list-style-type: none">1. Bearings shall not be placed in the air or gas stream.2. The user shall electrically ground all fan parts.3. Explosion proof motors and static resistant belts should be used.

Refer to AMCA Standard 99-0401-86 for more detailed information.

Fans must be installed with all fan parts electrically grounded.

PHYSICAL DATA

AMCA Standard 99-2408-69 defines three performance Classes, I through III. Class IV is defined by Acme.

Housings

Class I and II Fans

Sizes 3012 through 3037 SWSI or DWDI, tack welded, beaded seams. Continuous welding optional.

Sizes 3040 and larger, SWSI or DWDI, continuous welded seams.

Class III and IV Fans

All sizes, SWSI or DWDI, continuous welded seams.

Inlets

SWSI fans, Class I and II are furnished with circular Slip Joint Inlets as standard (Arr. 1, 4, 8, 9 and 10). The above applies to all fan Arrangements, except 3 and 7, which for Class I and II, sizes 12-37 have a round flange punched inlet as standard for both SW and DW. For Arr. 3 and 7, Class I and II, SW or DW, Sizes 40-81, the standard inlet is a square flange open type unpunched. For Class III and IV, all arrangements, a round flanged punched inlet is standard, punched to Acme standard pattern.

Outlets

Slip joint outlets are standard for Class I and II fans. Flanged outlets are standard for Classes III and IV and an available option for Classes I and II. If a flanged type outlet damper is specified, a fan outlet flange is also required. Outlet is unpunched.

Wheels

Class I, II, III and IV Fans

All SWSI or DWDI wheels are fabricated with flat single thickness blades.

Blades

Wheel blades are welded to the rim, center or backplate.

Hubs

Hubs are fabricated from steel bar and plate or cast iron.

Shafts

Turned, ground and polished of SAE 1045 medium carbon steel, designed to operate well below and away from the first critical speeds.

Shaft Seals

Standard design shaft seal consists of a flat, non-asbestos type gasket material secured by a flat steel retaining plate to the fan housing. Standard shaft seals are designed to reduce but not eliminate the amount of air leakage past the shaft. Consult factory when air tight shaft seal designs are required.

Bearings

Class I and II Fans

All sizes and arrangements, SWSI or DWDI, are supplied with pillow block type, ball or roller bearings as standard.

Class III and IV Fans

All sizes and arrangements, SWSI or DWDI, are supplied with heavy duty, pillow block type, roller bearings as standard.

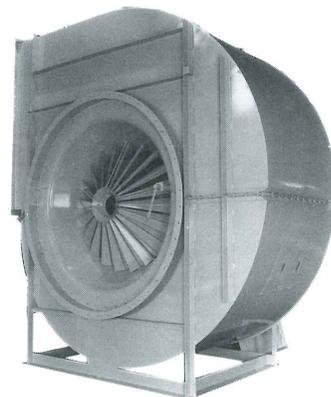
With proper belt tension, Acme bearings are rated at a L-10 life of 40,000 hours. However, certain high speed and high horsepower configurations may lead to reduced bearing life. Your Acme Representative can furnish information on the actual bearing selection for a given configuration along with bearing life estimates. L-10 lives of 80,000 hours (L-50, 400,000 hours) are available options.

Outlet Dampers

Dampers for all sizes and arrangements, SWSI or DWDI, have independent frames and a flange type duct connection. The blades are interconnected and operate with flanged type, sealed and permanently lubricated bearings.

Inlet Vane Controls

IVC's are available in either nested, internally mounted, or separately encased, externally mounted type designs, for fan size, width, class, and arrangement as required. All IVC's are available with single point operation for either manual or automatic control. Standard design for both nested and external type, Classes I through IV, consist of heavy construction suitable for clean air or gas applications.

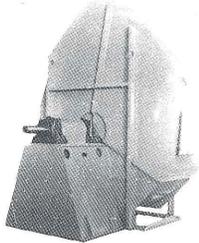


Arrangement 1, SWSI, Class III fan with rigidly braced housing, split for ease of wheel removal and inlet vane control.

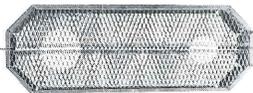
SILENTVANE™

OPTIONAL ACCESSORIES

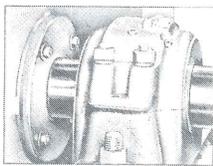
- Access Doors
- Special Coatings
- Coupling Guards
- Extended Lube Fittings
- Flanged Inlet & Outlet
- Heat Shield
- High Temp. Construction
- Housing Extensions
- Inlet & Outlet Screens
- Inlet Boxes
- Inlet Vane Controls
- Motor & V-Belt Drives
- Outlet Dampers
- Shaft & Bearing Guards
- Shaft Seals
- Spark Resistant Const.
- Special Bearings
- Special Nameplates
- Special Widths
- Split Housings
- Std. & Flanged Drains
- Unitary Subbases
- V-Belt Drive Guards
- Weather Covers



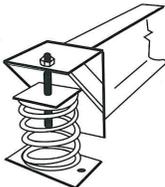
Split Housing



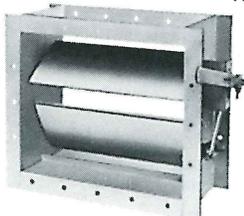
Drive Guards



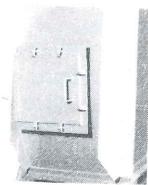
Shaft Seal



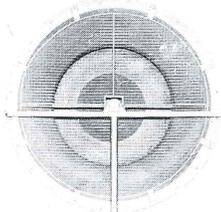
Vibration Equipment



Outlet Dampers



Access Doors



Screens



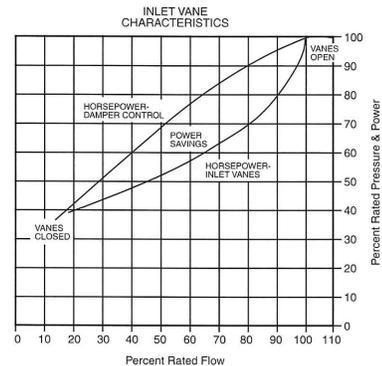
Drain



INLET VANE CONTROL (IVC)

Vane control is a simple and efficient means of regulating fan output over a wide range of operating conditions. It combines the advantages of instantaneous regulation of fan capacity (to meet exact pressure and volume requirements of the system) with substantial power savings during those periods when the full rated delivery of the fan is not required. Vanes may be operated automatically or manually without shutting the fan down. Vane control is available for all fan sizes.

The control of fan output by movable inlet vanes has been accepted as one of the most economical means of varying fan capacity at high efficiency.



Typical Inlet Vane Control Horsepower Curve illustrating power savings.

Inlet Vane Control offers these advantages for Variable Air Volume Systems:

- **Immediate Response...** Vane control effects a change in fan pressure and volume without requiring a speed change of either the fan or motor.
- **Saves Power...** As the vanes are closed, a reduction in fan output occurs, with a resulting lower motor power input.
- **Quietness...** Overall sound level will not increase substantially from full open to the closed vane position.
- **Present-Future Operation...** Partially closed vanes permit use of a fan without change for present low occupancy or load. Vanes can be opened as load increases.
- **Usable at all times...** Vanes may be operated without shutting down the fan, ensuring continuous system performance.
- **Stabilizes Fan...** Partially closed vanes steepen the fan curve, minimizing volume variation when the system resistance changes.
- **Simple...** Regulating fan output by vane control permits the use of highly efficient squirrel cage motor and simple starting equipment.
- **Economical...** Vane control is a most economical means of controlling fan capacity by combining power savings with low first cost.



Internal (Nested) IVC



External IVC with stub shaft and lever

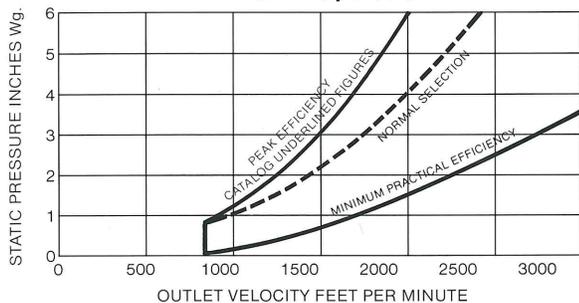
3000 SERIES

SELECTION AND APPLICATION

Efficient fan selection minimizes internal energy losses and sound generation. Acoustical laboratory tests confirm that low sound output occurs at high operating efficiency. The underlined> figures in each pressure column of the performance table are near peak efficiency. Fan selections near the peak efficiency provide low sound output consistent with adequate pressure reserve and self-limiting horsepower - another advantage of carefully coordinated design.

Selection for relatively quiet operation... Selection at higher efficiencies minimizes sound generation. For lower sound output, together with other benefits of low power consumption and operating cost throughout fan life, select fans near **Normal Selection Curve**. When higher sound levels are acceptable, together with smaller fans and higher operating costs selection can be made at lower efficiencies. Under these circumstances, sound attenuation may be desirable.

Recommended Outlet Velocities For Quiet Operation

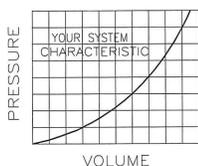


SELECTION CONSIDERATIONS

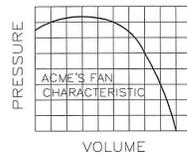
Selection of the proper fan for a given application involves not only the operating characteristics of the fan, but a careful analysis of first cost versus operating cost, as well as expected life, quietness of operation, location of equipment and any other job limitations. Generally speaking, permanent types of fan installations such as public buildings, schools, or hospitals are expected to operate for many years, during which time operating and maintenance costs can be substantial factors. Quite often an analysis of first cost versus operating costs for the life expectancy of the fan can justify a higher initial investment using a larger fan with higher efficiency. Industrial applications, on the other hand, have indeterminate life expectancies and often permit smaller fans to be selected at lower efficiencies. Each installation should be thoroughly analyzed in its design stage to insure that the ultimate objective is accomplished.

ACME'S FAN... YOUR SYSTEM

Fan selections are based on static pressure capability when handling a given volume of air. The static pressure is calculated for each system by following certain accepted industry practices. This calculation of static pressure is at best an inexact science with the error often compounded by the addition of safety factors.

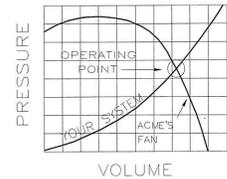


If the system pressure requirements for a given volume of flow is known, the system characteristic curve is a parabola and can be predicted mathematically. Such a system curve is illustrated to the left.



A fan at a given RPM has a characteristic pressure-volume curve from wide open to blocked tight. Such a fan curve is illustrated to the left.

If the curves are superimposed as illustrated to the right, the intersection is the only point on the system at which the fan can operate. If this balance point does not satisfy the system pressure and volume requirements, the system requirements or fan speed must be adjusted until the required operating characteristics are obtained.



In the selection of a fan to meet calculated or specified pressure-volume conditions, it is important to apply, where possible, an adjustable fan drive with sufficient variation to compensate for variances between actual and calculated operating conditions.

FAN STARTING REQUIREMENTS

A fan is an energy converter. Electrical energy rotates the fan wheel through a driving motor and increases the static pressure (potential energy) of the air handled by the fan in order to overcome resistance to air flow offered by the duct system. The wheel also increases the velocity pressure (kinetic energy) of the air which is the energy required to maintain the air in motion. The driving motor must be capable of starting the fan from rest and accelerating it to operating speed, with a minimum of disturbance to the electrical system. The information given below is useful in understanding the motor problems that may arise.

To start and accelerate a fan to operating speed it is necessary to:

- 1. Overcome bearing resistance.** This resistance can vary with the type of bearing used. It is low for anti-friction types and relatively high for sleeve types.
- 2. Accelerate the inertia of the fan wheel and shaft.** This inertia is generally designated as the moment of inertia or WR^2 . The motor must provide energy to accelerate it together with the inertia of the drive sheaves or coupling. The moment of inertia for Class III and IV fans will be greater than Class I and II fans, because heavier wheels and shafts are used.
- 3. Provide energy to the fan wheel as it begins to deliver air into the duct system.** The horsepower required varies with the cube of the fan speed ratio. It is insignificant at low speeds, but increases rapidly as the fan wheel comes up to operating speed.

At lower static pressures it is possible to select motors that are too small. The fan operating brake horsepower could be significantly less than the WR^2 necessary to accelerate the fan to the point of operation. If the motor was sized to the required operating brake horsepower without consideration for the fan WR^2 , drive loss, and bearing loss, then it is very possible to overheat the motor and overload the electrical system. To assure the proper motor size you should refer to the appropriate Application Data Booklet for this product.

SILENTVANE™

SELECTION AND APPLICATION

The minimum motor sizes indicated in the fan performance data are based upon the use of standard, open dripproof or enclosed, normal torque motors for across-the-line starting. The use of other motors for reduced voltage starting, high or low starting torques, designed with high inertia capabilities, etc., should be checked to be sure they will start and accelerate the fan without overheating the motor or overloading the electrical circuit. The motors listed in the performance data have been selected based on one start per day and operation in an ambient temperature not exceeding 104°F (40°C). More frequent starting or operation in higher temperatures will probably require a motor larger than the minimum sizes listed.

Motor recommendations for fan sizes 3037 through 3081 are based on the use of four pole, 1800 RPM motors. Under certain operating conditions it may be possible to use motors smaller than those listed in the performance tables. The selection of smaller motors should be reviewed with the motor supplier.

In general, smaller fans do not present a starting problem. Hence, when a fractional horsepower is used, its starting and accelerating characteristics should be carefully checked.

A directly driven fan requires a larger motor to bring it up to its operating speed than a belt driven unit. The required inertia capability of the motor to start a fan and accelerate it, varies as the square of the fan-motor speed ratio. Belt driven arrangements are advantageous for the motor since a relatively low motor inertia capability is required due to the effect of the square of the fan-motor speed ratio. However, a fan directly connected to a motor does not have this speed difference and the mechanical advantage of the drive ratio is nonexistent. The driving motor must, of necessity, be larger than that indicated in the performance tables and should be reviewed with the motor supplier.

Whenever inlet vanes or outlet dampers are used, the starting load and motor heating are reduced, if such devices are kept closed until after the fan has accelerated to operating speed.

CORRECTION OF FAN PERFORMANCE FOR OTHER THAN STANDARD AIR CONDITIONS

Air volumes to be handled by the fan must be calculated to satisfy the application. A fan operating on a given system at a given speed is a constant volume machine. The density of air entering the fan (affected by temperature and/or altitude) can vary, but the air volume delivered will remain unchanged. The system resistance, the fan pressure capability and brake horsepower will vary directly with the air density.

In general practice, the design system resistance is calculated in the usual manner using standard air density and the fan pressure requirements are determined for "standard" conditions. This is sometimes known as the equivalent pressure (SP_E). Select the fan from the catalog in the normal manner using the equivalent pressure (SP_E), noting the fan RPM and BHP. As indicated by fan law #2, the design air volume and selected fan speed will remain unchanged, but the fan pressure and horsepower will vary with the air density. The system resistance will also vary with the air density.

The design of many systems involves the calculation and specification of air quantities by weight as in product drying or combustion. Before a fan can be selected, the air quantity must be converted to an air volume based upon actual air density entering the fan inlet. The system resistance equivalent static pressure (SP_E) must be determined using the air volume. The fan selection is now made from the catalog using the calculated air volume and the equivalent static pressure (SP_E). Fan brake horsepower corrections are made for air density variations as indicated under Fan Law #2C.

For ease in calculations the table to follow contains air density ratios for temperatures from -20°F to 800°F (-29°C to 427°C) and barometric pressures from 29.92" to 20.58" Hg (760 mm to 536 mm Hg).

FAN LAWS

Two basic fan laws relate performance variables for any fan of a given design (such as the 3000 Series). An understanding of these relationships is necessary to select fans when they are handling air or gas which is different than standard or when fan performance adjustments must be made on existing systems.

Both of these laws apply to a given unchanged duct system.

FAN LAW #1

SPEED VARIABLE - CONSTANT AIR DENSITY

- A. Volume (CFM)...Varies directly as the ratio of the speeds.

$$CFM_2 = CFM_1 \times \left(\frac{RPM_2}{RPM_1} \right)$$

- B. Pressure (SP or TP)...Varies directly as the square of the speed ratio.

$$Pressure_2 = Pressure_1 \times \left(\frac{RPM_2}{RPM_1} \right)^2$$

- C. Power...Varies directly as the cube of the speed ratio.

$$BHP_2 = BHP_1 \times \left(\frac{RPM_2}{RPM_1} \right)^3$$

FAN LAW #2

AIR DENSITY VARIABLE - CONSTANT SPEED

- A. Volume (CFM)...Remains unchanged

- B. Pressure (SP or TP)...Varies directly as the ratio of the air densities.

$$Pressure_2 = Pressure_1 \times \left(\frac{Air\ Density_2}{Air\ Density_1} \right)$$

- C. Power...Varies directly as the ratio of the air densities.

$$BHP_2 = BHP_1 \times \left(\frac{Air\ Density_2}{Air\ Density_1} \right)$$

3000 SERIES

SELECTION AND APPLICATION

SAMPLE SELECTION

A size 3037 DWDI fan must deliver 38,475 CFM (18.16 m³/sec) at 6.00 inches wg (1490 Pa) static pressure. The fan must perform at an altitude of 7000 feet (2134 m) with air entering the fan inlet at 150°F (66°C).

1. Obtain the density factor from the table below. For 150°F (66°C) at an altitude of 7000 feet (2134 m), the factor is 1.49 → 1.50.
2. Convert the static pressure for new conditions:
6 x 1.5 = 9.00" equivalent static pressure (SP_E)
3. Use the specified air volume and equivalent static pressure (SP_E) to obtain the fan speed and brake horsepower requirements from the fan table.

From the performance table on page 43, a size 3037 DWDI fan delivering 38,475 CFM (18.16 m³/sec) at a static pressure of 9.00" (2235 Pa) must operate at 1329 RPM and requires 70 BHP.

4. The RPM is correct as selected from the performance table (when elevated temperatures are involved, check the maximum allowable RPM, at the top of the capacity table), the brake horsepower requirements must be converted to reflect the change in power required because of the change in air density.

Divide the tabular horsepower from step 3 by the conversion factor from step 1:

$$\text{BHP} = 70 \div 1.5 = 46.7$$

5. Check specifications to determine if the fan will be expected to operate at lower temperatures (such as at start-up of a system). If it is, check the horsepower required at this lower temperature.

Assume the system will start with the fan handling air at 70°F (21°C).

- a. Conversion ratio for 7000 feet (2134 m) altitude and 70°F (21°C) temperature = 1.30.
- b. Convert the brake horsepower:
70 ÷ 1.3 = 53.8
- c. Select a motor based on a maximum horsepower requirement of 53.8 BHP → 60 HP.

AIR DENSITY RATIOS AT VARIOUS ALTITUDES AND AIR TEMPERATURES

Air Gas Temp °F	Altitude In Ft. Above Sea Level With Corresponding Barometric Pressure in Inches Hg.											Air Gas Temp °F	Altitude In Ft. Above Sea Level With Corresponding Barometric Pressure in Inches Hg.										
	0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000		0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
	29.92	28.86	27.82	26.81	25.84	24.89	23.98	23.09	22.22	21.38	20.58		29.92	28.86	27.82	26.81	25.84	24.89	23.98	23.09	22.22	21.38	20.58
-20	0.83	0.86	0.89	0.93	0.96	1.00	1.04	1.08	1.12	1.16	1.21	350	1.53	1.59	1.65	1.71	1.77	1.84	1.91	1.98	2.06	2.14	2.22
0	0.87	0.91	0.94	0.97	1.01	1.04	1.08	1.13	1.17	1.22	1.26	400	1.62	1.68	1.75	1.81	1.88	1.95	2.03	2.10	2.18	2.27	2.36
50	0.96	1.00	1.04	1.07	1.11	1.16	1.20	1.25	1.30	1.35	1.40	450	1.72	1.78	1.85	1.92	1.99	2.07	2.15	2.23	2.31	2.40	2.49
70	1.00	1.04	1.08	1.12	1.16	1.20	1.25	1.30	1.35	1.40	1.45	500	1.81	1.88	1.95	2.02	2.10	2.18	2.26	2.35	2.44	2.54	2.63
100	1.06	1.10	1.14	1.18	1.22	1.27	1.32	1.37	1.42	1.48	1.54	550	1.91	1.98	2.05	2.13	2.20	2.29	2.38	2.47	2.56	2.67	2.77
150	1.15	1.19	1.24	1.30	1.33	1.38	1.44	1.49	1.55	1.61	1.67	600	2.00	2.08	2.15	2.23	2.32	2.40	2.50	2.59	2.69	2.84	2.91
200	1.25	1.29	1.34	1.39	1.44	1.50	1.56	1.61	1.68	1.75	1.81	650	2.10	2.17	2.25	2.34	2.43	2.52	2.62	2.72	2.83	2.93	3.05
250	1.34	1.39	1.44	1.50	1.55	1.61	1.67	1.74	1.80	1.88	1.95	700	2.19	2.27	2.35	2.44	2.53	2.63	2.73	2.83	2.94	3.07	3.18
300	1.44	1.49	1.54	1.60	1.66	1.72	1.79	1.86	1.93	2.01	2.08	800	2.38	2.46	2.55	2.65	2.75	2.86	2.97	3.08	3.20	3.32	3.45

Air Gas Temp °C	Altitude in Meters Above Sea Level With Corresponding Barometric Pressure in Millimeters Hg.											Air Gas Temp °C	Altitude in Meters Above Sea Level With Corresponding Barometric Pressure in Millimeters Hg.										
	0	250	500	750	1000	1250	1500	1750	2000	2500	3000		0	250	500	750	1000	1250	1500	1750	2000	2500	3000
	760	738	717	697	677	657	639	620	603	569	536		760	738	717	697	677	657	639	620	603	569	536
0	0.93	0.95	0.98	1.01	1.04	1.08	1.10	1.14	1.16	1.23	1.32	250	1.79	1.82	1.89	1.92	2.00	2.04	2.13	2.17	2.22	2.38	2.50
21	1.00	1.03	1.05	1.09	1.12	1.15	1.19	1.22	1.27	1.33	1.41	275	1.85	1.92	1.96	2.04	2.08	2.13	2.22	2.27	2.33	2.50	2.63
50	1.10	1.12	1.16	1.19	1.23	1.27	1.30	1.33	1.39	1.47	1.56	300	1.96	2.00	2.04	2.13	2.17	2.22	2.33	2.38	2.44	2.63	2.78
75	1.18	1.22	1.25	1.28	1.33	1.37	1.41	1.45	1.49	1.59	1.67	325	2.04	2.08	2.13	2.22	2.27	2.33	2.44	2.50	2.56	2.70	2.86
100	1.27	1.30	1.33	1.39	1.43	1.47	1.52	1.54	1.59	1.69	1.79	350	2.13	2.17	2.22	2.33	2.38	2.44	2.50	2.56	2.63	2.86	3.03
125	1.35	1.39	1.43	1.47	1.52	1.56	1.61	1.67	1.69	1.82	1.92	375	2.17	2.27	2.33	2.38	2.44	2.56	2.63	2.70	2.78	2.94	3.13
150	1.43	1.47	1.52	1.56	1.61	1.67	1.69	1.75	1.82	1.92	2.04	400	2.27	2.33	2.44	2.50	2.56	2.63	2.70	2.78	2.86	3.03	3.23
175	1.52	1.56	1.61	1.67	1.69	1.75	1.82	1.85	1.92	2.04	2.17	425	2.38	2.44	2.50	2.56	2.63	2.70	2.86	2.94	3.03	3.13	3.33
200	1.61	1.64	1.69	1.75	1.79	1.85	1.92	1.96	2.04	2.13	2.27	450	2.44	2.50	2.63	2.70	2.78	2.86	2.94	3.03	3.13	3.23	3.45
225	1.69	1.72	1.79	1.85	1.89	1.96	2.00	2.08	2.13	2.27	2.38	475	2.56	2.63	2.70	2.78	2.86	2.94	3.03	3.13	3.23	3.45	3.57

TEMPERATURE/RPM CORRECTIONS

Maximum allowable class speeds shown above each fan performance table refer to fans of standard construction operating at 70°F (21°C). Since the strength of steel decreases appreciably with temperature rise, maximum allowable speeds must be corrected accordingly.

Reduce maximum allowable fan speed by applying RPM correction factors from the following table.

TEMPERATURE/RPM CORRECTION FACTORS				
TEMP	-20°F - 150°F (-29°C - 66°C)	151°F - 300°F (66°C - 149°C)	301°F - 600°F (149°C - 316°C)	601°F - 800°F (316°C - 427°C)
FACTOR	1.0	0.957	0.880	0.790

SILENTVANE™

SIZE 3012 SINGLE WIDTH SINGLE INLET

MAXIMUM CLASS OPERATING RPM FAN TEMPERATURE

Wheel Diameter	12.25 inches	311 mm
Wheel Circumference	3.21 feet	.9784 m
Inlet Diameter/Area	13.5 inches dia./ .99 sq. ft.	343 mm/.0920 m ²
Outlet Size/Area	12.79 x 9.60 inches I.D./ .85 sq. ft.	325 x 244 mm/.0790 m ²
Tip Speed	3.21 x RPM ft./minute	.9779 x RPM m/minute
Maximum BHP	.066 x (RPM ÷ 1000) ³ BHP	.0492 x (RPM ÷ 1000) ³ kW

SIZE 3012	-20° to 150°F	-29° to 66°C
CLASS I	3467	
CLASS II	4523	
CLASS III	—	
CLASS IV	—	

VOL CFM	OV FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP										
688	800	926	0.06	1007	0.07	1079	0.09	1152	0.11	1220	0.13	1285	0.15	1350	0.17						
774	900	1006	0.07	1076	0.09	1146	0.11	1210	0.13	1276	0.15	1337	0.17	1395	0.19	1511	0.23				
860	1000	1088	0.09	1150	0.11	1215	0.13	1277	0.15	1335	0.17	1394	0.19	1451	0.21	1556	0.26	1661	0.31		
946	1100	1171	0.11	1230	0.13	1285	0.15	1346	0.17	1402	0.19	1455	0.22	1507	0.24	1612	0.29	1707	0.34	1803	0.40
1032	1200	1256	0.13	1312	0.15	1364	0.17	1416	0.20	1470	0.22	1522	0.25	1572	0.27	1668	0.33	1762	0.38	1850	0.44
1118	1300	1342	0.15	1395	0.18	1444	0.20	1491	0.23	1540	0.26	1591	0.28	1639	0.31	1729	0.37	1819	0.42	1905	0.48
1204	1400	1428	0.18	1479	0.21	1526	0.24	1571	0.26	1614	0.29	1661	0.32	1708	0.35	1796	0.41	1878	0.47	1962	0.53
1290	1500	1515	0.22	1564	0.25	1609	0.28	1653	0.30	1694	0.33	1734	0.36	1778	0.39	1864	0.46	1944	0.52	2020	0.58
1376	1600	1602	0.26	1650	0.29	1693	0.32	1735	0.35	1775	0.38	1813	0.41	1851	0.44	1933	0.51	2012	0.57	2086	0.64
1462	1700	1691	0.30	1736	0.33	1778	0.36	1818	0.40	1857	0.43	1894	0.46	1930	0.49	2003	0.56	2081	0.63	2154	0.70
1548	1800	1779	0.35	1823	0.38	1864	0.42	1903	0.45	1940	0.48	1976	0.52	2011	0.55	2077	0.62	2150	0.70	2222	0.77
1634	1900	1869	0.40	1910	0.43	1950	0.47	1987	0.51	2023	0.54	2058	0.58	2092	0.62	2157	0.69	2221	0.77	2291	0.84
1720	2000	1958	0.46	1998	0.49	2036	0.53	2073	0.57	2108	0.61	2142	0.65	2174	0.69	2238	0.76	2298	0.84	2362	0.92
1892	2200	2138	0.59	2175	0.63	2211	0.67	2245	0.72	2279	0.76	2310	0.80	2341	0.84	2401	0.93	2458	1.01	2513	1.10
2064	2400	2320	0.75	2354	0.79	2387	0.84	2419	0.89	2451	0.93	2481	0.98	2511	1.03	2567	1.12	2622	1.21	2674	1.30
2236	2600	2502	0.93	2534	0.98	2565	1.03	2595	1.08	2625	1.13	2654	1.19	2682	1.24	2736	1.33	2788	1.43	2838	1.53
2408	2800	2685	1.15	2714	1.20	2744	1.25	2772	1.31	2800	1.36	2828	1.42	2855	1.47	2906	1.58	2956	1.69	3004	1.79
2580	3000	2868	1.39	2896	1.45	2924	1.51	2950	1.57	2977	1.62	3003	1.68	3029	1.74	3079	1.86	3126	1.97	3172	2.09
2752	3200	3052	1.67	3078	1.74	3104	1.80	3130	1.86	3155	1.92	3180	1.98	3204	2.04	3252	2.17	3298	2.30	3341	2.41
2924	3400	3236	1.99	3261	2.06	3286	2.12	3310	2.19	3334	2.25	3357	2.32	3380	2.38	3426	2.52	3470	2.65	3513	2.78
3096	3600	3421	2.35	3445	2.42	3468	2.48	3491	2.55	3514	2.62	3536	2.69	3558	2.76	3601	2.90	3644	3.04	3685	3.18

VOL CFM	OV FPM	2" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP		6 1/2" SP	
		RPM	BHP	RPM	BHP																
946	1100	1894	0.46																		
1032	1200	1938	0.50																		
1118	1300	1987	0.54	2148	0.67																
1204	1400	2042	0.60	2192	0.73	2342	0.87														
1290	1500	2099	0.65	2247	0.79	2386	0.94	2524	1.09												
1376	1600	2157	0.71	2302	0.86	2437	1.01	2567	1.16	2696	1.33										
1462	1700	2223	0.78	2359	0.93	2492	1.08	2616	1.24	2739	1.41	2860	1.58								
1548	1800	2290	0.85	2418	1.00	2548	1.17	2671	1.33	2786	1.50	2903	1.68	3017	1.86	3126	2.05				
1634	1900	2359	0.92	2484	1.09	2605	1.25	2727	1.42	2841	1.60	2949	1.78	3061	1.97	3169	2.16	3273	2.36		
1720	2000	2428	1.01	2552	1.17	2667	1.35	2783	1.52	2897	1.71	3004	1.89	3107	2.08	3213	2.28	3316	2.48	3415	2.69
1892	2200	2568	1.19	2688	1.37	2800	1.55	2906	1.74	3010	1.93	3116	2.13	3217	2.33	3314	2.54	3406	2.75	3502	2.96
2064	2400	2725	1.39	2828	1.59	2937	1.78	3040	1.98	3138	2.19	3231	2.40	3329	2.61	3425	2.83	3517	3.05	3605	3.27
2236	2600	2886	1.63	2979	1.83	3077	2.04	3177	2.26	3272	2.47	3363	2.69	3451	2.92	3538	3.15	3629	3.38	3716	3.62
2408	2800	3050	1.90	3139	2.11	3224	2.33	3316	2.56	3409	2.79	3499	3.02	3584	3.26	3667	3.50	3747	3.74	3829	3.99
2580	3000	3216	2.20	3302	2.43	3384	2.66	3462	2.90	3549	3.14	3636	3.38	3720	3.63	3801	3.88	3879	4.14	3955	4.40
2752	3200	3384	2.53	3466	2.78	3545	3.02	3621	3.27	3695	3.52	3776	3.78	3858	4.04	3937	4.31	4014	4.57	4088	4.84
2924	3400	3554	2.91	3633	3.16	3709	3.42	3783	3.68	3853	3.95	3922	4.21	3998	4.49	4076	4.76	4151	5.04	4224	5.33
3096	3600	3725	3.32	3801	3.59	3875	3.86	3946	4.13	4014	4.41	4081	4.69	4146	4.97	4216	5.26	4290	5.55	4361	5.85

VOL CFM	OV FPM	7" SP		8" SP		9" SP		10" SP		11" SP		12" SP		13" SP		14" SP		15" SP		16" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2064	2400	3690	3.50	3865	3.97	4034	4.46														
2236	2600	3801	3.85	3962	4.34	4121	4.84	4281	5.36	4433	5.89										
2408	2800	3913	4.24	4072	4.75	4223	5.27	4368	5.80	4519	6.35										
2580	3000	4029	4.65	4185	5.19	4334	5.73	4476	6.29												
2752	3200	4161	5.11	4300	5.66	4446	6.23														
2924	3400	4295	5.61	4431	6.18																
3096	3600	4431	6.15																		

Underlined figures in columns approximate Max. Static Efficiency and Quietest Selection. CL. I □ CL. II □ CL. III □ CL. IV □
Refer to factors on page 54 to convert numbers above to the desired metric units.
The standard AMCA class range is shown by the shaded areas. Standard carbon steel fans may be used up to the Maximum Design RPM as listed above for each fan class.
For minimum motor size required see "Fan Starting Requirements," page 9.
If the Maximum Safe Operating RPM is not shown, consult the factory.
Performance certified is for Installation Type B - Free Inlet, Ducted Outlet.
Performance ratings do not include the effects of appurtenances. Power rating does not include transmission losses.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70 F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

3000 SERIES

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

SINGLE WIDTH
SINGLE INLET

SIZE 3013

SIZE 3013	-20° to 150°F -29° to 66°C
CLASS I	3158
CLASS II	4120
CLASS III	—
CLASS IV	—

Wheel Diameter	13.50 inches	343 mm
Wheel Circumference	3.53 feet	1.076 m
Inlet Diameter/Area	14.75 inches dia./1.19 sq. ft.	375 mm/.1106 m ²
Outlet Size/Area	14.10 x 10.73 inches I.D./1.05 sq. ft.	358 x 273 mm/.0975 m ²
Tip Speed	3.53 x RPM ft./minute	1.075 x RPM m/minute
Maximum BHP	.108 x (RPM ÷ 1000) ³ BHP	.0329 x (RPM ÷ 1000) ³ kW

VOL CFM	OV FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP			
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP												
840	800	843	0.07	916	0.09	982	0.11	1048	0.13	1109	0.15	1168	0.18	1226	0.20	1273	0.22	1319	0.26	1373	0.32	1415	0.38
945	900	916	0.08	979	0.11	1043	0.13	1101	0.15	1160	0.18	1216	0.20	1268	0.23	1319	0.26	1373	0.32	1415	0.38	1465	0.42
1050	1000	991	0.11	1047	0.13	1106	0.15	1162	0.18	1215	0.21	1267	0.23	1319	0.26	1373	0.32	1415	0.38	1465	0.42	1510	0.48
1155	1100	1067	0.13	1120	0.16	1170	0.18	1225	0.21	1276	0.24	1324	0.27	1371	0.30	1415	0.36	1465	0.42	1510	0.48	1552	0.54
1260	1200	1144	0.16	1195	0.19	1242	0.21	1289	0.24	1338	0.27	1385	0.30	1430	0.34	1476	0.38	1521	0.42	1566	0.46	1610	0.50
1365	1300	1223	0.19	1271	0.22	1316	0.25	1358	0.28	1402	0.31	1448	0.35	1491	0.38	1533	0.42	1573	0.45	1610	0.48	1645	0.52
1470	1400	1301	0.23	1348	0.26	1391	0.29	1431	0.32	1470	0.36	1512	0.39	1554	0.43	1593	0.46	1630	0.50	1666	0.54	1700	0.57
1575	1500	1381	0.27	1425	0.30	1466	0.34	1506	0.37	1543	0.41	1579	0.45	1618	0.48	1656	0.52	1693	0.56	1729	0.60	1766	0.64
1680	1600	1461	0.31	1504	0.35	1543	0.39	1581	0.43	1617	0.46	1652	0.50	1685	0.54	1719	0.58	1752	0.62	1784	0.66	1815	0.70
1785	1700	1541	0.37	1582	0.41	1621	0.45	1657	0.49	1692	0.53	1725	0.57	1758	0.61	1789	0.65	1819	0.69	1848	0.73	1876	0.77
1890	1800	1622	0.43	1661	0.47	1699	0.51	1734	0.55	1767	0.59	1800	0.64	1832	0.68	1863	0.72	1892	0.76	1920	0.80	1947	0.84
1995	1900	1704	0.49	1741	0.54	1777	0.58	1811	0.62	1844	0.67	1875	0.71	1906	0.76	1936	0.80	1965	0.85	1992	0.89	2019	0.94
2100	2000	1785	0.56	1821	0.61	1856	0.66	1889	0.70	1921	0.75	1951	0.80	1981	0.84	2009	0.88	2036	0.92	2062	0.96	2088	1.00
2310	2200	1950	0.72	1983	0.78	2015	0.83	2047	0.88	2077	0.93	2105	0.98	2133	1.04	2159	1.09	2184	1.14	2209	1.19	2233	1.24
2520	2400	2115	0.92	2146	0.98	2176	1.03	2205	1.09	2234	1.15	2262	1.21	2288	1.26	2313	1.31	2337	1.36	2360	1.41	2382	1.46
2730	2600	2281	1.15	2310	1.21	2338	1.27	2366	1.33	2393	1.39	2419	1.46	2445	1.52	2470	1.57	2494	1.62	2518	1.67	2541	1.72
2940	2800	2448	1.41	2475	1.48	2502	1.54	2527	1.61	2553	1.68	2578	1.74	2602	1.81	2626	1.87	2649	1.94	2671	2.00	2693	2.07
3150	3000	2616	1.72	2641	1.79	2666	1.86	2690	1.93	2714	2.00	2738	2.07	2761	2.14	2784	2.21	2806	2.29	2828	2.36	2849	2.43
3360	3200	2784	2.06	2807	2.14	2831	2.21	2854	2.29	2877	2.36	2899	2.44	2921	2.52	2943	2.60	2964	2.67	2985	2.75	3006	2.82
3570	3400	2952	2.46	2974	2.53	2996	2.61	3018	2.69	3040	2.77	3061	2.85	3082	2.93	3103	3.01	3123	3.10	3143	3.18	3163	3.26
3780	3600	3120	2.90	3142	2.98	3163	3.06	3183	3.15	3204	3.23	3224	3.32	3244	3.40	3263	3.48	3283	3.57	3302	3.65	3322	3.74

VOL CFM	OV FPM	2" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP		6 1/2" SP			
		RPM	BHP	RPM	BHP																		
1155	1100	1721	0.56	1912	0.76	2128	1.06	2293	1.33	2449	1.62	2599	1.93	2702	2.15	2840	2.50	2974	2.88	3103	3.28	3238	3.62
1260	1200	1761	0.61	1952	0.82	2168	1.14	2333	1.42	2489	1.72	2638	2.05	2742	2.27	2880	2.64	2997	3.03	3116	3.36	3250	3.70
1365	1300	1806	0.67	1992	0.89	2215	1.23	2378	1.52	2533	1.83	2681	2.18	2784	2.40	2921	2.78	3037	3.16	3156	3.50	3288	3.94
1470	1400	1857	0.73	2043	0.97	2266	1.32	2428	1.63	2583	1.96	2731	2.31	2834	2.54	2971	2.92	3087	3.30	3206	3.64	3338	4.08
1575	1500	1909	0.80	2094	1.05	2317	1.42	2478	1.72	2630	2.05	2777	2.39	2879	2.62	3016	2.99	3132	3.33	3251	3.67	3383	4.12
1680	1600	1962	0.87	2145	1.13	2369	1.53	2529	1.83	2681	2.18	2828	2.51	2929	2.75	3066	3.12	3181	3.46	3300	3.80	3432	4.26
1785	1700	2023	0.95	2200	1.23	2426	1.65	2583	1.96	2731	2.31	2877	2.64	2978	2.88	3114	3.25	3229	3.59	3348	3.93	3480	4.40
1890	1800	2084	1.04	2261	1.33	2486	1.76	2644	2.13	2792	2.46	2939	2.80	3040	3.14	3156	3.48	3271	3.82	3386	4.16	3518	4.54
1995	1900	2146	1.13	2322	1.44	2547	1.87	2706	2.23	2855	2.56	2999	2.93	3100	3.27	3216	3.61	3331	3.95	3446	4.29	3578	4.72
2100	2000	2209	1.23	2383	1.54	2608	2.00	2768	2.30	2917	2.63	3060	2.97	3161	3.31	3277	3.65	3392	4.00	3507	4.34	3639	4.76
2310	2200	2338	1.45	2547	1.67	2768	2.18	2939	2.51	3092	2.84	3235	3.17	3336	3.51	3451	3.85	3566	4.19	3681	4.53	3806	4.97
2520	2400	2482	1.71	2714	1.94	2943	2.25	3114	2.58	3271	2.91	3418	3.24	3523	3.58	3638	3.92	3753	4.26	3868	4.60	3993	5.04
2730	2600	2629	2.00	2912	2.25	3183	2.50	3362	2.84	3511	3.17	3660	3.50	3765	3.84	3880	4.18	3995	4.52	4110	4.86	4225	5.28
2940	2800	2779	2.33	3008	2.59	3230	2.86	3409	3.14	3558	3.42	3707	3.70	3812	3.99	3927	4.27	4042	4.55	4157	4.83	4272	5.20
3150	3000	2930	2.70	3088	2.98	3302	3.26	3481	3.55	3630	3.85	3779	4.15	3884	4.45	3999	4.74	4114	5.03	4229	5.31	4344	5.69
3360	3200	3084	3.11	3158	3.41	3371	3.71	3550	4.01	3699	4.32	3847	4.63	3952	4.95	4067	5.27	4182	5.56	4297	5.84	4412	6.20
3570	3400	3239	3.58	3310	3.89	3503	4.20	3692	4.52	3841	4.84	3990	5.17	4095	5.50	4210	5.84	4325	6.12	4440	6.40	4555	6.74
3780	3600	3395	4.09	3464	4.41	3657	4.74	3846	5.08	4005	5.41	4154	5.76	4259	6.10	4374	6.45	4489	6.74	4604	7.02	4719	7.36

VOL CFM	OV FPM	7" SP		8" SP		9" SP		10" SP		11" SP		12" SP		13" SP		14" SP		15" SP		16" SP			
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP		
2520	2400	3355	4.28	3512	4.85	3666	5.44	3811	6.04	3956	6.63	4101	7.22	4246	7.81	4391	8.40	4536	8.99	4681	9.58	4826	10.17
2730	2600	3456	4.71	3602	5.30	3745	5.91	3890	6.55	4035	7.19	4180	7.83	4325	8.47	4470	9.11	4615	9.75	4760	10.39	4905	10.97
2940	2800	3558	5.18	3703	5.80	3840	6.44	3970	7.08	4115	7.76	4260	8.40	4405	9.04	4550	9.68	4695	10.32	4840	10.96	4985	11.54
3150	3000	3665	5.70	3805	6.35	3941	7.01	4070	7.68	4215	8.32	4360	8.96	4505	9.60	4650	10.24	479					

SILENTVANE™

SIZE 3015 SINGLE WIDTH SINGLE INLET

MAXIMUM CLASS OPERATING RPM FAN TEMPERATURE

Wheel Diameter	15.00 inches	381 mm
Wheel Circumference	3.93 feet	1.198 m
Inlet Diameter/Area	16.25 inches dia./1.44 sq. ft.	413 mm/1338 m ²
Outlet Size/Area	15.73 x 11.60 inches I.D./1.27 sq. ft.	400 x 295 mm/1.180 m ²
Tip Speed	3.93 x RPM ft./minute	1.197 x RPM m/minute
Maximum BHP	.183 x (RPM ÷ 1000) ³ BHP	.1365 x (RPM ÷ 1000) ³ kW

SIZE 3015	-20° to 150°F	-29° to 66°C
CLASS I	2782	
CLASS II	3629	
CLASS III	—	
CLASS IV	—	

VOL CFM	OV FPM	1" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1008	800	745	0.08	812	0.10	873	0.13	933	0.16	988	0.18	1043	0.21	1096	0.24						
1134	900	808	0.10	867	0.13	925	0.15	978	0.18	1032	0.21	1083	0.24	1131	0.27	1227	0.34				
1260	1000	873	0.12	924	0.15	979	0.18	1030	0.21	1078	0.24	1127	0.28	1174	0.31	1262	0.38	1349	0.46		
1386	1100	939	0.15	988	0.18	1035	0.21	1085	0.25	1131	0.28	1175	0.32	1219	0.35	1305	0.43	1384	0.50	1464	0.59
1512	1200	1007	0.18	1053	0.22	1096	0.25	1140	0.29	1185	0.32	1228	0.36	1269	0.40	1349	0.48	1427	0.56	1499	0.64
1638	1300	1075	0.22	1119	0.26	1160	0.29	1199	0.33	1241	0.37	1282	0.41	1322	0.45	1396	0.53	1472	0.62	1543	0.71
1764	1400	1143	0.26	1186	0.30	1225	0.34	1262	0.38	1298	0.42	1338	0.46	1377	0.50	1449	0.59	1517	0.68	1587	0.77
1890	1500	1213	0.31	1253	0.35	1291	0.39	1327	0.43	1361	0.48	1394	0.52	1432	0.57	1503	0.66	1569	0.75	1633	0.85
2016	1600	1282	0.36	1322	0.41	1358	0.45	1392	0.50	1425	0.54	1457	0.59	1488	0.63	1558	0.73	1623	0.83	1684	0.93
2142	1700	1353	0.42	1390	0.47	1425	0.52	1458	0.56	1490	0.61	1521	0.66	1551	0.71	1614	0.81	1677	0.91	1737	1.02
2268	1800	1423	0.49	1459	0.54	1493	0.59	1525	0.64	1556	0.69	1586	0.74	1615	0.79	1670	0.90	1733	1.01	1792	1.12
2394	1900	1494	0.56	1529	0.62	1562	0.67	1593	0.72	1623	0.78	1652	0.83	1680	0.88	1733	0.99	1789	1.10	1847	1.22
2520	2000	1566	0.64	1599	0.70	1631	0.76	1661	0.81	1690	0.87	1718	0.92	1745	0.98	1797	1.09	1847	1.21	1902	1.33
2772	2200	1709	0.83	1740	0.89	1770	0.95	1798	1.02	1826	1.08	1852	1.14	1878	1.20	1927	1.32	1974	1.45	2020	1.58
3024	2400	1854	1.05	1882	1.12	1910	1.19	1937	1.26	1963	1.33	1988	1.39	2012	1.46	2059	1.59	2104	1.73	2148	1.86
3276	2600	1999	1.31	2025	1.38	2051	1.46	2077	1.53	2101	1.61	2125	1.68	2149	1.75	2193	1.90	2236	2.04	2277	2.19
3528	2800	2145	1.61	2169	1.69	2194	1.77	2218	1.85	2241	1.93	2264	2.01	2286	2.09	2329	2.25	2370	2.40	2409	2.55
3780	3000	2291	1.96	2314	2.04	2337	2.13	2360	2.21	2382	2.30	2403	2.38	2425	2.47	2466	2.64	2505	2.80	2543	2.97
4032	3200	2438	2.35	2460	2.44	2481	2.53	2502	2.62	2523	2.71	2544	2.80	2564	2.89	2604	3.08	2642	3.26	2678	3.43
4284	3400	2585	2.79	2605	2.89	2626	2.98	2646	3.08	2666	3.18	2685	3.27	2705	3.37	2742	3.56	2779	3.76	2814	3.95
4536	3600	2732	3.29	2752	3.39	2771	3.49	2790	3.60	2809	3.70	2828	3.80	2846	3.90	2882	4.11	2917	4.31	2952	4.52

VOL CFM	OV FPM	2" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP		6 1/2" SP	
		RPM	BHP	RPM	BHP																
1512	1200	1573	0.73																		
1638	1300	1609	0.80	1744	0.99																
1764	1400	1653	0.87	1779	1.07	1901	1.27														
1890	1500	1698	0.95	1819	1.15	1936	1.37	2049	1.59												
2016	1600	1744	1.03	1864	1.25	1974	1.47	2084	1.70	2188	1.94										
2142	1700	1795	1.13	1909	1.35	2018	1.58	2119	1.81	2223	2.06	2322	2.32								
2268	1800	1848	1.23	1954	1.46	2062	1.70	2163	1.94	2258	2.19	2356	2.46	2450	2.73						
2394	1900	1902	1.33	2005	1.57	2107	1.82	2207	2.07	2301	2.33	2392	2.60	2484	2.88	2573	3.17				
2520	2000	1957	1.45	2059	1.70	2153	1.95	2252	2.22	2345	2.48	2433	2.76	2519	3.04	2607	3.34	2692	3.63	2773	3.94
2772	2200	2068	1.71	2167	1.97	2259	2.24	2346	2.52	2435	2.81	2522	3.10	2604	3.40	2683	3.70	2762	4.01	2842	4.34
3024	2400	2189	2.00	2278	2.28	2368	2.57	2452	2.87	2533	3.17	2612	3.48	2694	3.80	2772	4.12	2847	4.44	2919	4.77
3276	2600	2318	2.33	2394	2.63	2479	2.94	2561	3.26	2640	3.58	2714	3.90	2786	4.23	2862	4.57	2936	4.92	3008	5.26
3528	2800	2448	2.71	2522	3.03	2592	3.35	2672	3.69	2748	4.03	2822	4.37	2892	4.72	2960	5.07	3027	5.43	3098	5.79
3780	3000	2580	3.14	2651	3.47	2718	3.81	2784	4.16	2859	4.52	2931	4.88	3000	5.25	3066	5.62	3131	5.99	3193	6.37
4032	3200	2713	3.61	2782	3.96	2847	4.33	2910	4.69	2972	5.06	3042	5.44	3109	5.83	3174	6.22	3238	6.61	3299	7.01
4284	3400	2848	4.14	2914	4.51	2977	4.89	3038	5.27	3096	5.66	3154	6.06	3220	6.46	3284	6.87	3346	7.28	3406	7.70
4536	3600	2984	4.72	3048	5.11	3109	5.51	3167	5.91	3224	6.32	3279	6.73	3333	7.15	3396	7.57	3456	8.01	3515	8.44

VOL CFM	OV FPM	7" SP		8" SP		9" SP		10" SP		11" SP		12" SP		13" SP		14" SP		15" SP		16" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3024	2400	2990	5.11	3137	5.81	3275	6.53														
3276	2600	3077	5.62	3209	6.33	3344	7.08	3475	7.85	3599	8.64										
3528	2800	3166	6.17	3297	6.92	3420	7.68	3544	8.48												
3780	3000	3257	6.76	3386	7.55	3508	8.35	3625	9.17												
4032	3200	3358	7.41	3476	8.23	3597	9.07														
4284	3400	3465	8.11	3577	8.96																
4536	3600	3573	8.88																		

Underlined figures in columns approximate Max. Static Efficiency and Quietest Selection. CL. I CL. II CL. III CL. IV

Refer to factors on page 54 to convert numbers above to the desired metric units.

The standard AMCA class range is shown by the shaded areas. Standard carbon steel fans may be used up to the Maximum Design RPM as listed above for each fan class.

For minimum motor size required see "Fan Starting Requirements," page 9.

If the Maximum Safe Operating RPM is not shown, consult the factory.

Performance certified is for Installation Type B - Free Inlet, Ducted Outlet.

Performance ratings do not include the effects of appurtenances. Power rating does not include transmission losses.

All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70 F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

3000 SERIES

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

SINGLE WIDTH
SINGLE INLET

SIZE 3016

SIZE 3016	-20° to 150°F -29° to 66°C
CLASS I	2573
CLASS II	3357
CLASS III	—
CLASS IV	—

Wheel Diameter	16.50 inches	419 mm
Wheel Circumference	4.32 feet	1.317 m
Inlet Diameter/Area	18.25 inches dia./1.82 sq. ft.	463 mm/1.691 m ²
Outlet Size/Area	17.23 x 12.98 inches I.D./1.55 sq. ft.	438 x 330 mm/1.440 m ²
Tip Speed	4.32 x RPM ft./minute	1.316 x RPM m/minute
Maximum BHP	.296 x (RPM ÷ 1000) ³ BHP	.2207 x (RPM ÷ 1000) ³ kW

VOL CFM	OV FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP										
1248	800	687	0.10	747	0.13	801	0.16	855	0.19	905	0.23	954	0.26	1002	0.30						
1404	900	747	0.13	799	0.16	851	0.19	899	0.23	947	0.26	993	0.30	1036	0.34	1122	0.42				
1560	1000	807	0.16	853	0.19	902	0.23	948	0.27	991	0.31	1035	0.35	1077	0.39	1155	0.47	1233	0.56		
1716	1100	869	0.19	913	0.23	954	0.27	999	0.31	1041	0.35	1080	0.40	1119	0.44	1196	0.53	1267	0.62	1339	0.72
1872	1200	932	0.23	974	0.27	1012	0.32	1051	0.36	1092	0.41	1130	0.45	1167	0.50	1238	0.59	1308	0.69	1373	0.80
2028	1300	996	0.28	1035	0.32	1072	0.37	1107	0.42	1143	0.46	1181	0.51	1217	0.56	1284	0.66	1350	0.77	1415	0.88
2184	1400	1060	0.33	1098	0.38	1133	0.43	1166	0.48	1198	0.53	1233	0.58	1268	0.63	1333	0.74	1394	0.85	1456	0.97
2340	1500	1124	0.40	1161	0.45	1195	0.50	1227	0.55	1258	0.60	1287	0.66	1320	0.71	1384	0.83	1443	0.94	1500	1.06
2496	1600	1189	0.46	1225	0.52	1257	0.58	1288	0.63	1318	0.69	1346	0.74	1374	0.80	1435	0.92	1494	1.04	1549	1.16
2652	1700	1255	0.54	1289	0.60	1320	0.66	1350	0.72	1378	0.78	1406	0.84	1433	0.90	1487	1.02	1545	1.15	1599	1.28
2808	1800	1321	0.63	1353	0.69	1384	0.75	1412	0.82	1440	0.88	1467	0.94	1493	1.00	1542	1.13	1596	1.26	1650	1.40
2964	1900	1387	0.72	1418	0.79	1448	0.86	1475	0.92	1502	0.99	1528	1.05	1553	1.12	1601	1.25	1649	1.39	1701	1.53
3120	2000	1454	0.83	1483	0.90	1512	0.97	1539	1.04	1565	1.11	1590	1.17	1614	1.24	1661	1.38	1706	1.53	1753	1.67
3432	2200	1587	1.07	1615	1.14	1641	1.22	1667	1.30	1691	1.38	1715	1.45	1738	1.53	1782	1.68	1825	1.83	1866	1.99
3744	2400	1722	1.35	1747	1.44	1772	1.52	1796	1.61	1819	1.69	1842	1.78	1864	1.86	1906	2.02	1946	2.19	1985	2.36
4056	2600	1857	1.69	1881	1.78	1904	1.87	1926	1.96	1948	2.06	1970	2.15	1991	2.24	2031	2.42	2069	2.59	2106	2.77
4368	2800	1993	2.08	2015	2.18	2037	2.27	2058	2.37	2079	2.47	2099	2.57	2119	2.67	2158	2.87	2194	3.06	2230	3.25
4680	3000	2129	2.53	2150	2.63	2170	2.74	2190	2.84	2210	2.95	2229	3.05	2248	3.16	2285	3.37	2320	3.58	2354	3.78
4992	3200	2266	3.04	2285	3.15	2304	3.26	2323	3.37	2342	3.48	2360	3.59	2378	3.71	2414	3.94	2448	4.16	2480	4.38
5304	3400	2402	3.61	2421	3.73	2439	3.85	2457	3.97	2475	4.08	2492	4.20	2509	4.32	2543	4.56	2576	4.81	2608	5.05
5616	3600	2540	4.26	2557	4.38	2574	4.51	2591	4.63	2608	4.76	2625	4.88	2641	5.01	2673	5.26	2705	5.52	2736	5.78

VOL CFM	OV FPM	2" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2"		6" SP		6 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1716	1100	1406	0.83																		
1872	1200	1439	0.90																		
2028	1300	1475	0.99	1595	1.22																
2184	1400	1516	1.08	1627	1.32	1739	1.58														
2340	1500	1558	1.18	1668	1.43	1771	1.70	1873	1.97												
2496	1600	1601	1.29	1709	1.55	1809	1.82	1906	2.11	2001	2.40										
2652	1700	1650	1.41	1751	1.68	1850	1.96	1942	2.25	2034	2.56	2123	2.87								
2808	1800	1700	1.54	1795	1.82	1892	2.11	1983	2.41	2068	2.72	2156	3.05	2240	3.38	2321	3.72				
2964	1900	1751	1.68	1844	1.97	1934	2.27	2024	2.58	2109	2.90	2190	3.23	2272	3.57	2353	3.92	2430	4.28		
3120	2000	1802	1.82	1894	2.13	1980	2.44	2066	2.76	2150	3.09	2230	3.43	2306	3.77	2385	4.13	2462	4.50	2535	4.87
3432	2200	1906	2.15	1996	2.48	2079	2.81	2157	3.16	2235	3.51	2313	3.87	2388	4.23	2460	4.60	2529	4.98	2600	5.37
3744	2400	2023	2.53	2099	2.88	2180	3.23	2257	3.60	2329	3.97	2399	4.35	2472	4.74	2543	5.13	2611	5.53	2676	5.94
4056	2600	2142	2.96	2211	3.33	2284	3.71	2358	4.09	2429	4.49	2497	4.89	2562	5.29	2627	5.71	2694	6.13	2759	6.56
4368	2800	2264	3.44	2330	3.83	2393	4.23	2462	4.64	2531	5.06	2597	5.48	2661	5.91	2722	6.34	2781	6.78	2843	7.23
4680	3000	2387	3.99	2451	4.40	2512	4.82	2570	5.25	2635	5.69	2699	6.14	2762	6.59	2822	7.05	2880	7.51	2936	7.97
4992	3200	2512	4.60	2573	5.03	2632	5.48	2688	5.93	2743	6.39	2803	6.86	2864	7.33	2923	7.81	2980	8.29	3035	8.78
5304	3400	2638	5.27	2697	5.74	2753	6.20	2808	6.68	2861	7.16	2912	7.64	2968	8.14	3025	8.64	3081	9.15	3136	9.66
5616	3600	2765	6.03	2822	6.51	2876	7.00	2929	7.50	2980	8.00	3030	8.51	3078	9.02	3130	9.54	3184	10.07	3238	10.61

VOL CFM	OV FPM	7" SP		8" SP		9" SP		10" SP		11" SP		12" SP		13" SP		14" SP		15" SP		16" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3744	2400	2740	6.35	2869	7.20	2995	8.08														
4056	2600	2822	6.99	2941	7.87	3060	8.78	3178	9.73	3291	10.69										
4368	2800	2905	7.69	3023	8.61	3135	9.55	3243	10.51	3355	11.52										
4680	3000	2991	8.44	3107	9.41	3217	10.40	3323	11.40												
4992	3200	3089	9.27	3192	10.27	3301	11.31														
5304	3400	3188	10.17	3290	11.22																
5616	3600	3289	11.15																		

Underlined figures in columns approximate Max. Static Efficiency and Quietest Selection. CL. I □ CL. II ■ CL. III ■ CL. IV ■
Refer to factors on page 54 to convert numbers above to the desired metric units.
The standard AMCA class range is shown by the shaded areas. Standard carbon steel fans may be used up to the Maximum Design RPM as listed above for each fan class.
For minimum motor size required see "Fan Starting Requirements," page 9.
If the Maximum Safe Operating RPM is not shown, consult the factory.
Performance certified is for Installation Type B - Free Inlet, Ducted Outlet.
Performance ratings do not include the effects of appurtenances. Power rating does not include transmission losses.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70 F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

SILENTVANE™

SIZE 3018 SINGLE WIDTH SINGLE INLET

MAXIMUM CLASS OPERATING RPM FAN TEMPERATURE

Wheel Diameter	18.25 inches	464 mm
Wheel Circumference	4.78 feet	1.457 m
Inlet Diameter/Area	20.0 inches dia./2.18 sq. ft.	508 mm/2025 m ²
Outlet Size/Area	19.04 x 14.35 inches I.D./1.90 sq. ft.	484 x 364 mm/1.765 m ²
Tip Speed	4.78 x RPM ft./minute	1.457 x RPM m/minute
Maximum BHP	.491 x (RPM ÷ 1000) ³ BHP	.3661 x (RPM ÷ 1000) ³ kW

SIZE 3018	-20° to 150°F	-29° to 66°C
CLASS I	2256	
CLASS II	2943	
CLASS III	3708	
CLASS IV	4000	

VOL CFM	OUT VEL	¼" SP		½" SP		¾" SP		1" SP		1½" SP		2" SP		3" SP		4" SP		5" SP		6" SP		8" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1520	800	605	0.11	659	0.14	707	0.17	756	0.21	804	0.25	852	0.29	899	0.33	947	0.37	995	0.41	1042	0.45	1090	0.49
1710	900	653	0.13	704	0.17	749	0.21	795	0.25	837	0.29	880	0.33	920	0.37	953	0.41	995	0.45	1037	0.49	1079	0.53
1900	1000	707	0.16	752	0.20	795	0.25	836	0.29	876	0.33	915	0.37	953	0.41	991	0.45	1029	0.49	1066	0.53	1104	0.57
2090	1100	759	0.20	800	0.24	840	0.29	880	0.33	917	0.38	953	0.42	989	0.47	1025	0.49	1060	0.52	1095	0.55	1130	0.59
2280	1200	812	0.24	853	0.29	891	0.34	927	0.39	960	0.43	996	0.48	1029	0.54	1063	0.58	1096	0.64	1129	0.68	1161	0.72
2470	1300	867	0.29	905	0.34	941	0.39	973	0.44	1008	0.50	1040	0.55	1072	0.60	1103	0.65	1134	0.71	1165	0.76	1195	0.81
2660	1400	920	0.34	959	0.40	992	0.46	1025	0.51	1057	0.57	1088	0.63	1117	0.68	1146	0.73	1174	0.79	1201	0.84	1228	0.89
2850	1500	977	0.41	1012	0.47	1044	0.53	1076	0.59	1107	0.65	1136	0.71	1164	0.77	1191	0.82	1218	0.87	1244	0.92	1270	0.97
3040	1600	1033	0.48	1067	0.54	1097	0.60	1128	0.67	1156	0.73	1185	0.79	1212	0.86	1238	0.92	1263	0.99	1288	1.05	1312	1.11
3230	1700	1089	0.55	1120	0.62	1151	0.69	1180	0.76	1208	0.82	1235	0.89	1261	0.96	1287	1.03	1312	1.09	1337	1.15	1361	1.21
3420	1800	1147	0.64	1176	0.71	1205	0.78	1233	0.86	1260	0.93	1285	1.00	1312	1.07	1336	1.12	1360	1.17	1383	1.21	1405	1.25
3610	1900	1203	0.74	1232	0.81	1260	0.89	1287	0.97	1312	1.04	1337	1.11	1363	1.19	1389	1.24	1413	1.29	1437	1.34	1460	1.39
3800	2000	1260	0.84	1288	0.92	1315	1.00	1341	1.08	1365	1.16	1391	1.24	1413	1.32	1436	1.40	1459	1.48	1481	1.54	1503	1.59
4180	2200	1376	1.09	1401	1.17	1427	1.26	1451	1.35	1473	1.43	1497	1.52	1519	1.61	1543	1.69	1565	1.77	1587	1.84	1608	1.91
4560	2400	1491	1.37	1516	1.47	1539	1.57	1561	1.66	1584	1.76	1605	1.85	1625	1.94	1647	2.03	1667	2.12	1687	2.20	1707	2.28
4940	2600	1608	1.71	1631	1.82	1652	1.92	1673	2.02	1693	2.12	1715	2.23	1735	2.34	1755	2.44	1773	2.54	1791	2.64	1809	2.74
5320	2800	1724	2.09	1745	2.21	1767	2.33	1787	2.44	1807	2.55	1825	2.66	1844	2.77	1861	2.88	1879	2.99	1897	3.10	1914	3.21
5700	3000	1841	2.54	1861	2.66	1881	2.79	1900	2.91	1919	3.03	1937	3.15	1955	3.27	1973	3.39	1991	3.51	2008	3.63	2025	3.75
6080	3200	1960	3.06	1979	3.19	1997	3.32	2015	3.44	2032	3.57	2051	3.71	2067	3.83	2100	4.08	2115	4.21	2130	4.34	2145	4.47
6460	3400	2077	3.62	2095	3.76	2113	3.91	2129	4.03	2147	4.18	2164	4.32	2180	4.45	2212	4.72	2224	4.85	2243	4.99	2257	5.26
6840	3600	2196	4.27	2212	4.41	2229	4.56	2245	4.71	2261	4.85	2277	5.00	2293	5.14	2324	5.44	2335	5.57	2351	5.71	2367	5.84
7220	3800	2313	4.98	2329	5.13	2345	5.29	2361	5.45	2377	5.61	2392	5.76	2407	5.91	2436	6.21	2447	6.34	2465	6.52	2483	6.82
7600	4000	2432	5.78	2448	5.95	2463	6.11	2477	6.26	2493	6.44	2507	6.59	2521	6.75	2549	7.07	2567	7.20	2585	7.40	2604	7.71
7980	4200	2551	6.65	2565	6.82	2580	7.00	2595	7.18	2609	7.35	2623	7.52	2636	7.68	2664	8.03	2681	8.37	2697	8.51	2716	8.69
8360	4400	2669	7.61	2684	7.80	2697	7.97	2712	8.17	2725	8.34	2739	8.52	2752	8.70	2778	9.05	2804	9.41	2829	9.76	2854	10.11
8740	4600	2788	8.66	2802	8.86	2816	9.06	2829	9.24	2841	9.42	2855	9.62	2868	9.81	2893	10.20	2917	10.50	2941	10.90	2965	11.30
9120	4800	2908	9.82	2920	10.00	2933	10.20	2946	10.40	2959	10.62	2971	10.80	2984	11.00	3008	11.40	3032	11.80	3056	12.20	3080	12.60
9500	5000	3027	11.10	3039	11.30	3052	11.50	3064	11.70	3076	11.90	3088	12.10	3100	12.30	3124	12.70	3147	13.10	3169	13.50	3191	13.90
9880	5200	3145	12.40	3157	12.60	3169	12.80	3181	13.00	3193	13.30	3205	13.50	3216	13.70	3239	14.10	3261	14.50	3284	15.00	3306	15.40

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2470	1300	1312	1.08	1344	1.18	1376	1.28	1408	1.38	1440	1.48	1472	1.58	1504	1.68	1536	1.78	1568	1.88	1600	1.98
2660	1400	1344	1.18	1376	1.28	1408	1.38	1440	1.48	1472	1.58	1504	1.68	1536	1.78	1568	1.88	1600	1.98	1632	2.08
2850	1500	1376	1.28	1408	1.38	1440	1.48	1472	1.58	1504	1.68	1536	1.78	1568	1.88	1600	1.98	1632	2.08	1664	2.18
3040	1600	1417	1.40	1451	1.51	1484	1.62	1517	1.73	1550	1.84	1583	1.95	1616	2.06	1649	2.17	1682	2.28	1715	2.39
3230	1700	1457	1.52	1491	1.63	1524	1.74	1557	1.85	1590	1.96	1623	2.07	1656	2.18	1689	2.29	1722	2.40	1755	2.51
3420	1800	1498	1.66	1532	1.77	1565	1.88	1598	1.99	1631	2.10	1664	2.21	1697	2.32	1730	2.43	1763	2.54	1796	2.65
3610	1900	1544	1.80	1578	1.91	1611	2.02	1644	2.13	1677	2.24	1710	2.35	1743	2.46	1776	2.57	1809	2.68	1842	2.79
3800	2000	1589	1.96	1622	2.07	1655	2.18	1688	2.29	1721	2.40	1754	2.51	1787	2.62	1820	2.73	1853	2.84	1886	2.95
4180	2200	1684	2.31	1717	2.42	1750	2.53	1783	2.64	1816	2.75	1849	2.86	1882	2.97	1915	3.08	1948	3.19	1981	3.30
4560	2400	1781	2.70	1814	2.81	1847	2.92	1880	3.03	1913	3.14	1946	3.25	1979	3.36	2012	3.47	2045	3.58	2078	3.69
4940	2600	1883	3.16	1916	3.27	1949	3.38	1982	3.49	2015	3.60	2048	3.71	2081	3.82	2114	3.93	2147	4.04	2180	4.15
5320	2800	1985	3.66	2018	3.77	2051	3.88	2084	3.99	2117	4.10	2150	4.21	2183	4.32	2216	4.43	2249	4.54	2282	4.65
5700	3000	2089	4.21	2122	4.32	2155	4.43	2188	4.54	2221	4.65	2254	4.76	2287	4.87	2320	4.98	2353	5.09	2386	5.20
6080	3200	2196	4.84	2229	4.95	2262	5.06	2295	5.17	2328	5.28	2361	5.39	2394	5.50	2427	5.61	2460	5.72	2493	5.83
6460	3400	2303	5.53	2336	5.64	2369	5.75	2402	5.86	2435	5.97	2468	6.08	2501	6.19	2534	6.30	2567	6.41	2600	6.52
6840	3600	2412	6.30	2445	6.41	2478	6.52	2511	6.63	2544	6.74	2577	6.85	2610	6.96	2643	7.07	2676	7.18	2709	7.29
7220	3800	2521	7.13	2554	7.24	2587	7.35	2620	7.46	2653	7.57	2686	7.68	2719	7.79</						

3000 SERIES

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

SINGLE WIDTH
SINGLE INLET

SIZE 3020

SIZE 3020	-20° to 150°F	-29° to 66°C
CLASS I	2084	
CLASS II	2719	
CLASS III	3426	
CLASS IV	3640	

Wheel Diameter	20.00 inches	508 mm
Wheel Circumference	5.24 feet	1.597 m
Inlet Diameter/Area	21.75 inches dia./2.58 sq. ft.	552 mm/.2397 m ²
Outlet Size/Area	20.98 x 15.85 inches I.D./2.31 sq. ft.	533 x 403 mm/.2146 m ²
Tip Speed	5.24 x RPM ft./minute	1.597 x RPM m/minute
Maximum BHP	.775 x (RPM ÷ 1000) ³ BHP	.5779 x (RPM ÷ 1000) ³ kW

VOL CFM	OUT VEL	¼" SP		⅜" SP		½" SP		¾" SP		1" SP		1¼" SP		1½" SP		1¾" SP			
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP										
1856	800	558	0.13	607	0.17	652	0.21	695	0.26	738	0.31	780	0.35	823	0.41	868	0.46	908	0.52
2088	900	605	0.17	649	0.21	690	0.25	728	0.30	769	0.35	807	0.40	846	0.46	888	0.51	934	0.58
2320	1000	653	0.20	692	0.25	732	0.30	769	0.35	806	0.41	841	0.46	874	0.51	908	0.58	944	0.63
2552	1100	701	0.25	740	0.30	777	0.36	811	0.41	844	0.47	877	0.52	910	0.58	937	0.71	1035	0.84
2784	1200	751	0.30	787	0.36	821	0.42	854	0.48	886	0.54	917	0.60	946	0.66	1006	0.79	1064	0.92
3016	1300	801	0.36	836	0.43	869	0.49	900	0.55	929	0.61	959	0.68	988	0.75	1043	0.88	1097	1.02
3248	1400	853	0.43	886	0.50	916	0.57	946	0.63	974	0.70	1002	0.77	1030	0.84	1082	0.98	1133	1.13
3480	1500	905	0.51	934	0.58	965	0.65	994	0.73	1020	0.80	1047	0.87	1073	0.95	1124	1.10	1172	1.25
3712	1600	956	0.60	986	0.68	1014	0.75	1041	0.83	1068	0.91	1092	0.98	1117	1.06	1166	1.22	1213	1.38
3944	1700	1009	0.70	1037	0.78	1064	0.86	1091	0.94	1115	1.02	1141	1.11	1164	1.19	1210	1.35	1255	1.52
4176	1800	1062	0.81	1088	0.89	1115	0.98	1139	1.06	1164	1.15	1188	1.24	1211	1.33	1255	1.50	1298	1.68
4408	1900	1115	0.93	1141	1.02	1165	1.11	1189	1.20	1213	1.29	1236	1.39	1258	1.48	1301	1.66	1342	1.84
4640	2000	1167	1.06	1193	1.16	1217	1.25	1240	1.35	1262	1.44	1285	1.54	1306	1.64	1347	1.83	1388	2.03
5104	2200	1274	1.36	1298	1.47	1320	1.58	1342	1.69	1364	1.80	1383	1.89	1404	2.00	1443	2.22	1480	2.42
5568	2400	1382	1.72	1404	1.84	1424	1.96	1445	2.08	1466	2.20	1484	2.31	1503	2.42	1540	2.65	1576	2.89
6032	2600	1490	2.15	1511	2.28	1530	2.40	1549	2.53	1568	2.66	1587	2.79	1604	2.91	1639	3.16	1673	3.41
6496	2800	1599	2.64	1617	2.77	1637	2.92	1655	3.06	1672	3.19	1690	3.30	1707	3.47	1740	3.74	1771	4.00
6960	3000	1707	3.20	1725	3.35	1744	3.51	1761	3.65	1778	3.80	1793	3.94	1810	4.09	1842	4.38	1872	4.67
7424	3200	1816	3.84	1833	4.00	1850	4.16	1866	4.31	1883	4.48	1898	4.64	1913	4.78	1944	5.10	1973	5.41
7888	3400	1926	4.56	1943	4.74	1958	4.91	1974	5.08	1989	5.24	2003	5.40	2019	5.58	2047	5.90	2075	6.23
8352	3600	2036	5.38	2051	5.55	2066	5.74	2081	5.92	2095	6.09	2110	6.27	2123	6.44	2151	6.80	2178	7.15
8816	3800	2145	6.27	2160	6.47	2174	6.66	2189	6.85	2202	7.03	2217	7.24	2230	7.42	2266	7.78	2292	8.16
9280	4000	2256	7.28	2269	7.47	2283	7.68	2297	7.89	2310	8.08	2323	8.28	2336	8.48	2361	8.86	2387	9.27
9744	4200	2366	8.39	2379	8.60	2391	8.79	2405	9.02	2418	9.23	2430	9.43	2442	9.63	2467	10.10	2491	10.50
10208	4400	2476	9.60	2489	9.83	2501	10.00	2514	10.20	2526	10.50	2538	10.70	2550	10.90	2573	11.30	2597	11.80
10672	4600	2586	10.90	2599	11.20	2610	11.40	2622	11.60	2634	11.80	2646	12.10	2657	12.30	2680	12.80	2702	13.20
11136	4800	2696	12.40	2708	12.60	2720	12.90	2731	13.10	2743	13.30	2754	13.60	2765	13.80	2787	14.30	2809	14.80
11600	5000	2807	13.90	2819	14.20	2829	14.40	2840	14.70	2851	14.90	2862	15.20	2873	15.40	2894	15.90	2915	16.40
12064	5200	2918	15.60	2929	15.90	2939	16.20	2950	16.40	2961	16.70	2971	17.00	2981	17.20	3002	17.70	3022	18.20

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP																
2784	1200	1177	1.21																		
3016	1300	1204	1.32																		
3248	1400	1233	1.44																		
3480	1500	1267	1.57	1331	1.77																
3712	1600	1303	1.72	1390	2.07	1475	2.44	1560	2.83												
3944	1700	1341	1.87	1424	2.23	1506	2.62	1586	3.02	1666	3.44										
4176	1800	1381	2.04	1461	2.42	1539	2.81	1615	3.22	1691	3.65	1767	4.11								
4408	1900	1422	2.22	1500	2.62	1574	3.02	1648	3.45	1719	3.87	1791	4.33	1862	4.81						
4640	2000	1464	2.42	1539	2.83	1611	3.24	1682	3.68	1751	4.13	1819	4.59	1888	5.07	1956	5.58	2070	6.69	2132	7.24
5104	2200	1553	2.86	1622	3.29	1690	3.74	1756	4.20	1820	4.67	1883	5.15	1946	5.65	2008	6.16	2128	7.39	2185	7.95
5568	2400	1644	3.35	1710	3.82	1773	4.30	1835	4.79	1895	5.28	1955	5.80	2013	6.31	2071	6.84	2128	7.92	2185	8.50
6032	2600	1737	3.91	1801	4.42	1860	4.93	1918	5.44	1975	5.97	2031	6.50	2087	7.05	2142	7.62	2195	8.17	2248	8.75
6496	2800	1833	4.54	1893	5.08	1950	5.63	2006	6.18	2060	6.74	2113	7.30	2166	7.88	2217	8.46	2268	9.05	2319	9.66
6960	3000	1930	5.24	1987	5.82	2042	6.40	2095	6.99	2147	7.58	2197	8.17	2248	8.78	2297	9.39	2345	10.00	2393	10.60
7424	3200	2030	6.03	2084	6.65	2137	7.27	2188	7.89	2237	8.51	2286	9.14	2333	9.77	2380	10.40	2427	11.10	2472	11.70
7888	3400	2129	6.89	2182	7.55	2232	8.20	2281	8.86	2328	9.51	2376	10.20	2421	10.90	2466	11.50	2510	12.20	2554	12.90
8352	3600	2230	7.84	2281	8.55	2329	9.24	2376	9.93	2422	10.60	2467	11.30	2511	12.00	2554	12.70	2598	13.50	2639	14.20
8816	3800	2332	8.89	2381	9.64	2427	10.40	2473	11.10	2516	11.80	2560	12.60	2603	13.30	2645	14.00	2686	14.80	2726	15.50
9280	4000	2435	10.00	2481	10.80	2526	11.60	2570	12.40	2613	13.10	2655	13.90	2696	14.70	2737	15.50	2776	16.20	2816	17.00
9744	4200	2538	11.30	2583	12.10	2627	12.90	2669	13.70	2711	14.50	2751	15.30	2791	16.20	2830	17.00	2868	17.80	2907	18.60
10208	4400	2641	12.60	2685	13.50	2728	14.40	2769	15.20	2809	16.10	2848	16.90	2887	17.70	2925	18.60	2962	19.40	2999	20.30
10672	4600	2746	14.10	2788	15.00	2829	15.90	2869	16.80	2908	17.70	2946	18.60	2984	19.50	3021	20.30	3057	21.20	3093	22.10
11136	4800	2850	15.70	2891	16.60	2931	17.60	2970	18.50	3008	19.40	3045	20.40	3082	21.30	3117	22.20	3153	23.10	3187	24.00
11600	5000	2956	17.40	2996	18.40	3034	19.40	3072	20.40	3109	21.30	3145	22.30	3180	23.20	3215	24.20	3249	25.10		

SILENTVANE™

SIZE 3022 SINGLE WIDTH SINGLE INLET

MAXIMUM CLASS OPERATING RPM FAN TEMPERATURE

Wheel Diameter	22.25 inches	565 mm
Wheel Circumference	5.83 feet	1.777 m
Inlet Diameter/Area	24.0 inches dia./3.14 sq. ft.	610 mm/2917 m ²
Outlet Size/Area	23.29 x 17.48 inches I.D./2.83 sq. ft.	592 x 444 mm/2629 m ²
Tip Speed	5.83 x RPM ft./minute	1.777 x RPM m/minute
Maximum BHP	1.31 x (RPM ÷ 1000) ³ BHP	.9769 x (RPM ÷ 1000) ³ kW

SIZE 3022	-20° to 150°F	-29° to 66°C
CLASS I	1853	
CLASS II	2418	
CLASS III	3046	
CLASS IV	3250	

VOL CFM	OUT VEL	½" SP		¾" SP		1" SP		1¼" SP		1½" SP		1¾" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2264	800	497	0.16	541	0.21	582	0.26	621	0.31	660	0.37	699	0.43
2547	900	538	0.20	579	0.25	615	0.31	650	0.36	687	0.43	723	0.49
2830	1000	581	0.25	618	0.31	652	0.36	686	0.43	719	0.49	751	0.56
3113	1100	624	0.30	659	0.37	691	0.43	723	0.50	753	0.56	783	0.63
3396	1200	667	0.36	701	0.43	731	0.50	762	0.58	790	0.65	818	0.72
3672	1300	712	0.43	743	0.51	772	0.59	801	0.66	829	0.74	855	0.82
3962	1400	757	0.52	788	0.60	815	0.68	842	0.76	867	0.84	893	0.93
4245	1500	802	0.61	831	0.70	858	0.79	884	0.88	909	0.96	932	1.05
4528	1600	849	0.71	876	0.81	901	0.90	926	1.00	950	1.09	973	1.18
4811	1700	899	0.83	921	0.93	946	1.03	970	1.13	992	1.23	1014	1.33
5094	1800	941	0.96	966	1.06	990	1.17	1013	1.28	1035	1.38	1056	1.49
5377	1900	989	1.10	1013	1.22	1036	1.33	1057	1.44	1078	1.55	1099	1.66
5660	2000	1036	1.26	1058	1.38	1080	1.50	1102	1.62	1122	1.73	1142	1.85
6226	2200	1130	1.62	1152	1.76	1172	1.89	1191	2.02	1211	2.15	1230	2.28
6792	2400	1225	2.05	1246	2.20	1264	2.34	1283	2.48	1301	2.62	1318	2.76
7358	2600	1322	2.56	1340	2.71	1357	2.86	1375	3.02	1392	3.18	1408	3.32
7924	2800	1417	3.13	1434	3.30	1452	3.48	1468	3.64	1484	3.81	1500	3.98
8490	3000	1513	3.80	1530	3.99	1546	4.17	1562	4.35	1577	4.53	1591	4.70
9056	3200	1611	4.57	1626	4.76	1641	4.95	1655	5.14	1671	5.34	1685	5.53
9622	3400	1707	5.42	1721	5.62	1737	5.84	1751	6.05	1764	6.24	1778	6.45
10188	3600	1805	6.39	1818	6.60	1832	6.82	1845	7.03	1859	7.26	1872	7.48
10754	3800	1901	7.44	1915	7.69	1928	7.92	1940	8.14	1953	8.37	1966	8.61
11320	4000	1999	8.64	2012	8.89	2024	9.13	2037	9.39	2049	9.63	2061	9.87
11886	4200	2096	9.94	2108	10.20	2120	10.50	2132	10.70	2144	11.00	2156	11.20
12452	4400	2194	11.40	2206	11.70	2217	11.90	2228	12.20	2239	12.50	2251	12.70
13018	4600	2291	12.90	2303	13.20	2314	13.50	2325	13.80	2336	14.10	2346	14.40
13584	4800	2390	14.70	2401	15.00	2410	15.20	2421	15.60	2432	15.90	2442	16.20
14150	5000	2487	16.50	2498	16.90	2508	17.20	2518	17.50	2527	17.70	2538	18.10
14716	5200	2585	18.50	2595	18.90	2605	19.20	2615	19.50	2625	19.80	2634	20.10

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP																
3679	1300	1077	1.61																		
3962	1400	1103	1.75	1192	2.16																
4245	1500	1132	1.91	1216	2.33	1298	2.78														
4528	1600	1164	2.08	1243	2.51	1321	2.97														
4811	1700	1197	2.27	1273	2.72	1347	3.19	1419	3.67												
5094	1800	1232	2.47	1304	2.93	1375	3.41	1445	3.92	1515	4.46										
5377	1900	1268	2.69	1338	3.17	1406	3.67	1472	4.18	1538	4.72	1603	5.28								
5660	2000	1305	2.92	1373	3.42	1439	3.94	1503	4.47	1565	5.01	1628	5.59	1690	6.18						
6226	2200	1383	3.44	1446	3.98	1507	4.52	1567	5.09	1625	5.66	1684	6.27	1740	6.87	1797	7.51	1854	8.17	1910	8.84
6792	2400	1464	4.04	1523	4.61	1581	5.20	1637	5.80	1691	6.40	1745	7.02	1798	7.65	1851	8.31	1903	8.98	1955	9.67
7358	2600	1546	4.70	1602	5.32	1658	5.96	1711	6.59	1762	7.22	1812	7.87	1863	8.55	1912	9.22	1962	9.94	2010	10.60
7924	2800	1630	5.45	1685	6.12	1737	6.79	1786	7.45	1836	8.14	1884	8.83	1932	9.54	1978	10.20	2025	11.00	2070	11.70
8490	3000	1717	6.30	1768	7.00	1818	7.72	1866	8.43	1913	9.15	1959	9.88	2004	10.60	2049	11.40	2093	12.10	2136	12.90
9056	3200	1804	7.23	1853	7.98	1900	8.72	1947	9.49	1992	10.30	2036	11.00	2079	11.80	2122	12.60	2163	13.40	2206	14.20
9622	3400	1892	8.26	1939	9.05	1985	9.86	2029	10.70	2072	11.50	2115	12.30	2157	13.10	2198	13.90	2238	14.70	2277	15.60
10188	3600	1981	9.39	2027	10.20	2070	11.10	2114	11.90	2155	12.80	2196	13.60	2236	14.50	2275	15.40	2314	16.20	2352	17.10
10754	3800	2071	10.60	2115	11.50	2158	12.40	2199	13.30	2239	14.20	2278	15.10	2317	16.00	2355	16.90	2392	17.80	2429	18.70
11320	4000	2162	12.00	2204	12.90	2245	13.90	2285	14.80	2324	15.80	2362	16.70	2400	17.70	2436	18.60	2472	19.60	2508	20.50
11886	4200	2253	13.50	2293	14.50	2334	15.50	2372	16.50	2409	17.40	2447	18.40	2483	19.40	2519	20.40	2553	21.40	2588	22.40
12452	4400	2344	15.10	2384	16.10	2422	17.20	2460	18.20	2497	19.30	2533	20.30	2568	21.30	2602	22.40	2636	23.40	2669	24.40
13018	4600	2437	16.90	2475	17.90	2512	19.00	2549	20.10	2584	21.20	2619	22.30	2653	23.40	2687	24.50	2719	25.50	2752	26.60
13584	4800	2530	18.80	2566	19.90	2603	21.00	2638	22.20	2673	23.30	2706	24.40	2738	25.50	2772	26.70	2804	27.80	2836	28.90
14150	5000	2623	20.80	2653	22.00	2684	23.20	2722	24.50	2761	25.80	2795	26.70	2826	27.80	2858	29.00	2889	30.20	2920	31.40
14716	5200	2716	23.00	2751	24.20	2785	25.40	2819	26.70	2851	27.90	2883	29.10	2914	30.30	2945	31.60	2976	32.80	3006	34.00

VOL CFM	OUT VEL	7" SP		8" SP		9" SP		10" SP		11" SP		12" SP		13" SP		14" SP		15" SP		16" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6792	2400	2007	10.40																		
7358	2600	2058	11.40	2155	12.90	2250	14.50														
7924	2800	2116	12.50	2206	14.00	2296	15.60	2384	17.30												
8490	3000	2180	13.70	2264	15.30	2349	16.90	2432	18.60	2514	20.40	2598	22.30								
9056	3200	2247	15.00	2327	16.60	2407	18.40	2486	20.10	2564	21.90	2642	23.80	2720	25.70						
9622	3400	2317	16.40	2394	18.10	2471	19.90	2546	21.70	2620	23.60	2694	25.50	2768	27.50	2841	29.50	2914	31.50		
10188	3600	2390	18.00	2465	19.80	2537	21.60	2610	23.50	2681	25.40	2751	27.30	2821	29.30	2890	31.40	2960	33.50	3029	35.60
10754	3800	2466	19.70	2537	21.50																

3000 SERIES

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

SINGLE WIDTH
SINGLE INLET

SIZE 3024

SIZE 3024	-20° to 150°F	-29° to 66°C
CLASS I	1599	
CLASS II	2086	
CLASS III	2628	
CLASS IV	2970	

Wheel Diameter	24.50 inches	622 mm
Wheel Circumference	6.41 feet	1.954 m
Inlet Diameter/Area	27.0 inches dia./3.98 sq. ft.	686 mm/.3697 m ²
Outlet Size/Area	25.60 x 19.35 inches I.D./3.44 sq. ft.	650 x 491 mm/.3196 m ²
Tip Speed	6.41 x RPM ft./minute	1.954 x RPM m/minute
Maximum BHP	2.31 x (RPM ÷ 1000) ³ BHP	1.723 x (RPM ÷ 1000) ³ kW

VOL CFM	OUT VEL	¼" SP		¾" SP		1" SP		1½" SP		2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2768	800	432	0.19	472	0.24	511	0.31	548	0.37	584	0.44	620	0.51	653	0.58	687	0.66	715	0.75	741	0.84	769	0.91	799	1.02	821	1.13	841	1.21
3114	900	465	0.23	503	0.29	539	0.36	572	0.43	606	0.50	639	0.58	671	0.66	703	0.74	735	0.82	765	0.91	797	1.00	831	1.08	854	1.18	874	1.28
3460	1000	501	0.28	535	0.35	569	0.42	600	0.50	631	0.58	661	0.66	691	0.74	721	0.82	751	0.90	779	1.00	811	1.08	844	1.18	869	1.28	891	1.38
3806	1100	538	0.34	569	0.42	600	0.50	630	0.58	658	0.66	687	0.75	715	0.84	741	0.91	769	1.00	799	1.08	821	1.13	841	1.21	854	1.28	874	1.38
4152	1200	574	0.41	604	0.49	634	0.58	661	0.67	688	0.75	715	0.85	741	0.94	769	1.05	799	1.13	821	1.22	831	1.32	844	1.39	864	1.47	889	1.54
4498	1300	613	0.49	641	0.58	668	0.67	693	0.76	720	0.86	744	0.95	769	1.05	799	1.13	821	1.22	831	1.32	844	1.39	864	1.47	889	1.54	910	1.69
4844	1400	652	0.59	678	0.68	703	0.78	729	0.88	752	0.98	776	1.08	799	1.18	821	1.22	844	1.32	854	1.42	869	1.52	889	1.61	910	1.78	933	1.85
5190	1500	691	0.69	716	0.80	740	0.90	762	1.00	786	1.11	809	1.22	831	1.32	844	1.42	869	1.52	889	1.61	910	1.78	933	1.85	957	2.01	984	2.20
5536	1600	731	0.81	754	0.92	777	1.03	799	1.14	821	1.25	841	1.36	863	1.48	895	1.72	944	1.95	984	2.20	1006	2.35	1041	2.61	1072	2.85	1104	3.11
5882	1700	771	0.95	792	1.06	815	1.18	836	1.29	856	1.41	877	1.53	897	1.65	937	1.90	974	2.14	1012	2.40	1033	2.50	1066	2.85	1104	3.11	1130	3.67
6228	1800	811	1.09	832	1.21	852	1.33	873	1.46	893	1.58	912	1.71	931	1.83	969	2.09	1006	2.35	1041	2.61	1072	2.85	1104	3.11	1130	3.67	1157	4.30
6574	1900	851	1.26	871	1.38	891	1.51	911	1.64	930	1.77	948	1.90	966	2.03	1003	2.30	1038	2.58	1072	2.85	1104	3.11	1130	3.67	1157	4.30	1184	5.04
6920	2000	892	1.44	911	1.57	930	1.70	948	1.84	966	1.97	985	2.12	1002	2.25	1037	2.53	1071	2.82	1104	3.11	1130	3.67	1157	4.30	1184	5.04	1211	5.78
7266	2100	932	1.63	950	1.76	969	1.89	987	2.03	1006	2.16	1025	2.31	1044	2.44	1083	2.72	1117	3.01	1151	3.30	1184	4.04	1211	4.77	1238	5.50	1265	6.24
7612	2200	974	1.86	992	2.01	1009	2.15	1026	2.30	1042	2.44	1059	2.59	1075	2.74	1108	3.05	1138	3.34	1170	3.67	1202	4.40	1229	5.14	1256	5.88	1283	6.62
7958	2300	1017	2.07	1031	2.22	1048	2.27	1064	2.42	1080	2.56	1096	2.71	1112	2.86	1149	3.18	1181	3.47	1213	3.78	1245	4.50	1272	5.23	1300	5.97	1327	6.74
8304	2400	1060	2.28	1074	2.37	1091	2.42	1107	2.57	1123	2.66	1139	2.81	1155	2.96	1192	3.29	1224	3.58	1256	4.31	1283	5.04	1310	5.71	1337	6.48	1364	7.25
8650	2500	1104	2.50	1118	2.59	1135	2.64	1151	2.79	1167	2.88	1183	3.03	1200	3.18	1237	3.50	1269	3.79	1301	4.52	1328	5.25	1355	5.92	1382	6.69	1409	7.42
8996	2600	1149	2.73	1162	2.81	1179	2.86	1195	3.01	1211	3.10	1227	3.25	1244	3.40	1281	3.72	1313	4.01	1345	4.75	1372	5.48	1400	6.15	1427	6.91	1454	7.64
9342	2700	1194	2.97	1206	3.05	1223	3.10	1239	3.25	1255	3.34	1271	3.49	1288	3.64	1325	3.96	1357	4.25	1389	5.00	1416	5.75	1443	6.49	1470	7.24	1497	7.93
9688	2800	1240	3.21	1248	3.23	1265	3.28	1281	3.43	1297	3.52	1313	3.67	1330	3.82	1367	4.14	1399	4.43	1431	5.18	1458	5.93	1485	6.68	1512	7.48	1539	8.23
10034	2900	1287	3.46	1295	3.48	1312	3.53	1328	3.68	1344	3.77	1360	3.92	1377	4.07	1414	4.39	1446	4.68	1478	5.42	1505	6.17	1532	6.92	1559	7.67	1586	8.42
10380	3000	1334	3.71	1342	3.73	1359	3.78	1375	3.93	1391	4.02	1407	4.17	1424	4.32	1461	4.64	1493	4.93	1525	5.67	1552	6.46	1579	7.21	1606	7.95	1633	8.66
10726	3100	1381	3.96	1389	3.98	1406	4.03	1422	4.18	1438	4.27	1454	4.42	1471	4.57	1508	4.89	1540	5.18	1572	5.91	1600	6.64	1627	7.38	1654	8.12	1681	8.89
11072	3200	1428	4.21	1436	4.23	1453	4.28	1469	4.43	1485	4.52	1501	4.67	1518	4.82	1555	5.14	1587	5.43	1619	6.16	1646	6.91	1673	7.65	1700	8.36	1727	9.14
11418	3300	1475	4.46	1483	4.48	1500	4.53	1516	4.68	1532	4.77	1548	4.92	1565	5.07	1602	5.39	1634	5.68	1666	6.40	1693	7.18	1720	7.92	1747	8.67	1774	9.41
11764	3400	1522	4.71	1530	4.73	1547	4.78	1563	4.93	1579	5.02	1595	5.17	1612	5.32	1649	5.64	1681	5.93	1713	6.65	1740	7.43	1767	8.17	1794	8.91	1821	9.60
12110	3500	1569	4.96	1577	4.98	1594	5.03	1610	5.18	1626	5.27	1642	5.42	1659	5.57	1696	5.89	1728	6.18	1760	6.89	1787	7.67	1814	8.41	1841	9.15	1868	9.89
12456	3600	1616	5.21	1624	5.23	1641	5.28	1657	5.43	1673	5.52	1689	5.67	1706	5.82	1743	6.14	1775	6.43	1807	7.14	1834	7.92	1861	8.65	1888	9.39	1915	10.12
12802	3700	1663	5.46	1671	5.48	1688	5.53	1704	5.68	1720	5.77	1736	5.92	1753	6.07	1790	6.39	1822	6.68	1854	7.39	1881	8.17	1908	8.90	1935	9.64	1962	10.37
13148	3800	1710	5.71	1718	5.73	1735	5.78	1751	5.93	1767	6.02	1783	6.17	1800	6.32	1837	6.64	1869	6.93	1901	7.64	1928	8.42	1955	9.13	1982	9.88	2009	10.64
13494	3900	1757	5.96	1765	5.98	1782	6.03	1798	6.18	1814	6.27	1830	6.42	1847	6.57	1884	6.89	1916	7.18	1948	7.89	1975	8.68	2002	9.39	2029	10.14	2056	10.89
13840	4000	1804	6.21	1812	6.23	1829	6.28	1845	6.43	1861	6.52	1877	6.67	1894	6.82	1931	7.14	1963	7.43	1995	8.14	2022	8.93	2049	9.64	2076	10.39	2103	11.14
14186	4100	1851	6.46	1859	6.48	1876	6.53	1892	6.68	1908	6.77	1924	6.92	1941	7.07	1978	7.39	2010	7.68	2042	8.39	2069	9.18	2096	9.89	2123	10.64	2150	11.39
14532	4200	1898	6.71	1906	6.73	1923	6.78	1939	6.93	1955	7.02	1971	7.17	1988	7.32	2025	7.64	2057	7.93	2089	8.64	2116	9.43	2143	10.14	2170	10.89	2197	11.64
14878	4300	1945	6.96	1953	6.98	1970	7.03	1986	7.18	2002	7.27	2018	7.42	2035	7.57	2072	7.89	2104	8.18	2136	8.89	2163	9.64	2190	10.39	2217	11.14	2244	11.89
15224	4400	1992	7.21	1999	7.23	2016	7.28	2032	7.43	2048	7.52	2064	7.67	2081	7.82	2118	8.14	2150	8.43	2182	9.14	2209	9.93	2236					

SILENTVANE™

SIZE 3027 SINGLE WIDTH SINGLE INLET

MAXIMUM CLASS OPERATING RPM FAN TEMPERATURE

Wheel Diameter	27.00 inches	686 mm
Wheel Circumference	7.07 feet	2.155 m
Inlet Diameter/Area	29.5 inches dia./4.75 sq. ft.	749 mm/4413 m ²
Outlet Size/Area	28.29 x 21.35 inches I.D./4.20 sq. ft.	719 x 542 mm/3902 m ²
Tip Speed	7.07 x RPM ft./minute	2.155 x RPM m/minute
Maximum BHP	3.76 x (RPM ÷ 1000) ³ BHP	2.804 x (RPM ÷ 1000) ³ kW

SIZE 3027	-20° to 150°F	-29° to 66°C
CLASS I	1450	
CLASS II	1892	
CLASS III	2384	
CLASS IV	2670	

VOL CFM	OUT VEL	¾" SP		1" SP		1¼" SP		1½" SP		1¾" SP									
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP										
3360	800	392	0.22	427	0.29	463	0.37	498	0.45	530	0.53	561	0.62	595	0.72				
3780	900	422	0.28	454	0.35	489	0.44	520	0.52	550	0.61	578	0.70	609	0.80				
4260	1000	454	0.34	486	0.43	515	0.51	543	0.60	572	0.70	600	0.80	627	0.90	679	1.11	745	1.47
4620	1100	488	0.42	516	0.51	543	0.60	571	0.70	596	0.80	623	0.91	649	1.02				
5040	1200	522	0.50	548	0.60	575	0.71	600	0.81	623	0.91	649	1.03	672	1.14	718	1.37	763	1.62
5460	1300	556	0.60	581	0.71	605	0.81	629	0.93	653	1.05	676	1.16	698	1.28	741	1.52	783	1.77
5880	1400	591	0.71	614	0.82	638	0.95	660	1.06	683	1.19	703	1.30	725	1.43	765	1.68	806	1.96
6300	1500	627	0.84	650	0.97	671	1.09	692	1.21	712	1.34	733	1.47	754	1.61	792	1.87	831	2.16
6720	1600	663	0.99	684	1.12	705	1.25	724	1.38	745	1.52	764	1.65	783	1.79	821	2.08	857	2.37
7140	1700	699	1.15	719	1.28	739	1.43	758	1.57	777	1.71	796	1.86	813	1.99	849	2.29	884	2.60
7560	1800	735	1.32	755	1.48	773	1.62	792	1.77	810	1.92	828	2.08	845	2.22	879	2.54	912	2.85
7980	1900	773	1.53	790	1.68	808	1.83	826	1.99	843	2.15	860	2.31	877	2.47	910	2.80	942	3.13
8400	2000	809	1.75	827	1.91	844	2.07	861	2.24	877	2.40	894	2.57	910	2.74	941	3.08	972	3.42
9240	2200	884	2.26	899	2.42	915	2.60	930	2.78	946	2.97	960	3.14	975	3.32	1005	3.70	1033	4.07
10080	2400	959	2.86	973	3.04	987	3.23	1001	3.42	1015	3.61	1030	3.82	1044	4.02	1071	4.42	1097	4.81
10920	2600	1033	3.55	1047	3.76	1060	3.96	1073	4.17	1087	4.39	1100	4.60	1112	4.80	1138	5.24	1163	5.67
11760	2800	1109	4.37	1121	4.59	1134	4.81	1146	5.03	1159	5.27	1171	5.49	1183	5.71	1207	6.17	1231	6.65
12600	3000	1185	5.31	1196	5.54	1208	5.78	1220	6.03	1232	6.27	1243	6.51	1254	6.74	1277	7.24	1299	7.73
13440	3200	1260	6.36	1272	6.63	1282	6.87	1294	7.14	1305	7.40	1315	7.64	1326	7.90	1347	8.41	1369	8.95
14280	3400	1337	7.59	1347	7.84	1357	8.10	1368	8.38	1379	8.67	1388	8.91	1399	9.21	1419	9.75	1439	10.30
15120	3600	1412	8.91	1422	9.19	1433	9.50	1443	9.79	1452	10.10	1462	10.40	1472	10.60	1491	11.20	1510	11.80
15960	3800	1489	10.40	1499	10.70	1508	11.00	1517	11.30	1526	11.60	1536	11.90	1545	12.20	1564	12.90	1582	13.50
16800	4000	1566	12.10	1574	12.40	1583	12.70	1592	13.00	1601	13.40	1610	13.70	1619	14.00	1637	14.70	1654	15.30
17640	4200	1642	13.90	1651	14.30	1659	14.60	1668	14.90	1676	15.30	1685	15.60	1693	15.90	1710	16.60	1727	17.30
18480	4400	1719	16.00	1727	16.30	1735	16.70	1743	17.00	1752	17.40	1760	17.70	1768	18.10	1784	18.80	1799	19.40
19320	4600	1795	18.20	1803	18.50	1811	18.90	1819	19.30	1826	19.60	1834	20.00	1842	20.30	1857	21.10	1873	21.80
20160	4800	1872	20.60	1880	21.00	1887	21.30	1895	21.70	1902	22.10	1910	22.50	1917	22.90	1932	23.60	1946	24.40
21000	5000	1949	23.20	1956	23.60	1963	24.00	1970	24.30	1978	24.80	1985	25.20	1992	25.60	2006	26.30	2020	27.10
21840	5200	2026	26.00	2033	26.40	2040	26.90	2047	27.30	2053	27.60	2060	28.10	2067	28.50	2081	29.30	2095	30.20

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP																
5460	1300	865	2.31																		
5880	1400	884	2.52																		
6300	1500	905	2.74	959	3.12																
6720	1600	927	2.97	976	3.35	1045	4.00														
7140	1700	951	3.23	1016	3.89	1080	4.58	1142	5.30												
7560	1800	977	3.51	1040	4.20	1100	4.90	1160	5.65	1218	6.42										
7980	1900	1004	3.81	1064	4.52	1122	5.25	1179	6.01	1235	6.80	1290	7.61								
8400	2000	1032	4.14	1089	4.86	1145	5.61	1201	6.45	1254	7.21	1307	8.04	1359	8.90						
9240	2200	1089	4.84	1143	5.62	1195	6.42	1247	7.26	1298	8.13	1347	9.00	1396	9.90	1444	10.80	1491	11.80	1537	12.70
10080	2400	1150	5.65	1200	6.48	1250	7.35	1298	8.23	1345	9.13	1391	10.00	1437	11.00	1482	12.00	1526	12.90	1571	14.00
10920	2600	1212	6.48	1259	7.43	1307	8.38	1352	9.31	1396	10.20	1440	11.20	1484	12.20	1526	13.20	1568	14.20	1610	15.30
11760	2800	1276	7.56	1322	8.54	1365	9.49	1409	10.50	1451	11.50	1493	12.50	1533	13.60	1574	14.60	1614	15.70	1653	16.80
12600	3000	1343	8.73	1385	9.73	1427	10.80	1468	11.80	1508	12.90	1548	14.00	1586	15.00	1624	16.10	1663	17.30	1700	18.40
13440	3200	1410	10.00	1450	11.10	1490	12.20	1529	13.30	1567	14.40	1605	15.50	1642	16.70	1679	17.80	1714	19.00	1751	20.20
14280	3400	1478	11.40	1517	12.60	1554	13.70	1591	14.80	1628	16.00	1663	17.20	1699	18.40	1735	19.60	1769	20.80	1803	22.10
15120	3600	1548	13.00	1584	14.20	1620	15.40	1655	16.60	1690	17.80	1725	19.10	1759	20.30	1792	21.60	1825	22.80	1858	24.10
15960	3800	1617	14.70	1652	15.90	1687	17.20	1720	18.50	1754	19.80	1787	21.10	1820	22.40	1852	23.70	1884	25.00	1915	26.40
16800	4000	1687	16.60	1721	17.90	1754	19.20	1787	20.50	1819	21.90	1850	23.20	1882	24.60	1913	26.00	1944	27.40	1974	28.80
17640	4200	1759	18.60	1791	20.00	1823	21.40	1854	22.80	1885	24.20	1915	25.60	1946	27.00	1976	28.50	2005	29.90	2034	31.30
18480	4400	1831	20.90	1862	22.30	1892	23.70	1922	25.20	1952	26.70	1981	28.10	2010	29.60	2039	31.10	2067	32.60	2096	34.10
19320	4600	1903	23.30	1932	24.80	1962	26.30	1992	27.80	2021	29.30	2048	30.90	2075	32.30	2104	34.00	2131	35.50	2158	37.10
20160	4800	1976	25.90	2004	27.50	2032	29.00	2060	30.60	2088	32.20	2115	33.80	2142	35.40	2169	37.00	2196	38.60	2222	40.20
21000	5000	2048	28.70	2076	30.40	2103	32.00	2130	33.60	2156	35.20	2183	36.90	2210	38.60	2236	40.30	2261	41.90	2286	43.60
21840	5200	2122	31.90	2148	33.50	2174	35.10	2201	36.90	2227	38.60	2252	40.20	2277	42.00	2302	43.70	2327	45.40	2352	47.20

VOL CFM	OUT VEL	7" SP		8" SP		9" SP	
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3000 SERIES

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

SINGLE WIDTH
SINGLE INLET

SIZE 3030

SIZE 3030	-20° to 150°F	-29° to 66°C
CLASS I	1271	
CLASS II	1659	
CLASS III	2090	
CLASS IV	2420	

Wheel Diameter	30.00 inches	762 mm
Wheel Circumference	7.85 feet	2.393 m
Inlet Diameter/Area	32.5 inches dia./5.76 sq. ft.	825 mm/5351 m ²
Outlet Size/Area	31.42 x 23.48 inches I.D./5.12 sq. ft.	798 x 596 mm/4757 m ²
Tip Speed	7.85 x RPM ft./minute	2.393 x RPM m/minute
Maximum BHP	6.55 x (RPM ÷ 1000) ³ BHP	4.884 x (RPM ÷ 1000) ³ kW

VOL CFM	OUT VEL	¼" SP		½" SP		¾" SP		1" SP		1½" SP		2" SP		3" SP		4" SP		5" SP		6" SP		8" SP			
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP		
4104	800	344	0.27	377	0.35	408	0.43	440	0.53	468	0.62	499	0.72	527	0.82	553	0.91	573	1.00	594	1.09	601	1.29	616	1.49
4617	900	370	0.33	400	0.42	429	0.51	457	0.61	484	0.71	511	0.81	536	0.93	561	1.03	584	1.13	605	1.23	624	1.54	641	1.74
5130	1000	398	0.40	426	0.51	452	0.61	479	0.72	504	0.82	529	0.93	553	1.05	576	1.15	597	1.25	615	1.35	631	1.70	647	1.90
5643	1100	428	0.49	452	0.60	478	0.72	502	0.83	524	0.94	549	1.07	572	1.19	594	1.29	611	1.39	628	1.49	644	1.84	659	2.04
6156	1200	457	0.59	481	0.71	504	0.83	527	0.96	549	1.08	570	1.21	592	1.34	611	1.44	628	1.54	644	1.64	659	2.04	674	2.24
6669	1300	486	0.71	510	0.84	532	0.97	553	1.10	573	1.23	594	1.37	613	1.50	631	1.60	647	1.70	661	1.80	674	2.19	691	2.39
7182	1400	519	0.84	539	0.98	559	1.12	579	1.26	599	1.41	618	1.55	637	1.69	654	1.79	671	1.89	687	1.99	710	2.39	726	2.59
7695	1500	550	0.99	570	1.14	588	1.29	607	1.44	625	1.59	644	1.75	661	1.89	679	1.99	697	2.09	715	2.19	732	2.59	748	2.79
8208	1600	581	1.16	600	1.32	618	1.48	636	1.64	653	1.80	670	1.96	687	2.12	704	2.28	721	2.38	738	2.48	755	2.88	771	3.08
8721	1700	613	1.35	631	1.52	648	1.69	665	1.86	681	2.02	698	2.20	714	2.37	731	2.53	747	2.63	764	2.73	781	3.13	797	3.33
9234	1800	645	1.56	661	1.73	678	1.91	694	2.09	710	2.27	725	2.45	741	2.63	757	2.81	773	2.91	789	3.01	806	3.41	822	3.61
9747	1900	678	1.79	694	1.98	709	2.17	724	2.35	739	2.54	754	2.73	769	2.93	784	3.11	799	3.21	815	3.31	832	3.71	848	3.91
10260	2000	711	2.06	725	2.24	740	2.44	754	2.63	769	2.84	782	3.02	797	3.23	812	3.42	826	3.52	841	3.62	857	4.02	873	4.22
11286	2200	776	2.64	790	2.86	803	3.07	816	3.29	829	3.50	842	3.71	855	3.93	868	4.14	881	4.35	894	4.56	907	4.96	921	5.16
12312	2400	842	3.35	854	3.57	866	3.80	879	4.03	891	4.28	903	4.51	915	4.75	928	4.98	940	5.21	952	5.44	964	5.84	977	6.04
13338	2600	908	4.17	920	4.42	931	4.67	942	4.92	953	5.17	965	5.43	976	5.68	988	5.93	1000	6.18	1012	6.43	1024	6.83	1037	7.03
14364	2800	974	5.11	986	5.40	996	5.66	1007	5.94	1017	6.21	1028	6.49	1038	6.76	1048	7.04	1058	7.32	1068	7.60	1078	8.00	1089	8.20
15390	3000	1041	6.21	1051	6.49	1062	6.81	1071	7.08	1081	7.37	1091	7.67	1100	7.94	1110	8.24	1120	8.55	1130	8.86	1140	9.26	1151	9.46
16416	3200	1108	7.45	1118	7.78	1127	8.07	1137	8.40	1145	8.68	1155	9.01	1164	9.32	1174	9.65	1183	9.98	1193	10.31	1202	10.71	1212	11.01
17442	3400	1175	8.85	1184	9.19	1193	9.52	1202	9.86	1211	10.20	1219	10.50	1228	10.80	1237	11.10	1245	11.50	1254	11.80	1263	12.20	1272	12.50
18468	3600	1243	10.50	1251	10.80	1259	11.10	1267	11.50	1276	11.80	1284	12.20	1292	12.50	1300	13.20	1308	13.50	1316	13.80	1324	14.20	1332	14.50
19494	3800	1310	12.20	1318	12.60	1325	12.90	1333	13.30	1341	13.70	1349	14.00	1357	14.40	1365	15.10	1372	15.40	1380	15.70	1388	16.10	1396	16.40
20520	4000	1377	14.10	1385	14.50	1392	14.90	1400	15.30	1407	15.70	1415	16.00	1422	16.50	1430	17.20	1437	17.50	1445	17.80	1453	18.20	1461	18.50
21546	4200	1445	16.30	1452	16.70	1459	17.10	1466	17.50	1473	17.90	1480	18.30	1487	18.70	1494	19.40	1501	19.70	1508	20.00	1516	20.40	1524	20.70
22572	4400	1512	18.70	1519	19.10	1526	19.50	1533	19.90	1539	20.30	1546	20.80	1553	21.20	1560	21.90	1567	22.20	1574	22.50	1581	22.90	1589	23.20
23598	4600	1579	21.20	1586	21.70	1593	22.10	1599	22.60	1606	23.00	1612	23.40	1619	23.90	1626	24.60	1633	24.90	1640	25.20	1647	25.60	1654	25.90
24624	4800	1647	24.00	1654	24.50	1660	25.00	1666	25.40	1672	25.90	1679	26.40	1685	26.80	1692	27.50	1699	27.80	1706	28.10	1713	28.50	1720	28.80
25650	5000	1715	27.00	1721	27.60	1727	28.10	1733	28.50	1739	29.00	1745	29.50	1751	30.00	1758	30.70	1765	31.00	1772	31.30	1779	31.70	1786	32.00
26676	5200	1783	30.40	1788	30.90	1794	31.40	1800	31.90	1806	32.40	1812	32.90	1817	33.40	1824	34.10	1830	34.40	1837	34.70	1844	35.10	1851	35.40

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP																
6156	1200	752	2.46	837	3.34	914	4.30	997	5.75	1064	6.97	1129	8.32	1190	9.75	1237	10.70	1294	12.30	1361	14.70
6669	1300	766	2.69	837	3.34	914	4.30	997	5.75	1064	6.97	1129	8.32	1190	9.75	1237	10.70	1294	12.30	1361	14.70
7182	1400	781	2.94	849	3.61	925	4.62	1010	6.15	1077	7.42	1141	8.81	1190	9.75	1237	10.70	1294	12.30	1361	14.70
7695	1500	799	3.21	862	3.89	925	4.62	1010	6.15	1077	7.42	1141	8.81	1190	9.75	1237	10.70	1294	12.30	1361	14.70
8208	1600	817	3.49	879	4.22	939	4.97	1010	6.15	1077	7.42	1141	8.81	1190	9.75	1237	10.70	1294	12.30	1361	14.70
8721	1700	837	3.79	897	4.56	954	5.34	1010	6.15	1077	7.42	1141	8.81	1190	9.75	1237	10.70	1294	12.30	1361	14.70
9234	1800	859	4.13	916	4.92	971	5.73	1024	6.55	1077	7.42	1141	8.81	1190	9.75	1237	10.70	1294	12.30	1361	14.70
9747	1900	882	4.49	937	5.32	990	6.16	1041	7.02	1091	7.89	1141	8.81	1190	9.75	1237	10.70	1294	12.30	1361	14.70
10260	2000	906	4.88	958	5.72	1009	6.60	1059	7.49	1108	8.42	1156	9.35	1203	10.30	1249	11.30	1294	12.30	1361	14.70
11286	2200	956	5.72	1004	6.63	1052	7.58	1093	8.53	1144	9.52	1193	10.35	1240	11.30	1286	12.30	1334	13.30	1386	15.30
12312	2400	1008	6.67	1054	7.68	1098	8.68	1141	9.69	1184	10.70	1226	11.80	1267	12.80	1304	13.90	1349	15.10	1386	16.20
13338	2600	1063	7.76	1105	8.81	1146	9.87	1187	11.00	1228	12.10	1267	13.20	1307	14.40	1345	15.50	1383	16.70	1421	17.90
14364	2800	1119	8.96	1159	10.10	1198	11.20	1237	12.40	1275	13.60	1312	14.80	1349	16.00	1385	17.20	1421	18.40	1458	19.70
15390	3000	1174	10.30	1214	11.50	1251	12.70	1287	13.90	1324	15.20	1359	16.50	1394	17.70	1429	19.00	1463	20.30	1497	21.60

SILENTVANE™

SIZE 3033 SINGLE WIDTH SINGLE INLET

MAXIMUM CLASS OPERATING RPM FAN TEMPERATURE

Wheel Diameter	33.00 inches	838 mm
Wheel Circumference	8.64 feet	2.633 m
Inlet Diameter/Area	35.5 inches dia./6.87 sq. ft.	902 mm/6382 m ²
Outlet Size/Area	34.60 x 26.10 inches I.D./6.27 sq. ft.	879 x 663 mm/5825 m ²
Tip Speed	8.64 x RPM ft./minute	2.633 RPM m/minute
Maximum BHP	10.58 x (RPM ÷ 1000) ³ BHP	7.890 x (RPM ÷ 1000) ³ kW

SIZE 3033	-20° to 150°F	-29° to 66°C
CLASS I	1163	
CLASS II	1517	
CLASS III	1912	
CLASS IV	2200	

VOL CFM	OUT VEL	¼" SP		½" SP		¾" SP		1" SP		1½" SP		2" SP		3" SP		4" SP		5" SP		6" SP		8" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5008	800	314	0.33	344	0.43	373	0.54	400	0.64	428	0.76	454	0.88	479	1.00	505	1.14	531	1.29	558	1.45	585	1.63
5634	900	337	0.40	366	0.50	392	0.63	417	0.75	442	0.87	466	1.00	491	1.14	516	1.29	541	1.45	566	1.63	591	1.82
6260	1000	364	0.50	389	0.62	414	0.74	438	0.87	460	1.01	483	1.15	505	1.29	528	1.45	551	1.63	574	1.82	597	2.03
6886	1100	391	0.60	414	0.74	436	0.87	458	1.01	480	1.16	501	1.31	521	1.45	542	1.61	562	1.76	582	1.92	602	2.08
7512	1200	418	0.73	440	0.88	461	1.03	481	1.17	501	1.33	521	1.49	540	1.64	558	1.81	575	1.97	592	2.14	609	2.31
8138	1300	447	0.88	466	1.03	485	1.19	505	1.35	524	1.52	542	1.68	560	1.85	578	2.02	595	2.19	612	2.36	629	2.55
8764	1400	475	1.04	494	1.21	512	1.38	529	1.55	547	1.72	565	1.90	582	2.08	600	2.25	617	2.43	634	2.61	651	2.81
9390	1500	504	1.23	521	1.40	538	1.59	555	1.77	572	1.96	588	2.14	604	2.33	620	2.52	636	2.71	652	2.90	668	3.09
10016	1600	533	1.44	549	1.63	565	1.82	582	2.02	597	2.21	612	2.40	628	2.61	643	2.80	658	3.00	673	3.20	688	3.40
10642	1700	562	1.67	578	1.88	593	2.08	608	2.28	623	2.49	637	2.69	652	2.90	667	3.11	681	3.33	695	3.55	709	3.77
11268	1800	592	1.94	606	2.14	620	2.35	635	2.58	649	2.79	664	3.02	678	3.25	692	3.49	706	3.73	720	3.97	734	4.21
11894	1900	621	2.22	635	2.44	649	2.67	663	2.91	676	3.13	689	3.35	703	3.59	716	3.83	729	4.06	742	4.30	755	4.54
12520	2000	651	2.54	664	2.77	678	3.02	691	3.26	703	3.49	716	3.73	729	3.98	742	4.23	754	4.47	767	4.71	780	4.95
13772	2200	711	3.27	723	3.53	736	3.81	747	4.05	759	4.32	771	4.59	782	4.84	793	5.09	805	5.33	817	5.58	829	5.82
15024	2400	771	4.13	782	4.41	794	4.72	804	4.98	815	5.26	826	5.55	837	5.85	848	6.14	859	6.44	870	6.73	881	7.02
16276	2600	832	5.16	843	5.47	853	5.78	863	6.08	873	6.39	884	6.72	893	7.00	903	7.31	913	7.63	923	7.95	933	8.27
17528	2800	893	6.34	903	6.67	912	6.99	922	7.33	931	7.65	941	8.00	950	8.33	959	8.67	969	9.01	978	9.36	987	9.70
18780	3000	955	7.72	964	8.07	972	8.39	981	8.75	990	9.11	999	9.47	1008	9.83	1017	10.19	1025	10.55	1033	10.91	1041	11.27
20032	3200	1016	9.24	1024	9.61	1033	10.00	1041	10.40	1049	10.70	1057	11.10	1066	11.50	1074	11.90	1082	12.30	1090	12.70	1099	13.10
21284	3400	1077	11.00	1085	11.40	1093	11.80	1101	12.20	1109	12.60	1117	13.00	1125	13.40	1133	13.80	1141	14.20	1149	14.60	1157	15.00
22536	3600	1139	12.90	1146	13.30	1154	13.80	1162	14.20	1169	14.60	1176	15.10	1184	15.50	1191	15.90	1198	16.30	1205	16.70	1212	17.10
23788	3800	1200	15.10	1208	15.60	1215	16.00	1222	16.50	1229	16.90	1236	17.40	1243	17.80	1250	18.20	1257	18.70	1264	19.10	1271	19.60
25040	4000	1263	17.60	1269	18.00	1276	18.50	1283	19.00	1289	19.40	1296	19.90	1303	20.40	1310	20.90	1316	21.30	1323	21.80	1330	22.30
26292	4200	1324	20.20	1331	20.70	1337	21.20	1343	21.70	1350	22.20	1357	22.70	1363	23.20	1370	23.70	1376	24.20	1383	24.70	1390	25.20
27544	4400	1386	23.10	1393	23.70	1398	24.10	1404	24.60	1411	25.20	1417	25.70	1423	26.20	1430	26.70	1436	27.20	1442	27.70	1449	28.20
28796	4600	1448	26.30	1454	26.90	1460	27.40	1466	28.00	1472	28.50	1478	29.10	1483	29.60	1489	30.10	1495	30.70	1501	31.20	1507	31.70
30048	4800	1510	29.80	1516	30.40	1522	31.00	1527	31.50	1533	32.10	1538	32.60	1544	33.20	1549	33.70	1555	34.30	1560	34.80	1566	35.30
31300	5000	1572	33.60	1577	34.20	1583	34.80	1588	35.40	1594	36.00	1599	36.50	1605	37.10	1610	37.60	1616	38.20	1621	38.70	1627	39.30
32552	5200	1634	37.70	1640	38.40	1645	39.00	1650	39.60	1655	40.20	1660	40.80	1665	41.40	1670	42.00	1675	42.60	1680	43.20	1686	43.80

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP																
7512	1200	685	3.01	711	3.28	737	3.55	763	3.82	789	4.09	815	4.36	841	4.63	867	4.90	893	5.17	919	5.44
8138	1300	697	3.28	723	3.55	749	3.82	775	4.09	801	4.36	827	4.63	853	4.90	879	5.17	905	5.44	931	5.71
8764	1400	711	3.58	737	3.85	763	4.12	789	4.39	815	4.66	841	4.93	867	5.20	893	5.47	919	5.74	945	6.01
9390	1500	727	3.91	753	4.18	779	4.45	805	4.72	831	4.99	857	5.26	883	5.53	909	5.80	935	6.07	961	6.34
10016	1600	745	4.27	771	4.54	797	4.81	823	5.08	849	5.35	875	5.62	901	5.89	927	6.16	953	6.43	979	6.70
10642	1700	764	4.55	790	4.82	816	5.09	842	5.36	868	5.63	894	5.90	920	6.17	946	6.44	972	6.71	998	6.98
11268	1800	785	5.08	811	5.35	837	5.62	863	5.89	889	6.16	915	6.43	941	6.70	967	6.97	993	7.24	1019	7.51
11894	1900	805	5.50	831	5.77	857	6.04	883	6.31	909	6.58	935	6.85	961	7.12	987	7.39	1013	7.66	1039	7.93
12520	2000	827	5.98	853	6.25	879	6.52	905	6.79	931	7.06	957	7.33	983	7.60	1009	7.87	1035	8.14	1061	8.41
13772	2200	873	7.02	899	7.29	925	7.56	951	7.83	977	8.10	1003	8.37	1029	8.64	1055	8.91	1081	9.18	1107	9.45
15024	2400	922	8.22	948	8.49	974	8.76	1000	9.03	1026	9.30	1052	9.57	1078	9.84	1104	10.11	1130	10.38	1156	10.65
16276	2600	972	9.54	1000	9.81	1028	10.08	1056	10.35	1084	10.62	1112	10.89	1140	11.16	1168	11.43	1196	11.70	1224	11.97
17528	2800	1024	11.00	1052	11.27	1080	11.54	1108	11.81	1136	12.08	1164	12.35	1192	12.62	1220	12.89	1248	13.16	1276	13.43
18780	3000	1077	12.70	1105	12.97	1133	13.24	1161	13.51	1189	13.78	1217	14.05	1245	14.32	1273	14.59	1301	14.86	1329	15.13
20032	3200	1131	14.60	1159	14.87	1187	15.14	1215	15.41	1243	15.68	1271	15.95	1299	16.22	1327	16.49	1355	16.76	1383	17.03
21284	3400	1186	16.60	1214	16.87	1242	17.14	1270	17.41	1298	17.68	1326	17.95	1354	18.22	1382	18.49	1410	18.76	1438	19.03
22536	3600	1242	18.90	1270	19.17	1298	19.44	1326	19.71	1354	19.98	1382	20.25	1410	20.52	1438	20.79	1466	21.06	1494	21.33</

3000 SERIES

SIZE 3037

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

SIZE 3037	-20° to 150°F	-29° to 66°C
CLASS I	1049	
CLASS II	1368	
CLASS III	1724	
CLASS IV	1990	

SINGLE WIDTH
SINGLE INLET

Wheel Diameter	36.50 inches	927 mm
Wheel Circumference	9.56 feet	2.914 m
Inlet Diameter/Area	39.0 inches dia./8.30 sq. ft.	991 mm/.7711 m ²
Outlet Size/Area	38.29 x 28.73 inches I.D./7.64 sq. ft.	973 x 730 mm/.7098 m ²
Tip Speed	9.56 x RPM ft./minute	2.914 x RPM m/minute
Maximum BHP	17.36 x (RPM ÷ 1000) ³ BHP	12.95 x (RPM ÷ 1000) ³ kW

VOL CFM	OUT VEL	¼" SP		⅜" SP		½" SP		⅝" SP		¾" SP		1" SP		1¼" SP		1½" SP		1¾" SP			
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP												
6104	800	283	0.40	310	0.52	336	0.65	362	0.79	385	0.92	410	1.07	433	1.22	484	1.71	532	2.28	576	2.92
6867	900	305	0.49	330	0.63	354	0.77	377	0.92	399	1.06	421	1.22	443	1.38	484	1.71	532	2.28	576	2.92
7630	1000	328	0.60	351	0.75	373	0.91	395	1.07	415	1.23	436	1.40	456	1.57	495	1.92	543	2.54	587	3.22
8393	1100	352	0.73	373	0.90	393	1.06	413	1.23	433	1.41	451	1.58	471	1.77	507	2.14	552	2.81	600	3.89
9156	1200	377	0.89	397	1.07	415	1.24	434	1.43	451	1.60	470	1.81	488	2.00	521	2.39	555	2.54	587	3.22
9919	1300	403	1.07	421	1.26	438	1.45	455	1.64	472	1.84	489	2.04	505	2.24	537	2.66	569	3.10	600	3.55
10682	1400	428	1.26	444	1.46	461	1.67	478	1.89	494	2.10	509	2.31	524	2.52	555	2.97	585	3.42	614	3.89
11445	1500	454	1.49	470	1.71	486	1.94	501	2.16	515	2.37	531	2.61	545	2.83	574	3.30	602	3.77	630	4.27
12208	1600	480	1.74	495	1.97	509	2.20	524	2.44	539	2.69	553	2.93	566	3.16	594	3.67	621	4.17	647	4.68
12971	1700	507	2.03	521	2.28	535	2.53	548	2.77	562	3.03	575	3.28	588	3.53	614	4.05	640	4.58	665	5.12
13734	1800	533	2.34	547	2.61	560	2.87	572	3.12	586	3.41	598	3.66	610	3.92	635	4.46	660	5.03	684	5.59
14497	1900	560	2.69	572	2.96	585	3.24	597	3.51	610	3.81	622	4.08	634	4.37	657	4.92	681	5.52	704	6.10
15260	2000	586	3.06	599	3.37	610	3.64	622	3.94	634	4.24	646	4.54	657	4.83	680	5.43	702	6.02	724	6.63
16786	2200	641	3.97	652	4.29	663	4.61	673	4.91	684	5.23	695	5.57	706	5.90	726	6.53	747	7.19	767	7.85
18312	2400	695	5.01	705	5.35	715	5.70	725	6.04	735	6.40	745	6.75	755	7.11	774	7.80	793	8.51	813	9.26
19838	2600	750	6.25	760	6.65	769	7.01	778	7.38	787	7.75	796	8.12	805	8.50	823	9.26	841	10.00	859	10.80
21364	2800	805	7.68	813	8.06	823	8.52	830	8.86	839	9.28	848	9.70	856	10.10	874	11.00	890	11.70	907	12.60
22890	3000	860	9.32	868	9.75	876	10.20	884	10.60	892	11.00	900	11.50	908	11.90	924	12.80	940	13.70	955	14.50
24416	3200	915	11.20	923	11.70	931	12.10	938	12.60	946	13.00	953	13.50	961	14.00	976	14.90	990	15.80	1005	16.70
25942	3400	970	13.30	978	13.80	985	14.30	992	14.80	999	15.20	1006	15.70	1014	16.30	1028	17.20	1041	18.20	1055	19.20
27468	3600	1026	15.70	1033	16.20	1039	16.70	1047	17.20	1053	17.70	1060	18.30	1067	18.80	1080	19.80	1093	20.80	1106	21.90
28994	3800	1082	18.30	1088	18.80	1094	19.40	1101	19.90	1107	20.50	1114	21.00	1120	21.60	1133	22.70	1146	23.80	1158	24.90
30520	4000	1137	21.20	1144	21.80	1150	22.40	1156	23.00	1161	23.50	1168	24.10	1174	24.70	1186	25.80	1198	27.00	1210	28.10
32046	4200	1193	24.50	1199	25.10	1205	25.70	1211	26.30	1216	26.90	1222	27.50	1228	28.10	1239	29.20	1251	30.50	1262	31.70
33572	4400	1249	28.00	1254	28.60	1260	29.30	1266	29.90	1271	30.50	1277	31.20	1282	31.80	1293	33.00	1304	34.30	1315	35.60
35098	4600	1305	31.90	1310	32.60	1315	33.20	1321	33.90	1326	34.50	1331	35.20	1337	35.90	1347	37.20	1358	38.50	1368	39.80
36624	4800	1360	36.10	1366	36.80	1370	37.40	1376	38.20	1381	38.90	1386	39.50	1391	40.20	1401	41.60	1411	43.00	1421	44.30
38150	5000	1416	40.70	1421	41.40	1426	42.10	1431	42.80	1436	43.60	1441	44.30	1445	44.90	1455	46.40	1465	47.80	1475	49.30
39676	5200	1472	45.60	1477	46.40	1482	47.20	1486	47.90	1491	48.60	1496	49.40	1500	50.10	1510	51.60	1519	53.10	1528	54.50

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP																
9156	1200	619	3.66																		
9919	1300	630	4.01	688	4.95																
10682	1400	643	4.38	698	5.36	752	6.41														
11445	1500	657	4.77	710	5.80	761	6.88														
12208	1600	673	5.20	723	6.27	772	7.38	820	8.55												
12971	1700	690	5.67	738	6.78	785	7.94	831	9.14	876	10.40										
13734	1800	708	6.17	754	7.33	799	8.53	843	9.77	886	11.00	929	12.40	970	13.70						
14497	1900	727	6.71	771	7.91	815	9.18	857	10.40	898	11.70	939	13.10	979	14.50	1018	15.90				
15260	2000	746	7.26	789	8.53	831	9.83	872	11.20	910	12.50	951	13.90	990	15.40	1028	16.80	1065	18.30	1120	21.90
16786	2200	787	8.51	827	9.89	866	11.30	904	12.70	942	14.20	978	15.60	1014	17.10	1050	18.70	1085	20.30	1143	24.10
18312	2400	831	10.00	868	11.40	904	12.90	940	14.40	975	16.00	1010	17.60	1043	19.10	1077	20.80	1110	22.40	1169	26.60
19838	2600	876	11.60	911	13.20	945	14.80	978	16.40	1012	18.00	1044	19.70	1076	21.40	1108	23.10	1139	24.80	1199	28.80
21364	2800	923	13.40	955	15.10	988	16.80	1019	18.50	1050	20.20	1081	22.00	1111	23.80	1141	25.60	1171	27.50	1200	29.30
22890	3000	971	15.40	1002	17.20	1031	19.00	1061	20.80	1091	22.70	1120	24.60	1149	26.50	1177	28.40	1205	30.30	1233	32.20
24416	3200	1020	17.70	1049	19.60	1077	21.50	1105	23.40	1133	25.40	1161	27.40	1188	29.30	1215	31.30	1242	33.40	1268	35.40
25942	3400	1069	20.20	1096	22.20	1124	24.20	1150	26.20	1177	28.30	1203	30.40	1229	32.40	1255	34.60	1280	36.70	1305	38.80
27468	3600	1120	23.00	1146	25.10	1171	27.20	1197	29.30	1222	31.50	1247	33.70	1272	35.90	1296	38.00	1321	40.30	1345	42.50
28994	3800	1170	25.90	1195	28.20	1220	30.50	1244	32.70	1268	34.90	1292	37.20	1315	39.50	1339	41.80	1362	44.10	1386	46.60
30520	4000	1222	29.30	1246	31.70	1269	34.00	1292	36.30	1315	38.70	1338	41.10	1360	43.40	1383	45.90	1406	48.40	1427	50.70
32046	4200	1274	32.90	1296	35.30	1319	37.90	1341	40.30	1363	42.80	1385	45.30	1407	47.80	1428	50.30	1449	52.80	1471	55.40
33572	4400	1326	36.90	1347	39.40	1369	42.00	1390	44.50	1412	47.20	1433	49.80	1453	52.30	1474	55.00	1494	57.60	1515	60.30
35098	4600																				

SILENTVANE™

SIZE 3040

SINGLE WIDTH
SINGLE INLET

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

Wheel Diameter	40.25 inches	1022 mm
Wheel Circumference	10.54 feet	3.213 m
Inlet Diameter/Area	43.5 inches sq./10.31 sq. ft.	1105 mm/9578 m ²
Outlet Size/Area	42.48 x 31.79 inches I.D./9.38 sq. ft.	1079 x 807 mm/8714 m ²
Tip Speed	10.54 x RPM ft./minute	3.211 x RPM m/minute
Maximum BHP	28.45 x (RPM ÷ 1000) ³ BHP	21.22 x (RPM ÷ 1000) ³ kW

SIZE 3040	-20° to 150°F	-29° to 66°C
CLASS I	956	
CLASS II	1247	
CLASS III	1572	
CLASS IV	1800	

VOL CFM	OUT VEL	¼" SP		½" SP		¾" SP		1" SP		1½" SP		2" SP		3" SP		4" SP		5" SP		6" SP		8" SP			
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP		
7480	800	258	0.49	282	0.64	306	0.80	329	0.97	351	1.13	372	1.31	393	1.49	414	1.68	435	1.87	456	2.06	477	2.25	498	2.44
8415	900	278	0.60	300	0.77	322	0.95	345	1.12	363	1.31	383	1.50	402	1.68	422	1.87	442	2.06	462	2.25	482	2.44	502	2.63
9350	1000	299	0.74	320	0.93	340	1.12	359	1.31	378	1.51	396	1.71	414	1.92	432	2.12	450	2.32	468	2.52	486	2.72	504	2.92
10285	1100	322	0.91	340	1.10	359	1.32	377	1.53	394	1.73	411	1.95	428	2.17	445	2.38	462	2.59	479	2.80	496	3.01	513	3.22
11220	1200	344	1.10	362	1.32	378	1.53	395	1.76	412	1.99	428	2.23	443	2.45	459	2.68	474	2.91	489	3.14	504	3.37	519	3.60
12155	1300	367	1.31	383	1.54	400	1.79	414	2.01	430	2.27	445	2.51	460	2.77	475	3.01	490	3.26	505	3.51	520	3.76	535	4.00
13090	1400	390	1.55	408	1.81	420	2.05	435	2.32	449	2.57	464	2.85	478	3.11	492	3.36	506	3.61	520	3.86	534	4.11	548	4.36
14025	1500	414	1.83	428	2.10	443	2.39	456	2.65	470	2.93	484	3.22	497	3.50	511	3.75	525	4.00	539	4.25	553	4.50	567	4.75
14960	1600	438	2.15	452	2.45	465	2.73	478	3.02	491	3.32	503	3.60	516	3.90	529	4.18	542	4.46	555	4.74	568	5.02	581	5.29
15895	1700	462	2.50	475	2.81	488	3.13	500	3.42	512	3.73	524	4.04	536	4.36	548	4.67	560	4.98	572	5.29	584	5.60	596	5.91
16830	1800	487	2.91	499	3.23	512	3.53	524	3.86	534	4.20	545	4.51	557	4.86	569	5.19	580	5.51	591	5.83	602	6.15	613	6.47
17765	1900	511	3.34	523	3.68	534	4.02	545	4.35	556	4.70	567	5.04	578	5.39	589	5.73	600	6.07	611	6.41	622	6.75	633	7.09
18700	2000	536	3.82	547	4.18	557	4.52	568	4.89	578	5.23	589	5.61	599	5.96	610	6.30	621	6.68	632	7.06	643	7.44	654	7.81
20570	2200	585	4.91	595	5.31	605	5.70	615	6.10	624	6.47	634	6.88	644	7.29	654	7.69	664	8.06	674	8.48	684	8.88	694	9.29
22440	2400	636	6.44	644	6.86	653	7.28	663	7.59	671	7.92	680	8.36	689	8.80	698	9.24	707	9.68	716	10.12	725	10.60	734	11.08
24310	2600	685	7.77	694	8.25	702	8.69	710	9.14	718	9.58	727	10.10	735	10.50	744	10.92	753	11.36	762	11.80	771	12.24	780	12.68
26180	2800	735	9.53	743	10.00	751	10.50	758	11.00	766	11.50	774	12.00	782	12.50	791	13.00	799	13.50	808	14.00	816	14.50	824	15.00
28050	3000	785	11.60	793	12.10	800	12.60	808	13.20	815	13.70	822	14.20	829	14.80	837	15.30	844	15.80	852	16.30	860	16.80	868	17.30
29920	3200	836	13.90	843	14.50	850	15.00	857	15.60	863	16.10	870	16.70	877	17.30	884	17.80	891	18.40	898	19.00	905	19.60	912	20.20
31790	3400	887	16.60	893	17.10	900	17.80	906	18.30	913	19.00	919	19.50	925	20.10	932	20.70	939	21.30	946	21.90	953	22.50	960	23.10
33660	3600	938	19.50	944	20.10	950	20.80	956	21.40	962	22.00	968	22.60	974	23.30	980	23.90	986	24.50	992	25.10	998	25.80	1004	26.40
35530	3800	988	22.70	994	23.40	1000	24.10	1006	24.80	1012	25.50	1017	26.10	1023	26.80	1029	27.50	1034	28.10	1040	28.80	1046	29.50	1052	30.20
37400	4000	1039	26.40	1045	27.10	1050	27.80	1055	28.40	1061	29.20	1067	30.00	1072	30.60	1078	31.40	1083	32.10	1089	32.90	1094	33.70	1100	34.50
39270	4200	1090	30.40	1095	31.10	1100	31.80	1106	32.60	1111	33.40	1116	34.10	1121	34.80	1127	35.60	1132	36.30	1138	37.10	1143	37.90	1149	38.70
41140	4400	1141	34.80	1146	35.60	1151	36.40	1156	37.10	1161	37.90	1166	38.70	1171	39.50	1177	40.30	1181	41.00	1187	41.80	1191	42.60	1197	43.40
43010	4600	1192	39.70	1197	40.50	1202	41.30	1206	42.00	1211	42.90	1216	43.70	1221	44.50	1226	45.30	1230	46.10	1235	46.90	1240	47.70	1245	48.50
44880	4800	1243	44.90	1247	45.70	1252	46.60	1257	47.50	1261	48.20	1266	49.10	1271	50.00	1275	50.80	1280	51.70	1285	52.60	1290	53.40	1295	54.30
46750	5000	1294	50.60	1298	51.40	1303	52.40	1307	53.20	1312	54.10	1316	55.00	1321	55.90	1325	56.80	1330	57.70	1335	58.60	1340	59.50	1345	60.40
48620	5200	1345	56.80	1349	57.60	1354	58.60	1358	59.50	1362	60.40	1366	61.30	1370	62.20	1375	63.10	1380	64.00	1385	64.90	1390	65.80	1395	66.70

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP			
		RPM	BHP	RPM	BHP																		
11220	1200	562	4.49	624	6.05	682	7.83	736	9.80	787	12.00	835	14.30	880	16.80	924	19.50	967	22.40	1017	26.80	1066	31.60
12155	1300	572	4.90	624	6.05	682	7.83	736	9.80	787	12.00	835	14.30	880	16.80	924	19.50	967	22.40	1017	26.80	1066	31.60
13090	1400	584	5.36	634	6.57	691	8.42	745	10.50	795	13.00	843	15.20	889	17.80	932	20.30	975	23.20	1026	28.60	1075	33.80
14025	1500	598	5.87	645	7.12	702	9.08	751	11.30	800	14.50	848	16.10	894	18.80	937	21.50	979	24.30	1030	30.50	1079	35.70
14960	1600	612	6.39	658	7.72	702	9.08	745	10.50	787	12.00	835	14.30	880	16.80	924	19.50	967	22.40	1017	26.80	1066	31.60
15895	1700	628	6.98	671	8.33	713	9.73	756	11.20	803	15.00	850	15.70	896	18.50	939	20.80	982	23.60	1033	28.90	1082	34.10
16830	1800	644	7.57	686	9.01	727	10.50	769	12.00	805	13.50	843	15.20	880	16.80	924	19.50	967	22.40	1017	26.80	1066	31.60
17765	1900	662	8.26	702	9.01	741	11.30	779	12.80	817	14.50	853	16.10	889	17.80	924	19.50	967	22.40	1017	26.80	1066	31.60
18700	2000	680	8.97	718	10.50	756	12.10	793	13.70	829	15.40	864	17.10	899	18.80	933	20.60	967	22.40	1017	26.80	1066	31.60
20570	2200	718	10.50	754	12.20	789	13.90	827	15.70	862	17.40	897	19.20	932	21.00	964	22.90	998	24.90	1032	27.50	1066	31.60
22440	2400	757	12.30	791	14.10	823	15.90	858	17.80	887	19.70	918	21.80	949	23.50	980	25.50	1011	27.50	1042	29.50	1073	33.60
24310	2600	799	14.30	830	16.10	860	18.10	891	20.20	920	22.10	950	24.20	979	26.30	1007	28.30	1036	30.50	1063	32.60	1093	34.70
26180	2800	842	16.60	871	18.60	900	20.70	928	22.80	956	24.90	984	27.10	1011	29.30	1038	31.50	1065	33.70	1091	36.00	1117	

3000 SERIES

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

SINGLE WIDTH
SINGLE INLET

SIZE 3045

SIZE 3045	-20° to 150°F	-29° to 66°C
CLASS I	864	
CLASS II	1127	
CLASS III	1420	
CLASS IV	1630	

Wheel Diameter	44.50 inches	1130 mm
Wheel Circumference	11.65 feet	3.551 m
Inlet Diameter/Area	47.75 inches sq./12.42 sq. ft.	1213 mm/1.154 m ²
Outlet Size/Area	46.98 x 35.04 inches I.D./11.43 sq. ft.	1193 x 890 mm/1.062 m ²
Tip Speed	11.65 x RPM ft./minute	3.551 x RPM m/minute
Maximum BHP	47.21 x (RPM ÷ 1000) ³ BHP	35.21 x (RPM ÷ 1000) ³ kW

VOL CFM	OUT VEL	¾" SP		1" SP		1½" SP		2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP											
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP										
9128	800	233	0.59	255	0.78	277	0.98	297	1.17	317	1.38	336	1.59	355	1.81	372	2.04	388	2.28	402	2.53	416	2.79	429	3.05	442	3.31	454	3.58	466	3.84	477	4.10	488	4.37	499	4.63
10269	900	252	0.74	274	0.95	291	1.15	310	1.37	328	1.58	346	1.82	362	2.07	378	2.32	392	2.58	406	2.84	419	3.10	432	3.36	444	3.62	456	3.88	467	4.14	478	4.40	489	4.66	499	4.92
11410	1000	271	0.91	288	1.12	307	1.36	324	1.59	341	1.83	358	2.09	374	2.33	387	2.58	401	2.84	416	3.10	429	3.36	442	3.62	454	3.88	466	4.14	477	4.40	488	4.66	499	4.92	510	5.18
12551	1100	291	1.11	308	1.36	324	1.60	340	1.85	356	2.11	372	2.39	387	2.65	402	2.91	416	3.17	429	3.43	442	3.69	454	3.95	466	4.21	477	4.47	488	4.73	499	4.99	510	5.25	521	5.51
13692	1200	311	1.34	326	1.59	342	1.87	357	2.14	372	2.42	386	2.70	401	3.00	416	3.26	429	3.52	442	3.78	454	4.04	466	4.30	477	4.56	488	4.82	499	5.08	510	5.34	521	5.60	532	5.86
14933	1300	331	1.59	347	1.90	361	2.18	375	2.47	388	2.75	402	3.06	416	3.38	429	3.69	442	4.01	454	4.33	466	4.65	477	4.97	488	5.29	499	5.61	510	5.93	521	6.25	532	6.57	543	6.89
15974	1400	353	1.90	367	2.22	380	2.52	393	2.82	406	3.14	419	3.46	432	3.80	445	4.12	458	4.44	471	4.76	484	5.08	497	5.40	510	5.72	521	6.04	532	6.36	543	6.68	554	7.00	565	7.32
17115	1500	374	2.24	387	2.57	400	2.90	412	3.23	424	3.55	437	3.92	449	4.26	462	4.59	474	4.94	486	5.28	498	5.62	510	5.96	521	6.30	532	6.64	543	6.98	554	7.32	565	7.66	576	8.00
18256	1600	396	2.63	407	2.95	420	3.33	432	3.69	443	4.02	455	4.40	466	4.75	478	5.10	489	5.46	500	5.82	511	6.18	522	6.54	533	6.90	544	7.26	555	7.62	566	7.98	577	8.34	588	8.70
19397	1700	418	3.06	429	3.42	440	3.78	452	4.18	463	4.56	474	4.94	485	5.33	496	5.72	507	6.10	518	6.48	529	6.86	540	7.24	551	7.62	562	8.00	573	8.38	584	8.76	595	9.14	606	9.52
20538	1800	440	3.47	450	3.91	461	4.31	472	4.71	482	5.10	493	5.52	503	5.91	513	6.32	523	6.72	533	7.12	543	7.52	553	7.92	563	8.32	573	8.72	583	9.12	593	9.52	603	9.92	613	10.32
21679	1900	462	4.07	472	4.48	482	4.88	492	5.29	503	5.74	512	6.13	522	6.56	532	6.99	542	7.42	552	7.85	562	8.28	572	8.71	582	9.14	592	9.57	602	10.00	612	10.43	622	10.86	632	11.29
22820	2000	484	4.65	494	5.09	504	5.53	513	5.94	523	6.40	532	6.82	542	7.29	550	7.76	559	8.23	568	8.70	577	9.17	586	9.64	595	10.11	604	10.58	613	11.05	622	11.52	631	12.00	640	12.47
25102	2200	529	6.01	537	6.44	547	6.96	555	7.41	564	7.90	573	8.39	581	8.85	589	9.31	597	9.77	605	10.23	613	10.69	621	11.15	629	11.61	637	12.07	645	12.53	653	13.00	661	13.46	669	13.90
27384	2400	574	7.81	581	8.06	590	8.52	598	9.14	606	9.65	614	10.20	622	10.70	630	11.21	638	11.72	646	12.23	654	12.74	662	13.25	670	13.76	678	14.27	686	14.78	694	15.29	702	15.80	710	16.31
29666	2600	619	9.47	626	10.00	634	10.60	641	11.10	649	11.70	657	12.20	664	12.80	672	13.30	680	13.80	688	14.30	696	14.80	704	15.30	712	15.80	720	16.30	728	16.80	736	17.30	744	17.80	752	18.30
31948	2800	664	11.60	671	12.20	678	12.80	685	13.40	692	14.00	699	14.60	706	15.20	713	15.80	720	16.40	727	17.00	734	17.60	741	18.20	748	18.80	755	19.40	762	20.00	769	20.60	776	21.20	783	21.80
34230	3000	710	14.10	716	14.70	723	15.40	729	16.00	736	16.70	742	17.30	749	18.00	756	18.60	763	19.20	770	19.80	777	20.40	784	21.00	791	21.60	798	22.20	805	22.80	812	23.40	819	24.00	826	24.60
36512	3200	755	16.90	761	17.60	768	18.30	774	19.00	780	19.70	786	20.40	792	21.00	798	21.70	804	22.40	810	23.00	816	23.70	822	24.40	828	25.00	834	25.70	840	26.40	846	27.00	852	27.70	858	28.40
38794	3400	801	20.10	807	20.90	812	21.50	818	22.30	824	23.00	830	23.80	836	24.50	842	25.30	848	26.00	854	26.70	860	27.50	866	28.20	872	29.00	878	29.70	884	30.50	890	31.20	896	32.00	902	32.70
41076	3600	847	23.70	852	24.40	858	25.30	863	26.00	869	26.80	874	27.50	880	28.40	886	29.20	891	30.00	897	30.80	902	31.60	908	32.40	914	33.20	920	34.00	926	34.80	932	35.60	938	36.40	944	37.20
43358	3800	893	27.90	898	28.50	903	29.30	908	30.10	913	30.90	919	31.80	924	32.60	930	33.40	936	34.20	942	35.00	948	35.80	954	36.60	960	37.40	966	38.20	972	39.00	978	39.80	984	40.60	990	41.40
45640	4000	938	32.10	943	32.90	948	33.80	953	34.70	958	35.50	963	36.40	968	37.20	973	38.00	978	38.80	983	39.60	988	40.40	993	41.20	998	42.00	1003	42.80	1008	43.60	1013	44.40	1018	45.20	1023	46.00
47922	4200	984	37.00	989	37.90	994	38.80	999	39.70	1003	40.60	1008	41.50	1013	42.40	1018	43.30	1023	44.20	1028	45.10	1033	46.00	1038	46.90	1043	47.80	1048	48.70	1053	49.60	1058	50.50	1063	51.40	1068	52.30
50204	4400	1030	42.00	1035	43.30	1039	44.20	1044	45.20	1049	46.20	1053	47.10	1057	47.90	1062	48.80	1067	49.70	1072	50.60	1077	51.50	1082	52.40	1087	53.30	1092	54.20	1097	55.10	1102	56.00	1107	56.90	1112	57.80
52486	4600	1076	48.20	1081	49.20	1085	50.20	1089	51.10	1094	52.20	1098	53.10	1102	54.10	1107	55.00	1111	56.00	1116	56.90	1121	57.80	1126	58.70	1131	59.60	1136	60.50	1141	61.40	1146	62.30	1151	63.20	1156	64.10
54768	4800	1123	54.70	1127	55.70	1131	56.70	1135	57.70	1139	58.70	1143	59.70	1148	60.70	1152	61.70	1156	62.70	1161	63.70	1165	64.70	1170	65.70	1174	66.70	1179	67.70	1183	68.70	1188	69.70	1192	70.70	1197	71.70
57050	5000	1169	61.60	1173	62.70	1177	63.50	1181	64.80	1184	65.70	1189	66.70	1193	67.60	1198	68.60	1201	70.20	1205	71.10	1209	72.00	1213	72.90	1217	73.80	1221	74.70	1225	75.60	1229	76.50	1233	77.40	1237	78.30
59332	5200	1215	69.10	1219	70.30	1222	71.20	1226	72.40	1230	73.50	1234	74.60	1238	75.80	1245	77.90	1253	80.20	1261	82.50	1269	84.80	1277	87.10	1285	89.40	1293	91.70	1301	94.00	1309	96.30	1317	98.60	1325	100.90

VOL CFM	OUT VEL
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SILENTVANE™

SIZE 3049

SINGLE WIDTH
SINGLE INLET

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

Wheel Diameter	49.00 inches	1245 mm
Wheel Circumference	12.83 feet	3.911 m
Inlet Diameter/Area	52.5 inches sq./15.02 sq. ft.	1334 mm/1.395 m ²
Outlet Size/Area	51.67 x 38.79 inches I.D./13.92 sq. ft.	1312 x 985 mm/1.293 m ²
Tip Speed	12.83 x RPM ft./minute	3.909 x RPM m/minute
Maximum BHP	76.34 x (RPM ÷ 1000) ³ BHP	56.93 x (RPM ÷ 1000) ³ kW

SIZE 3049	-20° to 150°F	-29° to 66°C
CLASS I	788	
CLASS II	1028	
CLASS III	1295	
CLASS IV	1480	

VOL CFM	OUT VEL	¼" SP		⅜" SP		½" SP		¾" SP		1" SP		1¼" SP		1½" SP		1¾" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP								
11128	800	212	0.72	232	0.95	252	1.19	270	1.43	289	1.70	306	1.95	323	2.22		
12519	900	229	0.90	247	1.15	265	1.41	281	1.66	299	1.95	315	2.23	331	2.52	362	3.13
13910	1000	247	1.12	263	1.38	280	1.67	296	1.97	311	2.25	326	2.55	340	2.84	370	3.51
15301	1100	265	1.36	280	1.65	296	1.97	310	2.27	324	2.58	338	2.90	352	3.23	379	3.92
16692	1200	284	1.65	298	1.97	312	2.30	326	2.64	339	2.97	352	3.31	365	3.66	390	4.38
18083	1300	302	1.95	316	2.31	329	2.67	341	3.01	354	3.38	367	3.77	379	4.14	403	4.91
19474	1400	322	2.34	334	2.70	346	3.07	359	3.48	370	3.84	382	4.25	393	4.63	416	5.45
20865	1500	341	2.74	353	3.15	365	3.57	376	3.97	387	4.37	398	4.79	409	5.21	430	6.05
22256	1600	361	3.22	372	3.64	383	4.08	394	4.52	404	4.94	414	5.36	425	5.83	445	6.72
23647	1700	381	3.75	392	4.22	402	4.67	412	5.12	422	5.58	432	6.05	442	6.53	461	7.46
25038	1800	401	4.34	411	4.82	421	5.31	430	5.77	440	6.27	449	6.74	458	7.22	477	8.24
26429	1900	421	4.98	431	5.51	440	6.01	449	6.50	458	7.01	467	7.53	476	8.05	493	9.06
27820	2000	442	5.73	450	6.22	459	6.76	468	7.30	477	7.85	485	8.36	493	8.87	511	10.00
30602	2200	482	7.35	490	7.92	498	8.49	507	9.13	515	9.72	522	10.30	530	10.90	546	12.10
33384	2400	523	9.30	531	10.00	538	10.60	546	11.20	553	11.90	560	12.50	567	13.10	582	14.40
36166	2600	565	11.70	572	12.30	579	13.00	585	13.60	592	14.40	599	15.10	605	15.70	619	17.10
38948	2800	606	14.30	613	15.10	619	15.80	626	16.60	631	17.20	638	18.00	644	18.70	657	20.20
41730	3000	648	17.40	654	18.20	660	18.90	666	19.70	671	20.40	677	21.20	683	22.10	695	23.70
44512	3200	689	20.80	695	21.70	701	22.50	706	23.30	712	24.20	717	25.00	723	25.90	734	27.60
47294	3400	731	24.80	737	25.70	742	26.60	747	27.40	752	28.30	757	29.20	763	30.20	773	31.90
50076	3600	773	29.20	778	30.10	783	31.10	788	32.00	793	33.00	798	33.90	803	34.90	813	36.80
52858	3800	815	34.10	819	35.00	824	36.10	829	37.10	834	38.10	839	39.20	843	40.00	852	42.00
55640	4000	857	39.60	861	40.60	866	41.70	870	42.60	875	43.80	879	44.70	884	45.90	892	47.80
58422	4200	899	45.60	903	46.70	907	47.70	912	48.90	916	50.00	920	51.00	925	52.30	933	54.40
61204	4400	941	52.20	945	53.30	949	54.50	953	55.60	957	56.70	961	57.90	965	59.00	973	61.30
63986	4600	983	59.50	987	60.70	991	61.90	995	63.10	999	64.30	1002	65.30	1006	66.60	1014	69.00
66768	4800	1025	67.30	1029	68.60	1032	69.70	1036	71.00	1040	72.30	1044	73.60	1047	74.70	1055	77.30
69550	5000	1067	75.90	1071	77.20	1074	78.40	1078	79.80	1081	81.00	1085	82.30	1089	83.80	1096	86.30
72332	5200	1109	85.10	1112	86.30	1116	87.80	1119	89.00	1123	90.50	1126	91.70	1130	93.30	1137	96.00

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP																
16692	1200	462	6.68	513	9.01																
18083	1300	471	7.33	521	9.77	561	11.70														
19474	1400	481	8.02	530	10.60	568	12.50	605	14.60												
20865	1500	491	8.70																		
22256	1600	503	9.50	541	11.50	577	13.50	612	15.60	646	17.70										
23647	1700	517	10.40	552	12.40	587	14.50	621	16.70	654	19.00	686	21.30								
25038	1800	530	11.30	564	13.40	598	15.60	630	17.80	662	20.20	693	22.50	724	25.00						
26429	1900	545	12.30	577	14.50	609	16.70	641	19.10	671	21.50	702	24.00	731	26.50	760	29.10				
27820	2000	559	13.30	591	15.70	622	18.00	652	20.40	682	22.90	710	25.40	739	28.00	767	30.60	795	33.40		
30602	2200	591	15.70	620	18.20	649	20.70	677	23.30	704	25.90	732	28.70	758	31.30	784	34.10	811	37.10	836	39.90
33384	2400	624	18.40	651	21.00	678	23.80	704	26.50	730	29.30	755	32.10	780	35.00	805	38.00	830	41.10	854	44.10
36166	2600	658	21.40	683	24.20	708	27.00	733	30.00	758	33.10	781	36.00	805	39.10	829	42.30	851	45.30	875	48.70
38948	2800	693	24.70	717	27.70	741	30.90	764	34.00	787	37.20	810	40.40	832	43.60	854	46.90	876	50.20	898	53.70
41730	3000	730	28.60	752	31.70	774	35.00	796	38.30	818	41.70	839	45.00	860	48.40	882	52.10	902	55.40	923	59.10
44512	3200	766	32.60	788	36.20	809	39.70	829	43.00	850	46.70	870	50.20	890	53.80	911	57.60	930	61.10	950	65.00
47294	3400	804	37.30	824	41.00	844	44.70	864	48.40	883	52.00	903	55.90	922	59.70	941	63.50	960	67.40	978	71.20
50076	3600	842	42.50	861	46.30	880	50.20	899	54.10	918	58.10	936	62.00	954	65.90	972	69.90	990	74.00	1008	78.10
52858	3800	880	48.00	898	52.00	917	56.30	934	60.20	952	64.40	970	68.60	987	72.70	1005	77.10	1022	81.20	1039	85.50
55640	4000	919	54.30	936	58.40	954	62.80	971	67.10	988	71.40	1005	75.80	1021	80.00	1038	84.50	1055	89.10	1071	93.40
58422	4200	958	61.00	975	65.50	991	69.90	1008	74.50	1024	79.00	1040	83.40	1056	88.00	1072	92.60	1088	97.30	1104	102.00
61204	4400	998	68.40	1013	72.90	1029	77.60	1045	82.30	1061	87.20	1076	91.80	1092	96.70	1107	101.00	1122	106.00	1137	111.00
63986	4600	1037	76.20	1053	81.20	1068	86.10	1083	91.00	1098	95.90	1113	101.00	1128	106.00	1142	111.00	1157	116.00	1171	121.00
66768	4800	1077	84.80	1092	90.00	1106	94.90	1121	100.00	1135	105.00	1150	110.00	1164	116.00	1178	121.00	1192	126.00	1206	131.00
69550	5000	1117	94.10	1131	99.30	1145	105.00	1159	110.00	1173	115.00	1187	121.00	1201	126.00	1215	132.00	1228	137.00	1242	142.00
72332	5200	1157	104.00	1171	110.00	1184	115.00	1198	121.00	1212	126.00	1225	132.00	1238	137.00	1251	143.00	1264	148.00	1278	154.00

VOL CFM	OUT VEL	7" SP		8" SP		9" SP		10" SP		11" SP		12" SP		13" SP		14" SP		15" SP		16" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	B												

3000 SERIES

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

SINGLE WIDTH
SINGLE INLET

SIZE 3054

SIZE 3054	-20° to 150°F	-29° to 66°C
CLASS I	709	
CLASS II	925	
CLASS III	1166	
CLASS IV	1335	

Wheel Diameter	54.25 inches	1378 mm
Wheel Circumference	14.20 feet	4.328 m
Inlet Diameter/Area	58.25 inches sq./18.49 sq. ft.	1480 mm/1.718 m ²
Outlet Size/Area	57.29 x 42.79 inches I.D./17.03 sq. ft.	1455 x 1087 mm/1.582 m ²
Tip Speed	14.20 x RPM ft./minute	4.328 x RPM m/minute
Maximum BHP	126.8 x (RPM ÷ 1000) ³ BHP	94.56 x (RPM ÷ 1000) ³ kW

VOL CFM	OUT VEL	¾" SP		1" SP		1¼" SP		1½" SP		1¾" SP											
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP										
13584	800	191	0.88	209	1.15	227	1.45	244	1.75	260	2.05	276	2.38	291	2.69	327	3.83	359	5.10	388	6.50
15282	900	206	1.09	223	1.41	239	1.72	254	2.04	270	2.39	284	2.71	298	3.06	337	4.25	365	5.62		
16980	1000	221	1.36	237	1.68	252	2.03	266	2.37	280	2.73	294	3.11	307	3.48	333	4.25	359	5.10		
18678	1100	239	1.66	252	2.00	266	2.38	279	2.75	292	3.14	305	3.54	318	3.96	342	4.78	365	5.62		
20376	1200	255	1.98	268	2.38	280	2.76	293	3.19	305	3.60	317	4.02	329	4.46	352	5.35	374	6.24	396	7.20
22074	1300	272	2.37	284	2.80	296	3.24	308	3.69	319	4.12	330	4.56	341	5.01	363	5.96	384	6.92	405	7.93
23772	1400	289	2.81	301	3.29	312	3.75	323	4.22	334	4.71	344	5.16	355	5.67	375	6.64	395	7.66	414	8.67
25470	1500	307	3.33	318	3.83	328	4.31	338	4.79	348	5.29	359	5.85	368	6.32	387	7.34	407	8.47	425	9.52
27168	1600	325	3.91	335	4.43	345	4.96	355	5.51	364	6.01	373	6.52	383	7.10	401	8.18	419	9.30	437	10.50
28866	1700	343	4.55	352	5.09	362	5.68	371	6.22	380	6.78	389	7.35	398	7.93	415	9.06	432	10.20	449	11.40
30564	1800	361	5.27	370	5.85	379	6.45	387	6.99	396	7.61	405	8.23	413	8.81	429	9.80	446	11.30	466	12.50
32262	1900	379	6.05	388	6.69	396	7.29	404	7.88	413	8.56	421	9.18	429	9.80	445	11.10	460	12.30	476	13.70
33960	2000	397	6.91	405	7.55	413	8.19	421	8.85	429	9.51	437	10.20	445	10.90	460	12.20	475	13.50	490	14.90
37356	2200	434	8.92	441	9.61	449	10.40	456	11.10	463	11.80	470	12.50	477	13.20	491	14.60	505	16.10	519	17.60
40752	2400	471	11.30	478	12.10	485	12.90	491	13.60	498	14.40	504	15.10	511	16.00	524	17.50	537	19.10	549	20.70
44148	2600	508	14.10	514	14.90	521	15.80	527	16.60	533	17.40	539	18.30	545	19.10	557	20.80	569	22.50	581	24.20
47544	2800	545	17.30	551	18.20	557	19.10	562	19.90	568	20.90	574	21.80	580	22.70	591	24.50	602	26.30	613	28.10
50940	3000	583	21.10	588	22.00	594	23.00	599	23.90	604	24.80	610	25.90	615	26.80	626	28.80	636	30.70	647	32.70
54336	3200	620	25.20	625	26.20	631	27.40	635	28.50	640	29.30	646	30.40	651	31.50	660	33.40	670	35.50	679	37.60
57732	3400	658	30.10	663	31.20	668	32.30	672	33.20	677	34.40	682	35.50	686	36.50	696	38.80	705	40.90	714	43.00
61128	3600	695	35.30	700	36.50	704	37.60	709	38.80	713	39.90	718	41.10	722	42.20	731	44.50	740	46.80	749	49.20
64524	3800	733	41.30	737	42.50	742	43.80	746	45.00	750	46.10	754	47.30	759	48.70	767	51.00	776	53.60	784	55.90
67920	4000	771	48.00	775	49.20	779	50.50	783	51.80	787	53.00	791	54.30	795	55.50	803	58.10	811	60.80	819	63.20
71316	4200	809	55.30	812	56.50	816	57.80	820	59.20	824	60.60	828	61.90	832	63.30	840	66.10	847	68.60	855	71.40
74712	4400	846	63.20	850	64.60	854	66.10	858	67.60	861	68.80	865	70.30	869	71.70	876	74.40	883	77.20	890	79.90
78108	4600	884	72.00	888	73.50	891	74.80	895	76.40	898	77.70	902	79.30	905	80.70	913	83.90	919	86.50	926	89.50
81504	4800	922	81.50	925	82.90	929	84.60	932	86.00	936	87.70	939	89.10	942	90.60	949	93.70	956	96.80	963	99.50
84900	5000	960	91.90	963	93.40	966	94.90	970	96.70	973	98.20	976	100.00	979	101.00	986	105.00	992	108.00	999	111.00
88296	5200	998	103.00	1001	105.00	1004	106.00	1007	108.00	1010	110.00	1013	111.00	1017	113.00	1023	116.00	1029	120.00	1035	123.00

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
20376	1200	417	8.16	463	11.00																
22074	1300	425	8.94	470	11.90	506	14.20														
23772	1400	433	9.72	479	13.00	513	15.30	546	17.80												
25470	1500	443	10.60	479	13.00																
27168	1600	454	11.60	488	14.00	521	16.50	553	19.10	583	21.60										
28866	1700	465	12.60	498	15.10	530	17.80	560	20.40	590	23.10	619	25.90								
30564	1800	478	13.80	509	16.40	539	19.00	569	21.80	597	24.60	626	27.60	653	30.50						
32262	1900	491	15.00	521	17.70	550	20.50	578	23.30	606	26.30	633	29.20	659	32.20	686	35.50				
33960	2000	504	16.20	533	19.10	561	22.00	588	24.90	615	27.90	641	31.00	667	34.20	692	37.30	717	40.70		
37356	2200	532	19.10	559	22.10	585	25.30	610	28.30	635	31.60	660	34.90	684	38.20	708	41.70	731	45.10	754	48.60
40752	2400	562	22.30	587	25.60	611	28.90	635	32.30	658	35.70	681	39.20	704	42.80	726	46.30	748	49.90	770	53.70
44148	2600	593	26.00	616	29.50	639	33.10	661	36.60	683	40.30	704	43.80	726	47.70	747	51.50	768	55.30	789	59.30
47544	2800	624	30.00	646	33.80	668	37.70	688	41.30	709	45.20	730	49.20	750	53.10	770	57.10	790	61.30	809	65.20
50940	3000	657	34.60	677	38.50	697	42.50	717	46.60	737	50.80	757	55.00	776	59.20	795	63.40	813	67.50	832	71.90
54336	3200	690	39.70	709	43.90	728	48.10	747	52.40	766	56.80	784	61.10	802	65.40	821	70.10	838	74.40	856	79.00
57732	3400	724	45.40	742	49.80	760	54.30	778	58.80	796	63.50	813	67.90	830	72.50	848	77.40	865	82.10	882	86.90
61128	3600	758	51.60	775	56.20	793	61.10	809	65.70	826	70.50	843	75.40	860	80.40	876	85.20	892	90.00	908	95.00
64524	3800	792	58.30	809	63.40	825	68.20	841	73.20	858	78.40	874	83.50	890	88.70	905	93.60	921	98.90	936	104.00
67920	4000	827	65.80	843	71.00	859	76.40	874	81.50	890	86.90	905	92.20	920	97.40	935	103.00	950	108.00	965	114.00
71316	4200	862	73.90	878	79.60	892	84.50	907	90.30	922	95.90	937	102.00	951	107.00	966	113.00	980	118.00	994	124.00
74712	4400	898	83.00	912	88.50	926	94.10	941	100.00	955	106.00	969	112.00	983	117.00	997	123.00	1011	129.00	1024	135.00
78108	4600	934	92.70	947	98.40	961	104.														

SILENTVANE™

SIZE 3060 SINGLE WIDTH SINGLE INLET

MAXIMUM CLASS OPERATING RPM FAN TEMPERATURE

Wheel Diameter	60.00 inches	1524 mm
Wheel Circumference	15.71 feet	4.785 m
Inlet Diameter/Area	64.0 inches sq./22.32 sq. ft.	1626 mm/2.074 m ²
Outlet Size/Area	63.29 x 47.17 inches I.D./20.73 sq. ft.	1608 x 1198 mm/1.926 m ²
Tip Speed	15.71 x RPM ft./minute	4.785 x RPM m/minute
Maximum BHP	209.7 x (RPM ÷ 1000) ³ BHP	156.4 x (RPM ÷ 1000) ³ kW

SIZE 3060	-20° to 150°F	-29° to 66°C
CLASS I	640	
CLASS II	835	
CLASS III	1052	
CLASS IV	1210	

VOL CFM	OUT VEL	¼" SP		½" SP		¾" SP		1" SP		1½" SP		2" SP		3" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
16568	800	173	1.08	189	1.41	205	1.77	220	2.12	235	2.50	250	2.91	264	3.32
18639	900	186	1.33	201	1.70	216	2.10	230	2.50	243	2.88	257	3.33	270	3.76
20710	1000	200	1.63	214	2.05	227	2.46	240	2.88	253	3.33	265	3.77	277	4.22
22781	1100	215	2.00	228	2.45	240	2.90	252	3.36	264	3.84	275	4.30	286	4.77
24852	1200	230	2.41	242	2.90	253	3.37	265	3.90	275	4.36	286	4.89	297	5.43
26923	1300	246	2.91	257	3.43	267	3.93	278	4.49	288	5.01	298	5.55	308	6.11
28994	1400	261	3.43	271	3.97	282	4.58	291	5.11	301	5.70	311	6.31	320	6.88
31065	1500	277	4.05	286	4.61	296	5.24	305	5.83	315	6.50	323	7.05	332	7.68
33136	1600	293	4.75	302	5.37	311	6.02	320	6.68	328	7.28	337	7.97	346	8.67
35207	1700	309	5.52	318	6.21	326	6.86	334	7.52	343	8.26	351	8.94	359	9.64
37278	1800	325	6.36	334	7.13	342	7.84	350	8.57	357	9.23	365	10.00	373	10.70
39349	1900	342	7.37	350	8.13	357	8.84	365	9.63	372	10.40	379	11.10	387	11.90
41420	2000	359	8.47	366	9.23	373	10.00	380	10.80	387	11.60	394	12.40	401	13.20
45562	2200	391	10.80	398	11.70	405	12.60	411	13.40	418	14.30	424	15.20	431	16.10
49704	2400	425	13.80	431	14.70	437	15.60	443	16.50	449	17.50	455	18.50	461	19.40
53846	2600	458	17.10	464	18.10	469	19.10	475	20.20	481	21.20	486	22.20	492	23.30
57988	2800	492	21.10	497	22.10	502	23.20	507	24.20	513	25.40	518	26.50	523	27.60
62130	3000	526	25.60	530	26.60	535	27.80	540	29.00	545	30.20	550	31.40	555	32.60
66272	3200	559	30.60	564	31.90	568	33.00	573	34.40	578	35.70	582	36.80	587	38.20
70414	3400	593	36.40	597	37.70	602	39.10	606	40.40	610	41.60	615	43.10	619	44.40
74556	3600	627	42.90	631	44.30	635	45.70	639	47.00	643	48.40	647	49.80	651	51.20
78698	3800	661	50.20	665	51.80	669	53.10	673	54.70	676	55.90	680	57.40	684	58.90
82840	4000	695	58.20	699	59.80	702	61.10	706	62.80	710	64.40	713	65.80	717	67.50
86982	4200	729	67.00	732	68.50	736	70.20	740	72.00	743	73.50	747	75.30	750	76.80
91124	4400	763	76.70	766	78.30	770	80.20	773	81.80	776	83.30	780	85.30	783	86.90
95266	4600	797	87.20	800	88.90	803	90.60	807	92.70	810	94.40	813	96.10	816	97.80
99408	4800	831	99.50	834	101.00	837	102.00	841	105.00	844	106.00	847	108.00	850	110.00
103550	5000	865	111.00	868	113.00	871	115.00	874	117.00	877	119.00	880	121.00	883	123.00
107692	5200	899	125.00	902	127.00	905	129.00	908	131.00	911	133.00	914	135.00	917	137.00

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP												
24852	1200	377	10.00																
26923	1300	383	10.80	419	13.50														
28994	1400	391	11.80	425	14.50	457	17.30												
31065	1500	401	13.00	432	15.70	463	18.60	494	21.80										
33136	1600	410	14.10	441	17.10	470	20.00	499	23.20										
35207	1700	421	15.50	450	18.50	478	21.60	506	24.80	533	28.20	559	31.50						
37278	1800	432	16.80	460	20.00	487	23.20	514	26.60	540	30.10	565	33.50	590	37.20				
39349	1900	443	18.20	470	21.50	496	24.90	522	28.40	547	31.90	572	35.60	596	39.40	620	43.30		
41420	2000	455	19.80	481	23.20	507	26.80	531	30.30	555	33.90	579	37.80	603	41.70	626	45.70	648	49.60
45562	2200	480	23.20	505	27.00	528	30.70	551	34.60	574	38.50	598	42.50	618	46.60	640	50.90	661	55.10
49704	2400	507	27.10	530	31.20	551	35.10	573	39.30	594	43.40	615	47.70	636	52.10	656	56.40	676	60.90
53846	2600	535	31.60	556	35.90	576	40.10	597	44.60	617	49.10	636	53.50	656	58.20	675	62.80	694	67.50
57988	2800	563	36.50	583	41.10	602	45.60	622	50.50	640	55.00	659	59.90	677	64.60	695	69.50	713	74.50
62130	3000	592	42.00	611	46.90	629	51.70	647	56.70	665	61.70	683	66.90	700	71.90	718	77.30	734	82.20
66272	3200	622	48.20	640	53.40	657	58.50	674	63.70	691	69.00	708	74.50	724	79.70	741	85.30	757	90.70
70414	3400	653	55.10	669	60.40	686	66.10	702	71.50	718	77.10	734	82.70	750	88.50	765	94.00	781	100.00
74556	3600	684	62.80	699	68.30	715	74.20	730	79.90	746	86.00	761	91.80	776	97.70	791	104.00	805	110.00
78698	3800	715	71.00	730	77.10	745	83.20	759	89.00	774	95.30	788	101.00	803	108.00	817	114.00	831	120.00
82840	4000	746	80.00	760	86.20	775	92.90	789	99.20	803	106.00	816	112.00	830	118.00	844	125.00	857	132.00
86982	4200	778	90.00	791	96.40	805	103.00	818	110.00	832	117.00	845	123.00	858	130.00	871	137.00	884	144.00
91124	4400	810	101.00	823	108.00	836	115.00	849	122.00	862	129.00	874	136.00	887	143.00	899	150.00	912	157.00
95266	4600	842	112.00	854	119.00	867	127.00	879	134.00	892	142.00	904	149.00	916	156.00	928	164.00	940	171.00
99408	4800	874	125.00	886	132.00	898	140.00	911	148.00	922	155.00	934	163.00	945	170.00	957	178.00	969	186.00
103550	5000	907	139.00	918	146.00	930	154.00	941	162.00	953	170.00	964	178.00	975	186.00	987	194.00	998	202.00
107692	5200	939	153.00	950	161.00	962	170.00	973	178.00	984	186.00	995	195.00	1006	203.00	1016	211.00	1027	219.00

VOL CFM	OUT VEL	7" SP		8" SP		9" SP		10" SP		11" SP		12" SP		13" SP		14" SP		15" SP		16" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
45562	2200	702	63.70																		
49704	2400	716	70.30	754	79.70	791	89.20														
53846	2600	731	77.10	768	87.20	803	97.20	838	108.00												
57988	2800	749	84.80	783	95.00	817	106.00	850	116.00	883	128.00	915	139.00								
62130	3000	768	92.90	801	104.00	833	115.00	865	126.00	896	138.00	927	149.00	958	162.00	987	174.00				
66272	3200	789	102.00	820	113.00	851	125.00	882	137.00	912	149.0										

3000 SERIES

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

SINGLE WIDTH
SINGLE INLET

SIZE 3066

SIZE 3066	-20° to 150°F	-29° to 66°C
CLASS I	586	
CLASS II	764	
CLASS III	963	
CLASS IV	1100	

Wheel Diameter	66.00 inches	1676 mm
Wheel Circumference	17.30 feet	5.273 m
Inlet Diameter/Area	70.0 inches sq./26.70 sq. ft.	1778 mm/2.480 m ²
Outlet Size/Area	69.60 x 52.42 inches I.D./25.34 sq. ft.	1768 x 1331 mm/2.354 m ²
Tip Speed	17.30 x RPM ft./minute	5.270 x RPM m/minute
Maximum BHP	338.2 x (RPM ÷ 1000) ³ BHP	252.2 x (RPM ÷ 1000) ³ kW

VOL CFM	OUT VEL	¾" SP		1" SP		1½" SP		2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
20240	800	158	1.33	172	1.72	187	2.16	201	2.61	214	3.06	227	3.53	240	4.04	253	4.60	269	5.20	284	5.74	299	6.26	316	6.85	332	7.42	349	8.00	366	8.58	383	9.16	400	9.74	417	10.32	434	10.90	451	11.48	468	12.06	485	12.64	502	13.22	519	13.80	536	14.38	553	14.96	570	15.54	587	16.12	604	16.70	621	17.28	638	17.86	655	18.44	672	19.02	689	19.60	706	20.18	723	20.76	740	21.34	757	21.92	774	22.50	791	23.08	808	23.66	825	24.24	842	24.82	859	25.40	876	25.98	893	26.56	910	27.14	927	27.72	944	28.30	961	28.88	978	29.46	995	30.04	1012	30.62	1029	31.20	1046	31.78	1063	32.36	1080	32.94	1097	33.52	1114	34.10	1131	34.68	1148	35.26	1165	35.84	1182	36.42	1199	37.00	1216	37.58	1233	38.16	1250	38.74	1267	39.32	1284	39.90	1301	40.48	1318	41.06	1335	41.64	1352	42.22	1369	42.80	1386	43.38	1403	43.96	1420	44.54	1437	45.12	1454	45.70	1471	46.28	1488	46.86	1505	47.44	1522	48.02	1539	48.60	1556	49.18	1573	49.76	1590	50.34	1607	50.92	1624	51.50	1641	52.08	1658	52.66	1675	53.24	1692	53.82	1709	54.40	1726	54.98	1743	55.56	1760	56.14	1777	56.72	1794	57.30	1811	57.88	1828	58.46	1845	59.04	1862	59.62	1879	60.20	1896	60.78	1913	61.36	1930	61.94	1947	62.52	1964	63.10	1981	63.68	1998	64.26	2015	64.84	2032	65.42	2049	66.00	2066	66.58	2083	67.16	2100	67.74	2117	68.32	2134	68.90	2151	69.48	2168	70.06	2185	70.64	2202	71.22	2219	71.80	2236	72.38	2253	72.96	2270	73.54	2287	74.12	2304	74.70	2321	75.28	2338	75.86	2355	76.44	2372	77.02	2389	77.60	2406	78.18	2423	78.76	2440	79.34	2457	79.92	2474	80.50	2491	81.08	2508	81.66	2525	82.24	2542	82.82	2559	83.40	2576	83.98	2593	84.56	2610	85.14	2627	85.72	2644	86.30	2661	86.88	2678	87.46	2695	88.04	2712	88.62	2729	89.20	2746	89.78	2763	90.36	2780	90.94	2797	91.52	2814	92.10	2831	92.68	2848	93.26	2865	93.84	2882	94.42	2899	95.00	2916	95.58	2933	96.16	2950	96.74	2967	97.32	2984	97.90	3001	98.48	3018	99.06	3035	99.64	3052	100.22	3069	100.80	3086	101.38	3103	101.96	3120	102.54	3137	103.12	3154	103.70	3171	104.28	3188	104.86	3205	105.44	3222	106.02	3239	106.60	3256	107.18	3273	107.76	3290	108.34	3307	108.92	3324	109.50	3341	110.08	3358	110.66	3375	111.24	3392	111.82	3409	112.40	3426	112.98	3443	113.56	3460	114.14	3477	114.72	3494	115.30	3511	115.88	3528	116.46	3545	117.04	3562	117.62	3579	118.20	3596	118.78	3613	119.36	3630	120.00	3647	120.58	3664	121.16	3681	121.74	3698	122.32	3715	122.90	3732	123.48	3749	124.06	3766	124.64	3783	125.22	3800	125.80	3817	126.38	3834	126.96	3851	127.54	3868	128.12	3885	128.70	3902	129.28	3919	129.86	3936	130.44	3953	131.02	3970	131.60	3987	132.18	4004	132.76	4021	133.34	4038	133.92	4055	134.50	4072	135.08	4089	135.66	4106	136.24	4123	136.82	4140	137.40	4157	137.98	4174	138.56	4191	139.14	4208	139.72	4225	140.30	4242	140.88	4259	141.46	4276	142.04	4293	142.62	4310	143.20	4327	143.78	4344	144.36	4361	144.94	4378	145.52	4395	146.10	4412	146.68	4429	147.26	4446	147.84	4463	148.42	4480	149.00	4497	149.58	4514	150.16	4531	150.74	4548	151.32	4565	151.90	4582	152.48	4599	153.06	4616	153.64	4633	154.22	4650	154.80	4667	155.38	4684	155.96	4701	156.54	4718	157.12	4735	157.70	4752	158.28	4769	158.86	4786	159.44	4803	160.02	4820	160.60	4837	161.18	4854	161.76	4871	162.34	4888	162.92	4905	163.50	4922	164.08	4939	164.66	4956	165.24	4973	165.82	4990	166.40	5007	166.98	5024	167.56	5041	168.14	5058	168.72	5075	169.30	5092	169.88	5109	170.46	5126	171.04	5143	171.62	5160	172.20	5177	172.78	5194	173.36	5211	173.94	5228	174.52	5245	175.10	5262	175.68	5279	176.26	5296	176.84	5313	177.42	5330	178.00	5347	178.58	5364	179.16	5381	179.74	5398	180.32	5415	180.90	5432	181.48	5449	182.06	5466	182.64	5483	183.22	5500	183.80	5517	184.38	5534	184.96	5551	185.54	5568	186.12	5585	186.70	5602	187.28	5619	187.86	5636	188.44	5653	189.02	5670	189.60	5687	190.18	5704	190.76	5721	191.34	5738	191.92	5755	192.50	5772	193.08	5789	193.66	5806	194.24	5823	194.82	5840	195.40	5857	195.98	5874	196.56	5891	197.14	5908	197.72	5925	198.30	5942	198.88	5959	199.46	5976	200.04	5993	200.62	6010	201.20	6027	201.78	6044	202.36	6061	202.94	6078	203.52	6095	204.10	6112	204.68	6129	205.26	6146	205.84	6163	206.42	6180	207.00	6197	207.58	6214	208.16	6231	208.74	6248	209.32	6265	209.90	6282	210.48	6299	211.06	6316	211.64	6333	212.22	6350	212.80	6367	213.38	6384	213.96	6401	214.54	6418	215.12	6435	215.70	6452	216.28	6469	216.86	6486	217.44	6503	218.02	6520	218.60	6537	219.18	6554	219.76	6571	220.34	6588	220.92	6605	221.50	6622	222.08	6639	222.66	6656	223.24	6673	223.82	6690	224.40	6707	224.98	6724	225.56	6741	226.14	6758	226.72	6775	227.30	6792	227.88	6809	228.46	6826	229.04	6843	229.62	6860	230.20	6877	230.78	6894	231.36	6911	231.94	6928	232.52	6945	233.10	6962	233.68	6979	234.26	6996	234.84	7013	235.42	7030	236.00	7047	236.58	7064	237.16	7081	237.74	7098	238.32	7115	238.90	7132	239.48	7149	240.06	7166	240.64	7183	241.22	7200	241.80	7217	242.38	7234	242.96	7251	243.54	7268	244.12	7285	244.70	7302	245.28	7319	245.86	7336	246.44	7353	247.02	7370	247.60	7387	248.18	7404	248.76	7421	249.34	7438	249.92	7455	250.50	7472	251.08	7489	251.66	7506	252.24	7523	252.82	7540	253.40	7557	253.98	7574	254.56	7591	255.14	7608	255.72	7625	256.30	7642	256.88	7659	257.46	7676	258.04	7693	258.62	7710	259.20	7727	259.78	7744	260.36	7761	260.94	7778	261.52	7795	262.10	7812	262.68	7829	263.26	7846	263.84	7863	264.42	7880	265.00	7897	265.58	7914	266.16	7931	266.74	7948	267.32	7965	267.90	7982	268.48	7999	269.06	8016	269.64	8033	270.22	8050	270.80	8067	271.38	8084	271.96	8101	272.54	8118	273.12	8135	273.70	8152	274.28	8169	274.86	8186	275.44	8203	276.02	8220	276.60	8237	277.18	8254	277.76	8271	278.34	8288	278.92	8305	279.50	8322	280.08	8339	280.66	8356	281.24	8373	281.82	8390	282.40	8407	282.98	8424	283.56	8441	284.14	8458	284.72	8475	285.30	8492	285.88	8509	286.46	8526	287.04	8543	287.62	8560	288.20	8577	288.78	8594	289.36	8611	289.94	8628	290.52	8645	291.10	8662	291.68	8679	292.26	8696	292.84	8713	293.42	8730	294.00	8747	294.58	8764	295.16	8781	295.74	8798	296.32	8815	296.90	8832	297.48	8849	298.06	8866	298.64	8883	299.22	8900	299.80	8917	300.38	8934	30

SILENTVANE™

SIZE 3073

SINGLE WIDTH
SINGLE INLET

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

Wheel Diameter	73.00 inches	1854 mm
Wheel Circumference	19.11 feet	5.822 m
Inlet Diameter/Area	82.0 inches sq./36.30 sq. ft.	2082 mm/3.372 m ²
Outlet Size/Area	76.98 x 57.61 inches I.D./30.80 sq. ft.	1955 x 1463 mm/2.861 m ²
Tip Speed	19.11 x RPM ft./minute	5.822 x RPM m/minute
Maximum BHP	559.4 x (RPM ÷ 1000) ³ BHP	417.2 x (RPM ÷ 1000) ³ kW

SIZE 3073	-20° to 150°F	-29° to 66°C
CLASS I	528	
CLASS II	689	
CLASS III	868	
CLASS IV	995	

VOL CFM	OUT VEL	¼" SP		⅜" SP		½" SP		¾" SP		1" SP		1½" SP		2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP								
24656	800	142	1.80	156	2.12	169	2.64	181	3.16	193	3.71	205	4.30	217	4.93
27738	900	154	2.01	166	2.40	178	2.94	191	3.54	204	4.29	217	4.92	229	5.58
30820	1000	166	2.49	177	3.09	187	3.66	198	4.32	209	5.02	219	5.68	229	6.37
33902	1100	177	2.97	188	3.67	198	4.34	208	5.03	218	5.77	227	6.45	236	7.15
36984	1200	190	3.62	200	4.36	209	5.07	218	5.79	227	6.54	236	7.32	245	8.13
40066	1300	202	4.28	212	5.13	221	5.94	229	6.68	237	7.45	245	8.23	254	9.14
43148	1400	216	5.17	224	5.98	232	6.80	240	7.64	248	8.50	256	9.38	264	10.30
46230	1500	229	6.10	237	7.00	244	7.83	252	8.77	259	9.62	267	10.60	274	11.50
49312	1600	242	7.12	249	8.02	257	9.05	264	10.00	271	10.90	278	11.90	285	12.90
52394	1700	255	8.25	262	9.25	269	10.30	276	11.30	283	12.40	290	13.40	296	14.40
55476	1800	268	9.50	275	10.60	282	11.70	289	12.90	295	13.90	301	14.90	307	16.00
58558	1900	283	11.10	289	12.20	295	13.30	301	14.40	307	15.50	313	16.60	319	17.80
61640	2000	296	12.80	302	13.80	308	15.00	314	16.20	319	17.20	325	18.50	331	19.70
67804	2200	323	16.20	329	17.60	334	18.80	340	20.20	345	21.50	350	22.70	355	24.00
73968	2400	351	20.00	356	22.00	361	23.40	366	24.80	371	26.30	375	27.20	380	29.00
80132	2600	378	25.60	383	27.20	388	28.80	392	30.20	397	31.80	401	32.20	406	34.80
86296	2800	406	31.50	411	33.30	415	34.90	419	36.50	423	38.00	428	39.80	432	41.40
92460	3000	434	38.30	438	40.10	442	41.80	446	43.50	450	45.30	454	47.00	458	48.80
98624	3200	462	46.10	466	47.90	470	49.90	473	51.50	477	53.40	481	55.40	485	57.40
104788	3400	490	54.70	494	56.90	497	58.70	500	60.40	504	62.60	508	64.70	511	66.50
110952	3600	518	64.50	521	66.40	525	68.80	528	70.70	531	72.60	535	75.00	538	77.00
117116	3800	546	75.30	547	77.40	552	79.60	556	82.10	559	84.30	562	86.40	565	88.50
123280	4000	574	87.30	577	89.60	580	91.90	583	94.20	586	96.50	589	98.80	592	101.00
129444	4200	602	101.00	605	103.00	608	105.00	611	108.00	614	111.00	617	113.00	620	116.00
135608	4400	630	115.00	633	118.00	636	120.00	639	123.00	641	125.00	644	128.00	647	131.00
141772	4600	659	132.00	661	134.00	664	137.00	667	140.00	669	142.00	672	145.00	674	147.00
147936	4800	687	149.00	689	151.00	692	154.00	694	157.00	697	160.00	699	162.00	702	165.00
154100	5000	715	168.00	717	170.00	720	173.00	722	176.00	725	179.00	727	182.00	730	185.00
160264	5200	743	188.00	746	191.00	748	194.00	750	197.00	753	200.00	755	203.00	757	206.00

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP																
36984	1200	310	14.80	310	14.80																
40066	1300	310	16.20	310	16.20																
43148	1400	322	17.60	350	21.70	376	25.80														
46230	1500	330	19.40	356	23.50	381	27.70	406	32.30												
49312	1600	338	21.10	363	25.50	387	29.90	411	34.80	434	39.40										
52394	1700	351	22.90	370	27.40	394	32.20	417	37.10	439	42.00	460	47.00								
55476	1800	356	25.10	378	29.60	401	34.60	423	39.60	444	44.60	465	49.90	486	55.50						
58558	1900	365	27.20	387	32.00	409	37.20	430	42.40	450	47.50	471	52.20	491	58.80	510	64.40				
61640	2000	375	29.50	396	34.50	417	39.80	437	45.10	457	50.60	477	56.40	496	62.10	515	68.00	533	73.80		
67804	2200	398	34.70	416	40.30	435	45.90	453	51.60	473	57.60	491	63.40	509	69.60	528	75.50	544	82.00	561	88.40
73968	2400	418	40.50	436	46.30	454	52.30	472	58.60	490	65.00	507	71.30	524	77.80	540	84.10	557	91.00	573	97.70
80132	2600	441	47.20	458	53.50	475	59.90	492	66.60	508	73.10	524	79.80	540	86.60	556	93.70	571	100.00	587	108.00
86296	2800	465	54.70	481	61.50	497	68.40	512	75.10	528	82.40	543	89.40	558	96.60	573	104.00	588	111.00	602	119.00
92460	3000	489	63.00	504	70.10	519	77.40	534	84.90	549	92.60	563	100.00	577	107.00	591	115.00	605	123.00	619	131.00
98624	3200	519	72.40	533	79.90	542	87.50	556	95.30	570	103.00	584	111.00	597	119.00	611	128.00	624	136.00	637	144.00
104788	3400	539	82.60	552	90.40	566	98.90	579	107.00	592	115.00	605	123.00	618	132.00	631	141.00	643	149.00	656	158.00
110952	3600	564	93.70	577	102.00	590	111.00	603	120.00	615	128.00	628	137.00	640	146.00	652	155.00	664	164.00	676	173.00
117116	3800	590	106.00	602	115.00	615	125.00	627	134.00	638	142.00	650	152.00	662	161.00	674	171.00	685	180.00	697	189.00
123280	4000	616	120.00	628	130.00	639	139.00	651	148.00	662	158.00	674	168.00	685	177.00	696	187.00	707	197.00	718	207.00
129444	4200	642	135.00	653	144.00	665	155.00	676	165.00	687	175.00	697	184.00	708	195.00	719	205.00	729	215.00	740	225.00
135608	4400	669	151.00	679	161.00	690	172.00	700	182.00	711	193.00	721	203.00	732	214.00	742	224.00	752	235.00	763	246.00
141772	4600	695	168.00	705	179.00	716	190.00	726	201.00	736	212.00	746	223.00	756	234.00	766	245.00	776	256.00	786	267.00
147936	4800	721	186.00	732	199.00	742	210.00	751	221.00	761	233.00	771	244.00	780	255.00	790	267.00	799	278.00	809	290.00
154100	5000	749	208.00	758	219.00	768	232.00	777	243.00	786	255.00	796	267.00	805	279.00	814	290.00	823	302.00	832	314.00
160264	5200	776	230.00	785	242.00	794	254.00	803	267.00	812	279.00	821	291.00	830	303.00	839	316.00	848	329.00	856	340.00

VOL CFM	OUT VEL	7" SP		8" SP		9" SP		10" SP		11" SP		12" SP		13" SP		14" SP		15" SP		16" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
67804	2200	578	95.00																		
73968	2400	589	105.00	620	118.00	651	133.00														
80132	2600	602	115.00	631	129.00	661	145.00	689	160												

3000 SERIES

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

SINGLE WIDTH
SINGLE INLET

SIZE 3081

SIZE 3081	-20° to 150°F	-29° to 66°C
CLASS I	476	
CLASS II	622	
CLASS III	—	
CLASS IV	—	

Wheel Diameter	80.75 inches	2051 mm
Wheel Circumference	21.14 feet	6.443 m
Inlet Diameter/Area	89.75 inches sq./43.60 sq. ft.	2280 mm/4.050 m ²
Outlet Size/Area	85.11 x 63.61 inches I.D./37.60 sq. ft.	2162 x 1616 mm/3.493 m ²
Tip Speed	21.14 x RPM ft./minute	6.440 x RPM m/minute
Maximum BHP	923.6 x (RPM ÷ 1000) ³ BHP	688.7 x (RPM ÷ 1000) ³ kW

VOL CFM	OUT VEL	¼" SP		⅜" SP		½" SP		¾" SP		⅝" SP		1" SP		1¼" SP		1½" SP		1¾" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP										
30088	800	129	1.98	141	2.59	152	3.18	164	3.89	174	4.50	186	5.31	196	6.01				
33849	900	139	2.45	149	3.07	160	3.78	171	4.54	180	5.19	191	6.04	201	6.85	219	8.40		
37610	1000	149	2.98	159	3.71	169	4.47	178	5.20	188	6.04	197	6.85	207	7.78	224	9.46	241	11.30
41371	1100	160	3.62	170	4.49	178	5.22	188	6.16	196	6.94	205	7.86	213	8.70	230	10.60	246	12.50
45132	1200	171	4.37	180	5.27	189	6.21	197	7.08	205	7.98	213	8.91	221	9.88	236	11.80	251	13.80
48893	1300	183	5.29	191	6.21	199	7.18	207	8.18	214	9.08	222	10.10	229	11.10	244	13.20	258	15.30
52654	1400	195	6.31	202	7.26	209	8.23	217	9.35	224	10.40	231	11.40	238	12.50	252	14.70	265	16.90
56415	1500	207	7.47	214	8.54	221	9.64	227	10.60	234	11.80	241	12.90	248	14.10	260	16.30	273	18.70
60176	1600	218	8.63	225	9.82	232	11.00	238	12.10	245	13.40	251	14.50	257	15.70	270	18.20	282	20.70
63937	1700	230	10.00	236	11.20	243	12.50	249	13.70	255	15.00	261	16.20	267	17.50	279	20.10	290	22.60
67698	1800	243	11.70	249	13.00	254	14.20	260	15.50	266	16.90	272	18.20	277	19.40	289	22.30	300	25.00
71459	1900	255	13.50	260	14.70	266	16.10	272	17.60	277	18.90	283	20.40	288	21.70	299	24.60	309	27.30
75220	2000	267	15.40	272	16.70	278	18.30	283	19.60	288	21.00	294	22.70	299	24.10	309	27.00	319	29.90
82742	2200	292	19.90	296	21.20	301	22.80	306	24.40	311	26.00	316	27.70	321	29.40	330	32.50	339	35.60
90264	2400	316	25.00	321	26.80	326	28.60	330	30.20	334	31.80	339	33.70	343	35.30	352	38.90	361	42.50
97786	2600	341	31.10	345	32.90	350	35.00	354	36.80	358	38.60	362	40.40	366	42.30	374	46.00	382	49.80
105308	2800	366	38.30	370	40.30	374	42.30	378	44.30	382	46.40	386	48.40	390	50.50	397	54.30	405	58.60
112830	3000	391	46.40	395	48.70	399	50.90	402	52.80	406	55.10	409	57.00	413	59.30	420	63.60	427	67.80
120352	3200	417	56.10	420	58.20	423	60.20	427	62.80	430	64.90	434	67.40	437	69.50	444	74.30	450	78.50
127874	3400	442	66.60	445	68.80	448	71.20	451	73.40	455	76.30	458	78.60	461	80.90	467	85.60	474	90.80
135396	3600	467	78.30	470	80.80	473	83.30	476	85.80	479	88.30	482	90.90	485	93.40	491	98.50	497	104.00
142918	3800	492	91.30	495	94.10	498	96.70	501	99.50	504	102.00	507	105.00	510	108.00	515	113.00	521	118.00
150440	4000	518	106.00	520	109.00	523	112.00	526	115.00	529	118.00	531	120.00	534	123.00	539	128.00	545	134.00

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP																
45132	1200	280	18.00																		
48893	1300	285	19.70	311	24.30																
52654	1400	291	21.60	316	26.40	340	31.50														
56415	1500	298	23.60	321	28.50	345	34.10	367	39.50												
60176	1600	305	25.70	328	31.10	350	36.60	371	42.10	392	48.00										
63937	1700	313	28.10	335	33.70	356	39.30	376	45.00	396	51.10	416	57.50								
67698	1800	321	30.50	342	36.30	362	42.10	382	48.30	401	54.40	420	60.90	439	67.70						
71459	1900	330	33.30	350	39.20	369	45.20	388	51.50	407	58.10	425	64.60	443	71.50	461	78.60				
75220	2000	339	36.10	358	42.30	377	48.70	395	55.10	413	61.80	431	68.80	448	75.70	465	82.80	482	90.20		
82742	2200	358	42.40	375	48.90	393	55.90	410	62.90	427	70.10	443	77.10	460	84.90	476	92.50	491	100.00	507	108.00
90264	2400	377	49.30	394	56.60	410	63.80	426	71.30	442	79.00	458	87.00	473	94.70	488	103.00	503	111.00	518	119.00
97786	2600	398	57.50	414	65.40	429	73.10	444	81.10	459	89.30	473	97.10	488	106.00	502	114.00	516	123.00	530	131.00
105308	2800	419	66.40	434	74.80	448	83.00	462	91.40	476	100.00	490	109.00	504	118.00	517	126.00	531	136.00	544	145.00
112830	3000	441	76.60	455	85.50	469	94.70	482	103.00	495	112.00	508	121.00	521	131.00	534	140.00	547	150.00	559	159.00
120352	3200	463	87.70	476	97.00	489	107.00	502	116.00	514	125.00	527	136.00	539	145.00	551	155.00	563	165.00	575	175.00
127874	3400	486	100.00	498	110.00	510	120.00	522	130.00	535	141.00	546	150.00	558	161.00	570	172.00	581	182.00	592	192.00
135396	3600	509	114.00	521	125.00	532	135.00	544	146.00	555	156.00	566	167.00	577	177.00	588	188.00	599	199.00	610	210.00
142918	3800	532	129.00	543	140.00	554	151.00	565	162.00	576	173.00	587	185.00	597	196.00	608	207.00	618	218.00		
150440	4000	556	146.00	566	157.00	577	169.00	587	180.00	598	193.00	608	204.00	618	216.00						

Underlined figures in columns approximate Max. Static Efficiency and Quietest Selection. CL. I □ CL. II ■ CL. III ■ CL. IV ■

Refer to factors on page 54 to convert numbers above to the desired metric units.

The standard AMCA class range is shown by the shaded areas. Standard carbon steel fans may be used up to the Maximum Design RPM as listed above for each fan class.

For minimum motor size required see "Fan Starting Requirements," page 9.

If the Maximum Safe Operating RPM is not shown, consult the factory.

Performance certified is for Installation Type B - Free Inlet, Ducted Outlet.

Performance ratings do not include the effects of appurtenances. Power rating does not include transmission losses.

All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70 F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

SILENTVANE™

SIZE 3012 DOUBLE WIDTH DOUBLE INLET

MAXIMUM CLASS OPERATING RPM FAN TEMPERATURE

Wheel Diameter	12.25 inches	311 mm
Wheel Circumference	3.21 feet	.9784 m
Inlet Diameter/Area	13.5 inches dia./1.98 sq. ft.	343 mm/.1839 m ²
Outlet Size/Area	12.79 x 17.35 inches I.D./1.54 sq. ft.	325 x 441 mm/.1431 m ²
Tip Speed	3.21 x RPM ft./minute	.9779 x RPM m/minute
Maximum BHP	.123 x (RPM ÷ 1000) ³ BHP	.0917 x (RPM ÷ 1000) ³ kW

SIZE 3012	-20° to 150°F	-29° to 66°C
CLASS I	3545	
CLASS II	4621	
CLASS III	—	
CLASS IV	—	

VOL CFM	OV FPM	STATIC PRESSURE IN INCHES W.G.																			
		0.250		0.375		0.500		0.625		0.750		0.875		1.000		1.250		1.500		1.750	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1240	800	894	0.10	977	0.13	1057	0.17	1128	0.20	1197	0.24	1265	0.28	1329	0.32	1466	0.41	1606	0.54	1734	0.70
1395	900	964	0.12	1043	0.16	1114	0.20	1185	0.23	1249	0.27	1309	0.31	1372	0.36	1489	0.45	1637	0.59	1776	0.76
1550	1000	1035	0.15	1110	0.19	1178	0.23	1242	0.27	1306	0.31	1365	0.36	1421	0.40	1531	0.50	1679	0.65	1819	0.83
1705	1100	1107	0.18	1179	0.22	1245	0.27	1305	0.31	1364	0.36	1422	0.40	1477	0.45	1578	0.55	1679	0.65	1776	0.76
1860	1200	1180	0.22	1250	0.27	1313	0.31	1372	0.36	1427	0.41	1480	0.46	1534	0.51	1634	0.61	1726	0.72	1819	0.83
2015	1300	1256	0.27	1322	0.31	1383	0.36	1440	0.41	1493	0.46	1544	0.52	1592	0.57	1691	0.68	1782	0.79	1867	0.91
2170	1400	1335	0.32	1394	0.37	1453	0.42	1509	0.47	1561	0.53	1610	0.58	1657	0.64	1749	0.75	1838	0.87	1922	0.99
2325	1500	1415	0.38	1468	0.43	1525	0.48	1579	0.54	1629	0.59	1677	0.65	1723	0.71	1810	0.84	1896	0.96	1979	1.09
2480	1600	1495	0.44	1544	0.50	1598	0.56	1650	0.61	1699	0.67	1746	0.73	1791	0.80	1875	0.92	1954	1.05	2036	1.19
2635	1700	1577	0.52	1623	0.58	1672	0.63	1722	0.70	1770	0.76	1815	0.82	1859	0.89	1942	1.02	2020	1.16	2094	1.30
2790	1800	1658	0.60	1703	0.66	1746	0.72	1795	0.79	1841	0.85	1886	0.92	1929	0.98	2010	1.12	2086	1.27	2158	1.41
2945	1900	1740	0.69	1783	0.75	1824	0.82	1868	0.89	1914	0.95	1957	1.02	1999	1.09	2078	1.24	2153	1.39	2224	1.54
3100	2000	1823	0.79	1864	0.86	1904	0.93	1943	1.00	1987	1.07	2029	1.14	2070	1.21	2148	1.36	2221	1.51	2290	1.67
3410	2200	1989	1.02	2027	1.09	2064	1.17	2100	1.24	2135	1.32	2175	1.40	2214	1.48	2288	1.64	2359	1.80	2426	1.97
3720	2400	2156	1.29	2192	1.37	2226	1.46	2260	1.54	2292	1.62	2324	1.70	2361	1.79	2432	1.96	2500	2.13	2565	2.31
4030	2600	2324	1.61	2357	1.70	2390	1.79	2421	1.88	2452	1.97	2482	2.06	2511	2.15	2578	2.33	2643	2.52	2706	2.70
4340	2800	2493	1.99	2524	2.08	2555	2.17	2584	2.27	2613	2.36	2642	2.46	2670	2.56	2726	2.75	2789	2.95	2849	3.15
4650	3000	2662	2.41	2692	2.51	2720	2.61	2748	2.71	2776	2.82	2803	2.92	2830	3.02	2881	3.23	2936	3.44	2994	3.65
4960	3200	2832	2.90	2860	3.00	2887	3.11	2914	3.22	2940	3.33	2965	3.44	2991	3.55	3040	3.77	3088	3.99	3142	4.21
5270	3400	3002	3.45	3029	3.56	3054	3.67	3080	3.79	3104	3.90	3129	4.02	3153	4.13	3200	4.37	3246	4.60	3291	4.84
5580	3600	3173	4.06	3198	4.18	3222	4.30	3246	4.42	3270	4.54	3293	4.67	3317	4.79	3362	5.03	3406	5.28	3449	5.53
5890	3800	3344	4.75	3368	4.87	3391	5.00	3414	5.13	3436	5.26	3459	5.39	3481	5.51	3524	5.77	3567	6.03	3608	6.29
6200	4000	3515	5.51	3538	5.64	3560	5.78	3582	5.91	3603	6.04	3625	6.18	3646	6.31	3688	6.59	3728	6.86	3768	7.13

VOL CFM	OV FPM	STATIC PRESSURE IN INCHES W.G.																			
		2.000		2.500		3.000		3.500		4.000		4.500		5.000		5.500		6.000		6.500	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1860	1200	1909	0.95	2075	1.20																
2015	1300	1952	1.03	2117	1.29	2271	1.56														
2170	1400	2001	1.12	2159	1.39	2309	1.67	2453	1.96												
2325	1500	2057	1.22	2203	1.49	2351	1.78	2488	2.08	2622	2.40										
2480	1600	2113	1.33	2257	1.61	2394	1.90	2531	2.22	2659	2.54	2781	2.88	2932	3.25						
2635	1700	2171	1.44	2313	1.73	2443	2.04	2574	2.36	2701	2.69	2821	3.04	2935	3.39	3075	3.78				
2790	1800	2229	1.56	2369	1.87	2498	2.18	2619	2.51	2744	2.85	2864	3.21	2977	3.57	3086	3.94	3211	4.35		
2945	1900	2291	1.69	2427	2.01	2555	2.34	2674	2.67	2788	3.02	2907	3.39	3020	3.76	3128	4.15	3231	4.54	3342	4.95
3100	2000	2356	1.83	2485	2.16	2611	2.50	2730	2.85	2841	3.20	2950	3.57	3063	3.96	3170	4.36	3273	4.76	3372	5.17
3410	2200	2490	2.14	2611	2.50	2727	2.86	2843	3.23	2953	3.61	3057	4.00	3157	4.39	3257	4.80	3359	5.23	3457	5.66
3720	2400	2626	2.50	2744	2.87	2853	3.26	2960	3.66	3067	4.06	3170	4.47	3268	4.89	3362	5.31	3453	5.75	3544	6.19
4030	2600	2766	2.89	2879	3.30	2986	3.71	3087	4.13	3184	4.56	3285	4.99	3382	5.44	3474	5.88	3564	6.34	3650	6.80
4340	2800	2907	3.35	3017	3.77	3121	4.21	3220	4.65	3314	5.10	3404	5.56	3497	6.03	3589	6.50	3677	6.98	3762	7.47
4650	3000	3050	3.87	3158	4.30	3259	4.76	3355	5.23	3447	5.70	3535	6.19	3619	6.68	3705	7.18	3792	7.68	3876	8.19
4960	3200	3196	4.44	3300	4.90	3398	5.37	3492	5.86	3582	6.36	3668	6.87	3751	7.39	3831	7.91	3909	8.44	3992	8.97
5270	3400	3343	5.08	3444	5.56	3539	6.05	3631	6.55	3718	7.08	3803	7.61	3884	8.15	3963	8.70	4039	9.25	4113	9.81
5580	3600	3492	5.78	3589	6.29	3682	6.81	3772	7.33	3857	7.86	3940	8.42	4019	8.99	4097	9.56	4172	10.14	4244	10.72
5890	3800	3649	6.56	3737	7.09	3827	7.63	3914	8.18	3998	8.73	4078	9.30	4156	9.89	4232	10.49	4306	11.09	4377	11.69
6200	4000	3808	7.41	3886	7.97	3973	8.53	4058	9.11	4140	9.68	4219	10.26	4295	10.86	4369	11.48	4442	12.11	4512	12.74

Underlined figures in columns approximate Max. Static Efficiency and Quietest Selection. CL. I □ CL. II □ CL. III □ CL. IV ■
Refer to factors on page 54 to convert numbers above to the desired metric units.
The standard AMCA class range is shown by the shaded areas. Standard carbon steel fans may be used up to the Maximum Design RPM as listed above for each fan class.
For minimum motor size required see "Fan Starting Requirements," page 9.
If the Maximum Safe Operating RPM is not shown, consult the factory.
Performance certified is for Installation Type B - Free Inlet, Ducted Outlet.
Performance ratings do not include the effects of appurtenances. Power rating does not include transmission losses.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70 F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

3000 SERIES

SIZE 3013

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

DOUBLE WIDTH
DOUBLE INLET

SIZE 3013	-20° to 150°F	-29° to 66°C
CLASS I	3229	
CLASS II	4209	
CLASS III	—	
CLASS IV	—	

Wheel Diameter	13.50 inches	343 mm
Wheel Circumference	3.53 feet	1.076 m
Inlet Diameter/Area	14.75 inches dia./2.38 sq. ft.	375 mm/.2211 m ²
Outlet Size/Area	14.10 x 19.10 inches I.D./1.87 sq. ft.	358 x 485 mm/1.737 m ²
Tip Speed	3.53 x RPM ft./minute	1.075 x RPM m/minute
Maximum BHP	.202 x (RPM ÷ 1000) ³ BHP	.1506 x (RPM ÷ 1000) ³ kW

VOL CFM	OUT VEL	¼" SP		⅜" SP		½" SP		⅝" SP		¾" SP		1" SP		1¼" SP		1½" SP		1¾" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP										
1512	800	842	0.12	912	0.15	982	0.19	1047	0.23	1107	0.27	1165	0.31	1221	0.35				
1701	900	908	0.15	980	0.19	1044	0.23	1104	0.27	1161	0.31	1215	0.36	1267	0.40	1370	0.49		
1890	1000	977	0.18	1045	0.23	1107	0.27	1163	0.32	1218	0.36	1269	0.41	1319	0.46	1415	0.56	1506	0.66
2079	1100	1047	0.23	1109	0.27	1170	0.32	1227	0.37	1277	0.42	1328	0.47	1374	0.52	1465	0.63	1551	0.74
2268	1200	1118	0.27	1179	0.32	1235	0.38	1290	0.43	1340	0.48	1388	0.54	1431	0.59	1520	0.71	1600	0.82
2457	1300	1190	0.33	1249	0.38	1304	0.44	1356	0.50	1403	0.55	1450	0.61	1495	0.67	1577	0.79	1656	0.91
2646	1400	1263	0.39	1319	0.45	1372	0.51	1422	0.57	1469	0.63	1513	0.69	1556	0.76	1638	0.89	1712	1.01
2835	1500	1339	0.46	1389	0.52	1441	0.59	1488	0.65	1535	0.72	1579	0.79	1619	0.85	1698	0.99	1774	1.13
3024	1600	1415	0.54	1464	0.61	1511	0.68	1558	0.75	1600	0.81	1642	0.88	1684	0.95	1763	1.10	1834	1.24
3213	1700	1488	0.63	1538	0.70	1583	0.78	1628	0.85	1670	0.92	1712	1.00	1751	1.07	1824	1.22	1897	1.37
3402	1800	1566	0.73	1612	0.81	1656	0.88	1698	0.96	1740	1.04	1779	1.11	1819	1.19	1892	1.35	1960	1.51
3591	1900	1642	0.84	1687	0.92	1729	1.00	1768	1.08	1810	1.16	1848	1.24	1886	1.33	1958	1.49	2025	1.66
3780	2000	1722	0.96	1763	1.05	1803	1.13	1843	1.22	1880	1.30	1918	1.39	1955	1.48	2024	1.65	2091	1.82
4158	2200	1878	1.24	1916	1.34	1951	1.43	1989	1.52	2025	1.62	2060	1.71	2094	1.80	2161	1.99	2224	2.18
4536	2400	2035	1.57	2070	1.68	2104	1.78	2139	1.88	2171	1.98	2203	2.08	2237	2.19	2300	2.39	2360	2.60
4914	2600	2193	1.95	2226	2.07	2258	2.19	2287	2.29	2321	2.41	2352	2.52	2381	2.63	2442	2.85	2498	3.07
5292	2800	2353	2.41	2383	2.53	2412	2.65	2442	2.77	2470	2.89	2501	3.01	2529	3.13	2585	3.37	2640	3.61
5670	3000	2512	2.91	2540	3.05	2568	3.18	2596	3.31	2624	3.45	2651	3.57	2678	3.70	2731	3.95	2783	4.21
6048	3200	2673	3.50	2699	3.64	2725	3.79	2751	3.92	2777	4.06	2802	4.20	2829	4.34	2880	4.62	2929	4.89
6426	3400	2833	4.15	2859	4.32	2882	4.46	2908	4.62	2932	4.76	2957	4.91	2981	5.06	3028	5.34	3076	5.64
6804	3600	2995	4.90	3019	5.07	3041	5.22	3065	5.38	3087	5.54	3111	5.70	3134	5.85	3180	6.17	3225	6.47
7182	3800	3156	5.72	3179	5.90	3200	6.06	3222	6.23	3245	6.41	3266	6.57	3288	6.73	3332	7.06	3375	7.39
7560	4000	3319	6.64	3339	6.82	3360	7.00	3381	7.18	3402	7.36	3423	7.53	3444	7.71	3484	8.04	3525	8.39

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2079	1100	1718	0.97																		
2268	1200	1758	1.06																		
2457	1300	1806	1.17	1948	1.43																
2646	1400	1858	1.28	1993	1.56	2125	1.85														
2835	1500	1913	1.41	2043	1.70	2168	2.00	2290	2.31												
3024	1600	1970	1.54	2095	1.84	2216	2.16	2332	2.48	2447	2.81										
3213	1700	2029	1.69	2151	2.00	2268	2.33	2380	2.67	2488	3.01	2596	3.36								
3402	1800	2090	1.84	2209	2.17	2321	2.51	2431	2.86	2536	3.22	2638	3.58	2741	3.96						
3591	1900	2151	2.00	2268	2.35	2379	2.71	2484	3.07	2585	3.44	2685	3.82	2783	4.21	2878	4.60				
3780	2000	2214	2.18	2328	2.54	2436	2.92	2539	3.29	2638	3.68	2735	4.07	2829	4.46	2922	4.87	3013	5.28	3104	5.71
4158	2200	2342	2.57	2453	2.97	2557	3.37	2655	3.78	2749	4.18	2842	4.61	2930	5.03	3017	5.46	3103	5.90	3187	6.34
4536	2400	2474	3.02	2581	3.44	2680	3.87	2776	4.31	2867	4.75	2955	5.20	3041	5.66	3124	6.12	3205	6.58	3285	7.05
4914	2600	2609	3.52	2711	3.97	2808	4.44	2901	4.91	2989	5.38	3073	5.85	3156	6.34	3236	6.83	3315	7.33	3390	7.81
5292	2800	2745	4.09	2845	4.58	2939	5.07	3027	5.56	3114	6.07	3195	6.57	3275	7.08	3354	7.61	3428	8.12	3503	8.66
5670	3000	2884	4.72	2979	5.23	3070	5.76	3158	6.29	3240	6.82	3322	7.37	3399	7.91	3475	8.46	3548	9.01	3619	9.56
6048	3200	3024	5.42	3117	5.97	3205	6.53	3289	7.08	3371	7.65	3449	8.22	3525	8.80	3598	9.37	3670	10.00	3740	10.50
6426	3400	3167	6.21	3256	6.79	3341	7.37	3424	7.97	3503	8.56	3578	9.15	3653	9.76	3724	10.40	3795	11.00	3863	11.60
6804	3600	3312	7.07	3397	7.68	3480	8.30	3560	8.93	3637	9.55	3712	10.20	3783	10.80	3854	11.50	3922	12.10	3988	12.70
7182	3800	3459	8.03	3541	8.68	3621	9.33	3698	10.00	3772	10.60	3845	11.30	3915	11.90	3984	12.60	4051	13.30	4116	14.00
7560	4000	3607	9.08	3685	9.75	3762	10.40	3837	11.10	3910	11.80	3980	12.50	4050	13.20	4116	13.90	4182	14.60		

Underlined figures in columns approximate Max. Static Efficiency and Quietest Selection. CL. I □ CL. II ■ CL. III ■ CL. IV ■
Refer to factors on page 54 to convert numbers above to the desired metric units.
The standard AMCA class range is shown by the shaded areas. Standard carbon steel fans may be used up to the Maximum Design RPM as listed above for each fan class.
For minimum motor size required see "Fan Starting Requirements," page 9.
If the Maximum Safe Operating RPM is not shown, consult the factory.
Performance certified is for Installation Type B - Free Inlet, Ducted Outlet.
Performance ratings do not include the effects of appurtenances. Power rating does not include transmission losses.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70 F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

SILENTVANE™

SIZE 3015 DOUBLE WIDTH DOUBLE INLET

MAXIMUM CLASS OPERATING RPM FAN TEMPERATURE

Wheel Diameter	15.00 inches	381 mm
Wheel Circumference	3.93 feet	1.198 m
Inlet Diameter/Area	16.25 inches dia./2.88 sq. ft.	413 mm/2676 m ²
Outlet Size/Area	15.73 x 20.85 inches I.D./2.28 sq. ft.	400 x 530 mm/2118 m ²
Tip Speed	3.93 x RPM ft./minute	1.197 x RPM m/minute
Maximum BHP	.339 x (RPM ÷ 1000) ³ BHP	.2528 x (RPM ÷ 1000) ³ kW

SIZE 3015	-20° to 150°F	-29° to 66°C
CLASS I	2850	
CLASS II	3716	
CLASS III	—	
CLASS IV	—	

VOL CFM	OUT VEL	¼" SP		⅜" SP		½" SP		⅝" SP		¾" SP		1" SP		1¼" SP		1½" SP		1¾" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP										
1818	800	743	0.14	814	0.18	876	0.23	929	0.27	987	0.32	1040	0.37	1094	0.42				
2045	900	804	0.17	867	0.22	927	0.27	979	0.32	1033	0.37	1083	0.43	1132	0.48	1225	0.59		
2272	1000	863	0.22	925	0.27	979	0.32	1033	0.38	1083	0.43	1127	0.49	1174	0.55	1261	0.67	1346	0.79
2499	1100	924	0.26	984	0.32	1037	0.38	1088	0.44	1135	0.50	1177	0.56	1223	0.62	1304	0.75	1384	0.88
2726	1200	986	0.32	1040	0.38	1094	0.44	1140	0.50	1188	0.57	1231	0.64	1273	0.70	1350	0.84	1427	0.98
2954	1300	1049	0.38	1102	0.45	1152	0.51	1199	0.58	1244	0.65	1286	0.72	1325	0.79	1400	0.94	1474	1.09
3181	1400	1114	0.45	1164	0.52	1213	0.60	1257	0.67	1301	0.75	1341	0.82	1380	0.90	1454	1.05	1524	1.21
3408	1500	1177	0.53	1226	0.61	1272	0.69	1317	0.77	1358	0.84	1397	0.92	1436	1.01	1507	1.17	1573	1.33
3635	1600	1244	0.63	1288	0.70	1334	0.79	1375	0.87	1416	0.95	1455	1.04	1491	1.12	1561	1.29	1628	1.47
3862	1700	1311	0.73	1354	0.82	1396	0.90	1437	0.99	1474	1.07	1511	1.16	1548	1.25	1618	1.44	1682	1.62
4090	1800	1375	0.84	1420	0.94	1459	1.03	1499	1.12	1536	1.21	1573	1.31	1608	1.40	1675	1.59	1738	1.79
4317	1900	1444	0.97	1484	1.07	1524	1.17	1561	1.26	1598	1.36	1633	1.46	1667	1.56	1732	1.75	1794	1.96
4544	2000	1511	1.10	1548	1.20	1585	1.31	1623	1.41	1659	1.52	1693	1.62	1727	1.72	1790	1.93	1851	2.15
4998	2200	1647	1.42	1683	1.54	1718	1.65	1751	1.76	1784	1.88	1817	1.99	1848	2.10	1908	2.33	1967	2.56
5453	2400	1787	1.80	1818	1.93	1851	2.05	1882	2.18	1913	2.30	1942	2.42	1972	2.54	2030	2.79	2085	3.04
5907	2600	1925	2.24	1955	2.38	1984	2.52	2014	2.65	2043	2.79	2071	2.92	2098	3.05	2153	3.31	2205	3.58
6362	2800	2065	2.76	2092	2.90	2119	3.05	2147	3.20	2174	3.34	2201	3.49	2227	3.63	2279	3.91	2329	4.20
6816	3000	2205	3.34	2230	3.50	2256	3.66	2282	3.82	2306	3.97	2332	4.13	2357	4.28	2405	4.58	2454	4.89
7270	3200	2345	4.01	2370	4.19	2393	4.35	2418	4.52	2440	4.68	2465	4.85	2488	5.01	2536	5.35	2580	5.66
7725	3400	2486	4.76	2508	4.94	2532	5.13	2554	5.31	2576	5.48	2599	5.66	2621	5.83	2666	6.19	2709	6.53
8179	3600	2626	5.60	2648	5.80	2669	5.99	2692	6.19	2713	6.38	2734	6.56	2755	6.75	2797	7.12	2839	7.49
8634	3800	2768	6.54	2788	6.75	2809	6.96	2829	7.16	2849	7.35	2870	7.56	2890	7.76	2929	8.14	2969	8.53
9088	4000	2910	7.59	2929	7.80	2948	8.02	2968	8.24	2986	8.44	3006	8.66	3025	8.86	3063	9.28	3102	9.70

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP																
2499	1100	1536	1.16																		
2726	1200	1571	1.27																		
2954	1300	1610	1.39	1742	1.72																
3181	1400	1655	1.53	1779	1.87	1899	2.22														
3408	1500	1702	1.68	1821	2.03	1935	2.39														
3635	1600	1751	1.83	1865	2.20	1976	2.58	2082	2.97												
3862	1700	1802	2.00	1914	2.39	2019	2.78	2122	3.18	2222	3.60										
4090	1800	1854	2.18	1963	2.58	2066	2.99	2165	3.41	2262	3.85	2356	4.29								
4317	1900	1908	2.37	2014	2.79	2114	3.22	2211	3.66	2304	4.11	2396	4.57	2485	5.04	2573	5.52				
4544	2000	1963	2.58	2067	3.02	2165	3.46	2259	3.92	2350	4.39	2438	4.86	2523	5.34	2609	5.84	2693	6.34		
4998	2200	2075	3.03	2175	3.51	2269	3.99	2358	4.48	2445	4.98	2528	5.48	2610	6.00	2689	6.52	2768	7.05	2845	7.59
5453	2400	2189	3.54	2285	4.05	2377	4.58	2464	5.11	2547	5.64	2626	6.18	2704	6.73	2781	7.29	2855	7.85	2928	8.42
5907	2600	2306	4.12	2399	4.67	2487	5.23	2571	5.79	2652	6.37	2730	6.95	2804	7.53	2877	8.12	2948	8.71	3019	9.32
6362	2800	2425	4.78	2514	5.35	2601	5.96	2683	6.56	2761	7.17	2835	7.78	2908	8.40	2979	9.03	3047	9.65	3115	10.30
6816	3000	2545	5.50	2633	6.13	2716	6.76	2796	7.40	2871	8.04	2944	8.69	3015	9.35	3084	10.00	3151	10.70	3216	11.40
7270	3200	2669	6.32	2754	6.99	2833	7.64	2911	8.33	2984	9.00	3056	9.70	3125	10.40	3192	11.10	3256	11.80	3320	12.50
7725	3400	2793	7.22	2874	7.92	2953	8.63	3027	9.33	3099	10.10	3169	10.80	3237	11.50	3301	12.20	3365	13.00	3427	13.70
8179	3600	2920	8.22	2998	8.96	3073	9.70	3146	10.40	3216	11.20	3284	12.00	3349	12.70	3414	13.50	3476	14.30	3536	15.10
8634	3800	3047	9.31	3121	10.10	3196	10.90	3265	11.60	3334	12.40	3400	13.20	3465	14.00	3526	14.80	3587	15.70	3647	16.50
9088	4000	3176	10.50	3248	11.30	3318	12.10	3388	13.00	3453	13.80	3518	14.60	3581	15.50	3642	16.30	3701	17.20		

Underlined figures in columns approximate Max. Static Efficiency and Quietest Selection. CL. I CL. II CL. III CL. IV

Refer to factors on page 54 to convert numbers above to the desired metric units.

The standard AMCA class range is shown by the shaded areas. Standard carbon steel fans may be used up to the Maximum Design RPM as listed above for each fan class.

For minimum motor size required see "Fan Starting Requirements," page 9.

If the Maximum Safe Operating RPM is not shown, consult the factory.

Performance certified is for Installation Type B - Free Inlet, Ducted Outlet.

Performance ratings do not include the effects of appurtenances. Power rating does not include transmission losses.

All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70 F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

3000 SERIES

SIZE 3016

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

DOUBLE WIDTH
DOUBLE INLET

SIZE 3016	-20° to 150°F	-29° to 66°C
CLASS I	2616	
CLASS II	3410	
CLASS III	—	
CLASS IV	—	

Wheel Diameter	16.50 inches	419 mm
Wheel Circumference	4.32 feet	1.317 m
Inlet Diameter/Area	18.25 inches dia./3.64 sq. ft.	463 mm/.3382 m ²
Outlet Size/Area	17.23 x 23.04 inches I.D./2.76 sq. ft.	438 x 585 mm/.2564 m ²
Tip Speed	4.32 x RPM ft./minute	1.316 x RPM m/minute
Maximum BHP	.546 x (RPM ÷ 1000) ³ BHP	.4072 x (RPM ÷ 1000) ³ kW

VOL CFM	OUT VEL	¼" SP		⅜" SP		½" SP		¾" SP		1" SP		1¼" SP		1½" SP		1¾" SP			
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP		
2228	800	129	1.98	141	2.59	152	3.18	164	3.89	174	4.50	186	5.31	196	6.01				
2507	900	139	2.45	149	3.07	160	3.78	171	4.54	180	5.19	191	6.04	201	6.85	219	8.40		
2785	1000	791	0.27	848	0.33	898	0.40	943	0.46	989	0.53	1032	0.60	1073	0.67	1151	0.82	1228	0.97
3064	1100	848	0.33	898	0.39	950	0.47	996	0.54	1038	0.62	1079	0.69	1117	0.77	1192	0.92	1262	1.08
3342	1200	905	0.40	955	0.47	1000	0.54	1046	0.63	1088	0.71	1125	0.78	1165	0.87	1236	1.04	1304	1.21
3621	1300	964	0.48	1012	0.56	1057	0.64	1099	0.72	1137	0.80	1178	0.90	1214	0.98	1282	1.16	1347	1.34
3899	1400	1023	0.57	1068	0.65	1112	0.74	1153	0.83	1191	0.92	1228	1.01	1262	1.10	1330	1.29	1394	1.49
4178	1500	1080	0.66	1125	0.76	1167	0.85	1205	0.95	1245	1.05	1281	1.15	1315	1.24	1380	1.44	1441	1.65
4456	1600	1143	0.78	1182	0.88	1224	0.98	1262	1.08	1299	1.19	1333	1.29	1367	1.39	1431	1.61	1489	1.81
4735	1700	1205	0.91	1244	1.02	1282	1.12	1319	1.23	1353	1.34	1387	1.44	1420	1.56	1482	1.78	1540	2.00
5013	1800	1266	1.05	1304	1.17	1340	1.28	1375	1.39	1409	1.50	1442	1.62	1474	1.74	1534	1.97	1591	2.20
5292	1900	1329	1.21	1364	1.33	1398	1.45	1432	1.57	1466	1.69	1498	1.81	1529	1.93	1588	2.18	1644	2.43
5570	2000	1391	1.39	1425	1.51	1458	1.64	1491	1.76	1523	1.89	1554	2.01	1583	2.14	1641	2.40	1696	2.66
6127	2200	1517	1.79	1548	1.93	1579	2.07	1610	2.21	1639	2.34	1667	2.47	1696	2.61	1750	2.89	1803	3.18
6684	2400	1644	2.26	1673	2.42	1702	2.57	1728	2.71	1757	2.87	1785	3.02	1811	3.17	1863	3.47	1913	3.78
7241	2600	1772	2.82	1798	2.98	1824	3.14	1850	3.31	1875	3.47	1903	3.64	1928	3.80	1977	4.13	2023	4.45
7798	2800	1901	3.46	1926	3.65	1949	3.82	1974	4.00	1998	4.17	2022	4.35	2046	4.53	2091	4.86	2137	5.22
8355	3000	2029	4.19	2053	4.40	2076	4.59	2098	4.78	2121	4.97	2144	5.16	2166	5.34	2210	5.72	2253	6.09
8912	3200	2159	5.03	2180	5.24	2202	5.45	2223	5.65	2245	5.86	2267	6.07	2287	6.26	2329	6.67	2370	7.06
9469	3400	2288	5.97	2309	6.21	2329	6.43	2349	6.64	2370	6.87	2389	7.07	2410	7.30	2450	7.73	2488	8.14
10026	3600	2419	7.05	2437	7.27	2456	7.51	2476	7.75	2495	7.98	2514	8.21	2534	8.45	2571	8.89	2609	9.35
10583	3800	2548	8.21	2567	8.48	2585	8.72	2603	8.97	2621	9.21	2639	9.46	2658	9.71	2694	10.20	2729	10.70
11140	4000	2679	9.53	2696	9.79	2713	10.10	2731	10.30	2748	10.60	2766	10.80	2783	11.10	2817	11.60	2851	12.10

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP																
3064	1100	1402	1.43																		
3342	1200	1432	1.56																		
3621	1300	1471	1.72	1588	2.11																
3899	1400	1512	1.88	1623	2.29	1732	2.72														
4178	1500	1555	2.06	1663	2.49	1766	2.93	1868	3.40												
4456	1600	1602	2.26	1705	2.71	1804	3.17	1901	3.65	1995	4.14										
4735	1700	1648	2.46	1749	2.93	1845	3.42	1938	3.92	2028	4.42	2118	4.96								
5013	1800	1697	2.69	1796	3.18	1889	3.69	1978	4.20	2065	4.73	2149	5.26	2234	5.83						
5292	1900	1747	2.93	1843	3.44	1933	3.97	2021	4.51	2105	5.05	2187	5.61	2268	6.19	2347	6.77				
5570	2000	1797	3.18	1891	3.72	1980	4.27	2065	4.83	2147	5.40	2226	5.97	2304	6.56	2380	7.16	2456	7.78		
6127	2200	1901	3.75	1991	4.33	2077	4.93	2157	5.52	2236	6.14	2311	6.75	2385	7.38	2456	8.01	2527	8.66	2597	9.32
6684	2400	2006	4.39	2094	5.02	2177	5.66	2255	6.31	2330	6.96	2402	7.62	2472	8.28	2542	8.98	2608	9.65	2673	10.30
7241	2600	2114	5.11	2199	5.79	2279	6.47	2355	7.17	2428	7.87	2497	8.57	2565	9.28	2631	10.00	2695	10.70	2759	11.50
7798	2800	2224	5.93	2306	6.65	2384	7.38	2457	8.11	2528	8.86	2596	9.61	2661	10.40	2726	11.10	2787	11.90	2848	12.70
8355	3000	2336	6.85	2415	7.61	2489	8.37	2562	9.17	2630	9.95	2696	10.70	2761	11.60	2822	12.40	2883	13.20	2942	14.00
8912	3200	2450	7.87	2526	8.68	2598	9.49	2668	10.30	2735	11.20	2800	12.00	2862	12.80	2922	13.70	2980	14.50	3038	15.40
9469	3400	2564	8.99	2637	9.84	2709	10.70	2776	11.60	2841	12.50	2904	13.40	2964	14.20	3024	15.10	3082	16.10	3137	17.00
10026	3600	2681	10.20	2752	11.20	2819	12.00	2885	13.00	2949	13.90	3010	14.80	3069	15.80	3127	16.70	3184	17.70	3238	18.60
10583	3800	2798	11.60	2867	12.60	2933	13.50	2996	14.50	3058	15.50	3118	16.40	3176	17.40	3232	18.40	3287	19.40	3341	20.40
11140	4000	2918	13.10	2983	14.10	3046	15.10	3109	16.10	3168	17.10	3227	18.20	3283	19.20	3338	20.20	3392	21.30		

Underlined figures in columns approximate Max. Static Efficiency and Quietest Selection. CL. I □ CL. II ■ CL. III ■ CL. IV ■
Refer to factors on page 54 to convert numbers above to the desired metric units.
The standard AMCA class range is shown by the shaded areas. Standard carbon steel fans may be used up to the Maximum Design RPM as listed above for each fan class.
For minimum motor size required see "Fan Starting Requirements," page 9.
If the Maximum Safe Operating RPM is not shown, consult the factory.
Performance certified is for Installation Type B - Free Inlet, Ducted Outlet.
Performance ratings do not include the effects of appurtenances. Power rating does not include transmission losses.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70 F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

SILENTVANE™

SIZE 3018 DOUBLE WIDTH DOUBLE INLET

MAXIMUM CLASS OPERATING RPM FAN TEMPERATURE

Wheel Diameter	18.25 inches	464 mm
Wheel Circumference	4.78 feet	1.457 m
Inlet Diameter/Area	20.0 inches dia./4.36 sq. ft.	508 mm/4.051 m ²
Outlet Size/Area	19.04 x 25.73 inches I.D./3.40 sq. ft.	484 x 654 mm/3.159 m ²
Tip Speed	4.78 x RPM ft/minute	1.457 x RPM m/minute
Maximum BHP	.965 x (RPM ÷ 1000) ³ BHP	.7196 x (RPM ÷ 1000) ³ kW

SIZE 3018	-20° to 150°F	-29° to 66°C
CLASS I	2198	
CLASS II	2866	
CLASS III	—	
CLASS IV	—	

VOL CFM	OUT VEL	STATIC PRESSURE IN INCHES W.G.																				
		1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP		
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
2714	800	577	0.20	634	0.26	684	0.33	731	0.40	779	0.47	827	0.55	875	0.64							
3053	900	620	0.24	674	0.32	723	0.39	767	0.46	809	0.54	851	0.62	894	0.71	979	0.90					
3392	1000	688	0.30	715	0.38	763	0.46	806	0.54	846	0.62	884	0.70	920	0.79	998	0.98	1075	1.20			
3731	1100	716	0.37	758	0.45	803	0.53	846	0.63	885	0.72	921	0.80	956	0.89	1023	1.08	1095	1.30	1164	1.53	
4070	1200	765	0.44	806	0.53	845	0.62	886	0.72	924	0.82	960	0.92	994	1.01	1058	1.21	1120	1.42	1185	1.65	
4410	1300	815	0.53	854	0.62	890	0.72	927	0.82	965	0.93	1000	1.04	1033	1.14	1096	1.35	1154	1.57	1211	1.80	
4749	1400	866	0.63	903	0.73	937	0.83	970	0.94	1006	1.05	1040	1.16	1073	1.28	1134	1.51	1191	1.73	1245	1.97	
5088	1500	917	0.74	952	0.85	986	0.96	1017	1.07	1048	1.18	1081	1.30	1113	1.42	1174	1.68	1229	1.92	1282	2.16	
5427	1600	968	0.87	1002	0.99	1034	1.10	1065	1.22	1094	1.34	1123	1.46	1155	1.59	1214	1.85	1269	2.12	1320	2.37	
5766	1700	1019	1.01	1053	1.14	1084	1.26	1113	1.38	1141	1.50	1168	1.63	1196	1.76	1252	2.04	1308	2.32	1359	2.60	
6106	1800	1071	1.17	1104	1.30	1134	1.43	1162	1.56	1189	1.69	1215	1.82	1240	1.95	1295	2.24	1349	2.54	1399	2.83	
6445	1900	1123	1.34	1155	1.48	1184	1.62	1211	1.76	1238	1.90	1263	2.03	1288	2.17	1337	2.46	1389	2.76	1439	3.08	
6784	2000	1176	1.53	1206	1.68	1235	1.83	1261	1.97	1287	2.12	1311	2.26	1335	2.40	1381	2.70	1431	3.02	1479	3.34	
7462	2200	1281	1.97	1309	2.13	1336	2.30	1362	2.46	1386	2.62	1409	2.77	1432	2.93	1476	3.26	1517	3.58	1562	3.92	
8141	2400	1388	2.49	1414	2.67	1439	2.84	1464	3.03	1487	3.21	1509	3.38	1531	3.55	1572	3.89	1612	4.24	1650	4.60	
8819	2600	1495	3.10	1519	3.29	1543	3.48	1566	3.68	1588	3.87	1610	4.07	1630	4.25	1670	4.62	1708	5.00	1744	5.37	
9498	2800	1603	3.80	1626	4.01	1648	4.22	1670	4.43	1691	4.64	1712	4.85	1732	5.06	1769	5.45	1806	5.86	1841	6.26	
10176	3000	1711	4.61	1732	4.83	1753	5.05	1774	5.28	1794	5.50	1814	5.73	1833	5.95	1870	6.40	1905	6.82	1938	7.24	
10854	3200	1819	5.53	1839	5.76	1859	6.00	1879	6.24	1898	6.48	1917	6.72	1935	6.96	1971	7.44	2005	7.90	2037	8.35	
11533	3400	1928	6.57	1947	6.82	1966	7.07	1985	7.33	2003	7.58	2021	7.83	2038	8.08	2073	8.60	2106	9.10	2137	9.58	
12211	3600	2037	7.74	2055	8.00	2073	8.26	2091	8.53	2108	8.80	2125	9.06	2142	9.33	2175	9.87	2207	10.42	2238	10.95	
12890	3800	2146	9.04	2163	9.31	2180	9.59	2197	9.87	2214	10.15	2230	10.43	2247	10.72	2278	11.28	2309	11.86	2339	12.43	
13568	4000	2255	10.47	2272	10.77	2288	11.06	2304	11.35	2320	11.64	2366	11.95	2352	12.25	2382	12.84	2412	13.44	2441	14.05	

VOL CFM	OUT VEL	STATIC PRESSURE IN INCHES W.G.																			
		2" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP		6 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2714	800																				
3053	900																				
3392	1000																				
3731	1100																				
4070	1200	1248	1.90																		
4410	1300	1271	2.04	1389	2.58																
4749	1400	1297	2.21	1409	2.76	1518	3.35														
5088	1500	1332	2.41	1433	2.95	1535	3.55	1638	4.20												
5427	1600	1369	2.63	1462	3.17	1559	3.78	1654	4.43	1750	5.12										
5766	1700	1407	2.87	1497	3.42	1584	4.02	1677	4.68	1766	5.38	1857	6.12								
6106	1800	1446	3.13	1535	3.71	1618	4.31	1702	4.96	1789	5.67	1872	6.40	1959	7.20						
6445	1900	1486	3.40	1573	4.01	1654	4.63	1732	5.28	1813	5.98	1895	6.73	1974	7.51	2056	8.34				
6784	2000	1526	3.67	1612	4.33	1692	4.97	1767	5.63	1841	6.33	1919	7.08	1997	7.88	2072	8.69	2150	9.56		
7462	2200	1607	4.28	1691	5.00	1769	5.73	1843	6.44	1912	7.15	1980	7.90	2047	8.68	2119	9.52	2189	10.38	2258	11.28
8141	2400	1690	4.96	1772	5.74	1849	6.54	1920	7.33	1989	8.10	2053	8.87	2116	9.67	2178	10.50	2240	11.36	2306	12.28
8819	2600	1780	5.76	1855	6.57	1929	7.41	2000	8.28	2067	9.15	2130	9.97	2191	10.81	2250	11.66	2307	12.52	2364	13.43
9498	2800	1875	6.67	1940	7.50	2012	8.39	2081	9.30	2146	10.22	2209	11.17	2269	12.07	2326	12.96	2382	13.87	2436	14.78
10176	3000	1971	7.68	2034	8.56	2095	9.45	2163	10.43	2227	11.40	2288	12.38	2347	13.39	2404	14.38	2459	15.34	2512	16.30
10854	3200	2069	8.82	2129	9.74	2187	10.68	2246	11.65	2309	12.68	2369	13.72	2427	14.78	2483	15.85	2537	16.92	2589	17.93
11533	3400	2168	10.08	2226	11.04	2282	12.03	2336	13.04	2393	14.09	2452	15.19	2508	16.28	2563	17.40	2617	18.54	2668	19.67
12211	3600	2267	11.45	2324	12.49	2378	13.52	2430	14.57	2481	15.64	2535	16.76	2591	17.92	2645	19.09	2697	20.26	2748	21.46
12890	3800	2368	12.98	2423	14.07	2475	15.15	2526	16.25	2575	17.36	2623	18.50	2675	19.69	2727	20.89	2779	22.13	2829	23.38
13568	4000	2469	14.65	2522	15.78	2574	16.94	2623	18.08	2671	19.25	2717	20.42	2762	21.60	2811	22.84	2862	24.14	2911	25.43

Underlined figures in columns approximate Max. Static Efficiency and Quietest Selection. CL. I □ CL. II □ CL. III □ CL. IV □
Refer to factors on page 54 to convert numbers above to the desired metric units.
The standard AMCA class range is shown by the shaded areas. Standard carbon steel fans may be used up to the Maximum Design RPM as listed above for each fan class.
For minimum motor size required see "Fan Starting Requirements," page 9.
If the Maximum Safe Operating RPM is not shown, consult the factory.
Performance certified is for Installation Type B - Free Inlet, Ducted Outlet.
Performance ratings do not include the effects of appurtenances. Power rating does not include transmission losses.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70 F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

3000 SERIES

SIZE 3020

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

DOUBLE WIDTH
DOUBLE INLET

SIZE 3020	-20° to 150°F	-29° to 66°C
CLASS I	2031	
CLASS II	2648	
CLASS III	—	
CLASS IV	—	

Wheel Diameter	20.00 inches	508 mm
Wheel Circumference	5.24 feet	1.597 m
Inlet Diameter/Area	21.75 inches dia./5.16 sq. ft.	552 mm/.4794 m ²
Outlet Size/Area	20.98 x 28.29 inches I.D./4.12 sq. ft.	533 x 719 mm/.3828 m ²
Tip Speed	5.24 x RPM ft./minute	1.597 x RPM m/minute
Maximum BHP	1.522 x (RPM ÷ 1000) ³ BHP	1.135 x (RPM ÷ 1000) ³ kW

VOL CFM	OUT VEL	¼" SP		⅜" SP		½" SP		⅝" SP		¾" SP		⅞" SP		1" SP		1¼" SP		1½" SP		1¾" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP												
3318	800	535	0.23	588	0.31	636	0.38	680	0.46	723	0.54	765	0.62	803	0.70						
3732	900	574	0.29	624	0.37	670	0.45	712	0.54	750	0.62	792	0.71	829	0.80	902	0.99				
4147	1000	615	0.35	662	0.44	706	0.53	747	0.63	786	0.72	821	0.81	856	0.91	925	1.11	991	1.32	1057	1.56
4562	1100	658	0.43	703	0.53	741	0.62	783	0.73	820	0.83	855	0.93	889	1.04	953	1.25	1015	1.47	1075	1.70
4976	1200	702	0.51	741	0.61	783	0.73	821	0.84	856	0.95	890	1.06	922	1.17	984	1.40	1042	1.63	1099	1.87
5391	1300	747	0.61	786	0.73	821	0.84	859	0.97	891	1.08	926	1.21	958	1.33	1017	1.57	1073	1.81	1127	2.06
5806	1400	793	0.73	829	0.85	864	0.97	899	1.10	932	1.23	962	1.36	994	1.49	1050	1.74	1106	2.01	1158	2.28
6220	1500	839	0.85	873	0.98	906	1.12	939	1.25	971	1.39	1002	1.53	1031	1.67	1086	1.94	1139	2.22	1191	2.51
6635	1600	886	1.00	918	1.13	950	1.28	980	1.42	1012	1.57	1041	1.72	1068	1.86	1124	2.16	1174	2.45	1224	2.75
7050	1700	934	1.16	964	1.30	994	1.45	1024	1.61	1053	1.76	1081	1.92	1109	2.08	1162	2.39	1212	2.70	1260	3.02
7465	1800	982	1.34	1011	1.50	1039	1.65	1067	1.81	1095	1.97	1121	2.13	1147	2.29	1200	2.63	1249	2.97	1296	3.30
7879	1900	1031	1.54	1057	1.70	1085	1.87	1111	2.03	1138	2.20	1164	2.38	1190	2.55	1239	2.90	1287	3.25	1333	3.60
8294	2000	1080	1.77	1103	1.92	1130	2.10	1156	2.27	1181	2.45	1207	2.64	1231	2.81	1279	3.18	1326	3.55	1370	3.92
9123	2200	1178	2.28	1200	2.45	1224	2.64	1247	2.82	1270	3.01	1294	3.22	1315	3.40	1362	3.82	1405	4.21	1448	4.62
9953	2400	1277	2.88	1298	3.07	1320	3.28	1341	3.48	1362	3.68	1383	3.89	1403	4.09	1446	4.53	1487	4.97	1527	5.41
10782	2600	1377	3.59	1396	3.80	1416	4.01	1435	4.22	1455	4.45	1474	4.66	1494	4.89	1533	5.35	1571	5.81	1610	6.30
11612	2800	1478	4.43	1495	4.64	1513	4.86	1531	5.09	1549	5.32	1568	5.57	1586	5.81	1622	6.29	1659	6.80	1694	7.29
12441	3000	1578	5.37	1595	5.61	1611	5.84	1628	6.08	1644	6.32	1662	6.58	1679	6.83	1712	7.34	1747	7.88	1780	8.40
13270	3200	1679	6.45	1695	6.70	1710	6.95	1726	7.21	1742	7.47	1757	7.72	1773	7.99	1805	8.53	1837	9.09	1869	9.66
14100	3400	1780	7.67	1794	7.92	1809	8.19	1824	8.47	1839	8.74	1854	9.02	1869	9.30	1899	9.87	1929	10.50	1959	11.00
14929	3600	1882	9.05	1895	9.31	1909	9.59	1923	9.88	1937	10.20	1951	10.50	1965	10.70	1993	11.30	2021	11.90	2050	12.60
15759	3800	1983	10.60	1997	10.90	2009	11.10	2022	11.40	2035	11.70	2049	12.10	2062	12.40	2088	13.00	2116	13.60	2142	14.30
16588	4000	2086	12.30	2097	12.60	2110	12.90	2122	13.20	2134	13.50	2147	13.80	2160	14.10	2185	14.80	2210	15.40	2236	16.10

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP																
4976	1200	1155	2.12																		
5391	1300	1180	2.32	1282	2.87																
5806	1400	1208	2.54	1305	3.11																
6220	1500	1239	2.79	1332	3.37	1421	3.98														
6635	1600	1271	3.05	1361	3.66	1447	4.29	1531	4.96												
7050	1700	1305	3.33	1393	3.97	1476	4.63	1555	5.30	1633	6.01										
7465	1800	1341	3.64	1426	4.31	1506	4.99	1584	5.69	1659	6.42	1732	7.17								
7879	1900	1376	3.95	1459	4.65	1538	5.37	1613	6.10	1686	6.84	1757	7.61	1826	8.40						
8294	2000	1412	4.28	1494	5.03	1571	5.77	1644	6.52	1715	7.30	1783	8.08	1851	8.90	1917	9.73				
9123	2200	1488	5.02	1567	5.84	1640	6.65	1711	7.48	1778	8.30	1843	9.13	1907	10.00	1968	10.80	2030	11.80	2090	12.70
9953	2400	1567	5.86	1642	6.75	1712	7.62	1780	8.51	1845	9.40	1907	10.30	1968	11.20	2027	12.10	2086	13.10	2143	14.00
10782	2600	1647	6.78	1719	7.74	1787	8.69	1853	9.66	1915	10.60	1975	11.60	2035	12.60	2091	13.50	2148	14.50	2201	15.50
11612	2800	1729	7.80	1798	8.84	1864	9.87	1927	10.90	1988	11.90	2047	13.00	2103	14.00	2159	15.10	2213	16.10	2265	17.20
12441	3000	1814	8.95	1879	10.00	1943	11.20	2004	12.30	2063	13.40	2119	14.50	2175	15.60	2229	16.70	2281	17.80	2332	18.90
13270	3200	1900	10.20	1963	11.40	2024	12.60	2082	13.70	2140	14.90	2194	16.10	2248	17.30	2300	18.50	2351	19.60	2401	20.80
14100	3400	1989	11.70	2048	12.90	2106	14.10	2163	15.40	2218	16.60	2271	17.90	2324	19.10	2374	20.40	2424	21.60	2472	22.90
14929	3600	2079	13.20	2134	14.50	2190	15.80	2245	17.10	2298	18.40	2350	19.80	2401	21.10	2450	22.40	2498	23.70	2546	25.10
15759	3800	2170	14.90	2223	16.30	2276	17.60	2328	19.00	2380	20.40	2430	21.80	2479	23.20	2527	24.60	2575	26.00	2621	27.40
16588	4000	2261	16.80	2313	18.20	2363	19.60	2413	21.10	2463	22.50	2511	24.00	2559	25.50	2606	26.90				

Underlined figures in columns approximate Max. Static Efficiency and Quietest Selection. CL. I □ CL. II ■ CL. III ■ CL. IV ■
Refer to factors on page 54 to convert numbers above to the desired metric units.
The standard AMCA class range is shown by the shaded areas. Standard carbon steel fans may be used up to the Maximum Design RPM as listed above for each fan class.
For minimum motor size required see "Fan Starting Requirements," page 9.
If the Maximum Safe Operating RPM is not shown, consult the factory.
Performance certified is for Installation Type B - Free Inlet, Ducted Outlet.
Performance ratings do not include the effects of appurtenances. Power rating does not include transmission losses.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70 F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

SILENTVANE™

SIZE 3022 DOUBLE WIDTH DOUBLE INLET

MAXIMUM CLASS OPERATING RPM FAN TEMPERATURE

Wheel Diameter	22.25 inches	565 mm
Wheel Circumference	5.83 feet	1.777 m
Inlet Diameter/Area	24.0 inches dia./6.28 sq. ft.	610 mm/.5834 m ²
Outlet Diameter/Area	23.29 x 30.98 inches I.D./5.01 sq. ft.	592 x 787 mm/.4654 m ²
Tip Speed	5.83 x RPM ft./minute	1.777 x RPM m/minute
Maximum BHP	2.594 x (RPM ÷ 1000) ³ BHP	1.934 x (RPM ÷ 1000) ³ kW

SIZE 3022	-20° to 150°F	-29° to 66°C
CLASS I	1810	
CLASS II	2359	
CLASS III	—	
CLASS IV	—	

VOL CFM	OUT VEL	¼" SP		⅜" SP		½" SP		⅝" SP		¾" SP		⅞" SP		1" SP		1¼" SP		1½" SP		1¾" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP												
4055	800	477	0.28	525	0.37	566	0.46	609	0.56	648	0.65	684	0.75	723	0.87						
4562	900	511	0.35	558	0.45	598	0.55	637	0.65	674	0.76	709	0.87	743	0.98	809	1.21				
5069	1000	549	0.43	590	0.53	629	0.64	668	0.76	702	0.88	735	0.99	767	1.11	829	1.36	889	1.62	948	1.90
5576	1100	586	0.51	627	0.64	664	0.76	699	0.88	731	1.00	763	1.13	794	1.26	853	1.52	909	1.79	963	2.07
6083	1200	625	0.62	661	0.74	698	0.88	731	1.01	763	1.15	794	1.29	824	1.43	880	1.70	933	1.99	983	2.27
6590	1300	664	0.73	700	0.88	734	1.02	767	1.17	797	1.31	826	1.46	856	1.61	909	1.90	959	2.20	1009	2.51
7097	1400	705	0.87	738	1.02	771	1.18	801	1.33	831	1.49	860	1.65	888	1.81	940	2.13	989	2.45	1036	2.77
7603	1500	746	1.02	778	1.19	808	1.35	837	1.51	865	1.68	894	1.86	920	2.02	971	2.36	1019	2.70	1065	3.05
8110	1600	789	1.20	817	1.36	846	1.54	873	1.71	902	1.90	928	2.07	955	2.26	1003	2.61	1051	2.99	1095	3.35
8617	1700	830	1.39	857	1.56	885	1.75	912	1.94	938	2.13	964	2.32	989	2.51	1037	2.90	1082	3.28	1124	3.65
9124	1800	873	1.61	899	1.79	925	1.99	951	2.19	975	2.38	1000	2.58	1025	2.79	1071	3.19	1115	3.60	1157	4.00
9631	1900	916	1.85	940	2.04	965	2.24	989	2.44	1014	2.66	1037	2.86	1061	3.08	1106	3.51	1148	3.93	1190	4.37
10138	2000	959	2.11	983	2.32	1006	2.52	1029	2.74	1052	2.95	1075	3.18	1098	3.41	1140	3.84	1183	4.30	1224	4.76
11152	2200	1046	2.72	1068	2.94	1089	3.17	1109	3.39	1131	3.63	1152	3.87	1172	4.10	1213	4.60	1253	5.10	1291	5.59
12166	2400	1135	3.45	1154	3.68	1173	3.92	1192	4.17	1211	4.41	1231	4.68	1250	4.94	1289	5.48	1326	6.01	1362	6.54
13179	2600	1224	4.31	1241	4.55	1258	4.80	1276	5.07	1294	5.34	1312	5.61	1329	5.88	1365	6.45	1400	7.02	1435	7.61
14193	2800	1312	5.28	1328	5.54	1345	5.83	1360	6.09	1378	6.39	1394	6.67	1411	6.97	1444	7.57	1478	8.20	1510	8.81
15207	3000	1402	6.42	1417	6.71	1431	6.98	1447	7.28	1463	7.60	1478	7.90	1493	8.20	1525	8.85	1555	9.48	1586	10.10
16221	3200	1492	7.72	1505	8.00	1519	8.30	1533	8.61	1548	8.94	1562	9.26	1577	9.60	1606	10.30	1635	10.90	1664	11.60
17235	3400	1581	9.16	1595	9.50	1607	9.79	1621	10.10	1634	10.50	1648	10.80	1662	11.20	1689	11.90	1717	12.60	1743	13.30
18248	3600	1671	10.80	1684	11.10	1696	11.50	1709	11.80	1721	12.20	1734	12.50	1746	12.90	1772	13.60	1798	14.40	1824	15.10
19262	3800	1761	12.60	1773	13.00	1785	13.30	1797	13.70	1809	14.10	1820	14.40	1833	14.80	1857	15.60	1882	16.40	1906	17.10
20276	4000	1852	14.60	1863	15.00	1874	15.40	1886	15.80	1897	16.20	1908	16.50	1919	16.90	1942	17.70	1966	18.60	1989	19.40

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP																
6083	1200	1035	2.59																		
6590	1300	1057	2.84																		
7097	1400	1081	3.10	1169	3.79																
7603	1500	1109	3.40	1193	4.12	1273	4.86														
8110	1600	1137	3.71	1218	4.46	1296	5.24	1371	6.05												
8617	1700	1167	4.05	1246	4.83	1321	5.64	1393	6.47	1464	7.35										
9124	1800	1198	4.41	1274	5.22	1348	6.08	1418	6.94	1485	7.82	1552	8.75								
9631	1900	1230	4.80	1305	5.66	1375	6.52	1444	7.43	1509	8.33	1573	9.28	1636	10.30						
10138	2000	1262	5.20	1335	6.10	1404	7.01	1470	7.93	1535	8.89	1596	9.84	1658	10.90	1718	11.90				
11152	2200	1329	6.10	1399	7.08	1466	8.08	1529	9.08	1590	10.10	1649	11.10	1706	12.20	1763	13.20	1818	14.30	1873	15.50
12166	2400	1397	7.08	1465	8.16	1529	9.24	1591	10.30	1649	11.40	1706	12.50	1761	13.60	1815	14.80	1867	15.90	1919	17.10
13179	2600	1469	8.20	1533	9.36	1595	10.50	1654	11.70	1711	12.90	1766	14.10	1819	15.30	1871	16.50	1921	17.70	1970	18.90
14193	2800	1541	9.42	1604	10.70	1663	11.90	1720	13.20	1776	14.50	1828	15.70	1879	17.00	1930	18.30	1978	19.60	2026	20.90
15207	3000	1617	10.80	1676	12.20	1733	13.50	1788	14.80	1842	16.20	1893	17.60	1943	18.90	1991	20.30	2038	21.60	2085	23.00
16221	3200	1693	12.30	1750	13.80	1805	15.20	1857	16.60	1909	18.10	1960	19.50	2008	21.00	2055	22.40	2101	23.90	2146	25.30
17235	3400	1771	14.00	1824	15.50	1877	17.00	1929	18.60	1978	20.10	2027	21.60	2074	23.20	2120	24.70	2165	26.20	2209	27.80
18248	3600	1850	15.90	1901	17.50	1952	19.10	2001	20.70	2049	22.30	2096	23.90	2142	25.50	2187	27.20	2231	28.80	2273	30.40
19262	3800	1930	17.90	1979	19.60	2028	21.30	2075	23.00	2122	24.70	2167	26.40	2212	28.10	2255	29.80	2298	31.50	2339	33.20
20276	4000	2012	20.20	2059	21.90	2105	23.70	2151	25.50	2195	27.20	2239	29.00	2283	30.80	2325	32.60				

Underlined figures in columns approximate Max. Static Efficiency and Quietest Selection. CL. I □ CL. II □ CL. III □ CL. IV ■
Refer to factors on page 54 to convert numbers above to the desired metric units.
The standard AMCA class range is shown by the shaded areas. Standard carbon steel fans may be used up to the Maximum Design RPM as listed above for each fan class.
For minimum motor size required see "Fan Starting Requirements," page 9.
If the Maximum Safe Operating RPM is not shown, consult the factory.
Performance certified is for Installation Type B - Free Inlet, Ducted Outlet.
Performance ratings do not include the effects of appurtenances. Power rating does not include transmission losses.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70 F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

3000 SERIES

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

DOUBLE WIDTH
DOUBLE INLET

SIZE 3024

SIZE 3024	-20° to 150°F	-29° to 66°C
CLASS I	1553	
CLASS II	2024	
CLASS III	—	
CLASS IV	—	

Wheel Diameter	24.50 inches	622 mm
Wheel Circumference	6.41 feet	1.954 m
Inlet Diameter/Area	27.0 inches dia./7.96 sq. ft.	686 mm/.7395 m ²
Outlet Size/Area	25.60 x 34.38 inches I.D./6.11 sq. ft.	650 x 873 mm/.5676 m ²
Tip Speed	6.41 x RPM ft./minute	1.954 x RPM m/minute
Maximum BHP	4.519 x (RPM ÷ 1000) ³ BHP	3.370 x (RPM ÷ 1000) ³ kW

VOL CFM	OV FPM	STATIC PRESSURE IN INCHES W.G.																				
		1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP		
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
4960	800	427	0.35	468	0.46	505	0.57	540	0.69	577	0.84	629	1.08	679	1.38							
5580	900	459	0.43	498	0.55	533	0.67	566	0.80	604	1.03	653	1.39	706	1.56	755	1.89					
6200	1000	492	0.53	529	0.66	563	0.80	594	0.93	624	1.08	653	1.23	679	1.38							
6820	1100	527	0.64	561	0.79	594	0.94	624	1.08	652	1.23	680	1.39									
7440	1200	561	0.77	595	0.93	625	1.10	655	1.26	682	1.42	708	1.58	733	1.75	781	2.11	826	2.48	893	3.13	
8060	1300	598	0.92	629	1.10	658	1.27	686	1.45	713	1.62	738	1.79	762	1.97	808	2.34	852	2.73	919	3.43	
8680	1400	637	1.10	663	1.28	692	1.47	718	1.66	744	1.85	768	2.03	792	2.22	836	2.60	879	3.01	946	3.75	
9300	1500	675	1.30	698	1.48	726	1.68	751	1.89	776	2.10	800	2.29	822	2.49	865	2.89	906	3.31	973	4.10	
9920	1600	714	1.53	736	1.72	760	1.92	785	2.14	809	2.36	831	2.58	854	2.79	896	3.21	935	3.65	973	4.10	
10540	1700	754	1.78	774	1.98	795	2.19	819	2.42	842	2.65	864	2.89	885	3.12	927	3.56	965	4.02	1002	4.48	
11160	1800	793	2.06	813	2.27	831	2.49	854	2.72	876	2.97	897	3.21	918	3.46	958	3.94	996	4.42	1032	4.90	
11780	1900	833	2.37	852	2.59	869	2.82	889	3.06	910	3.31	931	3.57	951	3.83	990	4.36	1027	4.85	1062	5.36	
12400	2000	873	2.71	891	2.95	908	3.19	925	3.43	945	3.69	965	3.96	985	4.23	1022	4.78	1058	5.32	1093	5.85	
13640	2200	953	3.50	970	3.76	986	4.02	1001	4.28	1016	4.55	1034	4.84	1053	5.13	1089	5.73	1123	6.34	1156	6.93	
14880	2400	1034	4.44	1049	4.72	1064	5.01	1079	5.29	1093	5.58	1107	5.87	1123	6.17	1157	6.82	1190	7.47	1221	8.13	
16120	2600	1115	5.55	1130	5.85	1144	6.15	1157	6.46	1170	6.77	1184	7.08	1196	7.39	1226	8.06	1257	8.76	1287	9.47	
17360	2800	1197	6.82	1210	7.15	1223	7.47	1236	7.80	1249	8.13	1261	8.47	1273	8.80	1297	9.48	1326	10.22	1355	10.97	
18600	3000	1279	8.29	1291	8.64	1303	8.99	1316	9.34	1327	9.69	1339	10.04	1351	10.40	1373	11.12	1396	11.86	1424	12.66	
19840	3200	1361	9.96	1372	10.33	1384	10.70	1395	11.07	1407	11.45	1418	11.82	1429	12.20	1450	12.96	1471	13.73	1494	14.54	
21080	3400	1443	11.85	1454	12.24	1465	12.63	1476	13.03	1487	13.42	1497	13.82	1508	14.22	1528	15.03	1548	15.84	1568	16.66	
22320	3600	1525	13.96	1536	14.38	1546	14.79	1556	15.21	1567	15.63	1577	16.05	1587	16.47	1606	17.32	1625	18.18	1644	19.04	
23560	3800	1607	16.32	1617	16.76	1627	17.20	1637	17.64	1647	18.08	1657	18.52	1666	18.96	1685	19.86	1703	20.76	1721	21.66	
24800	4000	1690	18.94	1699	19.40	1709	19.86	1718	20.32	1728	20.78	1737	21.25	1746	21.71	1764	22.65	1782	23.59	1799	24.54	

VOL CFM	OV FPM	STATIC PRESSURE IN INCHES W.G.																				
		2" SP		2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP		6 1/2" SP		
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
9300	1500	983	4.20	1062	5.17																	
9920	1600	1010	4.57	1079	5.54																	
10540	1700	1037	4.96	1106	5.97	1169	7.02															
11160	1800	1066	5.39	1132	6.44	1195	7.52	1259	8.67													
11780	1900	1095	5.87	1160	6.93	1221	8.06	1279	9.21	1344	10.47											
12400	2000	1126	6.38	1188	7.46	1248	8.63	1305	9.82	1359	11.05	1424	12.40									
13640	2200	1188	7.51	1248	8.68	1304	9.87	1359	11.14	1412	12.45	1462	13.78	1510	15.14	1573	16.68					
14880	2400	1251	8.79	1309	10.05	1364	11.33	1415	12.63	1466	14.00	1515	15.42	1562	16.86	1608	18.32	1652	19.81	1711	21.50	
16120	2600	1316	10.19	1372	11.59	1425	12.96	1475	14.35	1523	15.75	1570	17.21	1616	18.73	1661	20.28	1704	21.85	1745	23.43	
17360	2800	1383	11.74	1436	13.29	1488	14.77	1537	16.25	1583	17.74	1628	19.25	1671	20.79	1715	22.42	1758	24.07	1798	25.74	
18600	3000	1451	13.47	1503	15.11	1551	16.78	1599	18.35	1645	19.93	1689	21.53	1731	23.14	1771	24.77	1812	26.47	1853	28.23	
19840	3200	1520	15.40	1570	17.13	1617	18.89	1663	20.65	1707	22.32	1750	24.01	1792	25.71	1831	27.43	1870	29.16	1908	30.91	
21080	3400	1590	17.53	1638	19.35	1684	21.21	1728	23.08	1771	24.95	1813	26.72	1853	28.51	1892	30.32	1930	32.14	1967	33.97	
22320	3600	1662	19.91	1707	21.80	1752	23.74	1795	25.71	1836	27.70	1876	29.67	1916	31.55	1954	33.44	1992	35.35			
23560	3800	1739	22.57	1777	24.48	1821	26.52	1862	28.58	1903	30.66	1941	32.77	1979	34.84	2017	36.82					
24800	4000	1816	25.50	1849	27.43	1890	29.53	1930	31.69	1970	33.86	2008	36.06									

Underlined figures in columns approximate Max. Static Efficiency and Quietest Selection. CL. I □ CL. II ■ CL. III ■ CL. IV ■
Refer to factors on page 54 to convert numbers above to the desired metric units.
The standard AMCA class range is shown by the shaded areas. Standard carbon steel fans may be used up to the Maximum Design RPM as listed above for each fan class.
For minimum motor size required see "Fan Starting Requirements," page 9.
If the Maximum Safe Operating RPM is not shown, consult the factory.
Performance certified is for Installation Type B - Free Inlet, Ducted Outlet.
Performance ratings do not include the effects of appurtenances. Power rating does not include transmission losses.
All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70 F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

3000 SERIES

SIZE 3030

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

DOUBLE WIDTH
DOUBLE INLET

SIZE 3030	-20° to 150°F	-29° to 66°C
CLASS I	1281	
CLASS II	1670	
CLASS III	2104	
CLASS IV	—	

Wheel Diameter	30.00 inches	762 mm
Wheel Circumference	7.85 feet	2.393 m
Inlet Diameter/Area	32.5 inches dia./11.50 sq. ft.	825 mm/1.068 m ²
Outlet Size/Area	31.42 x 42.35 inches I.D./9.24 sq. ft.	798 x 1076 mm/8584 m ²
Tip Speed	7.85 x RPM ft./minute	2.393 x RPM m/minute
Maximum BHP	12.21 x (RPM + 1000) ³ BHP	9.105 x (RPM + 1000) ³ kW

VOL CFM	OUT VEL	¼" SP		½" SP		¾" SP		1" SP		1½" SP		2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP		
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
7394	800	337	0.47	370	0.61	403	0.77	434	0.94	463	1.11																					
8318	900	361	0.58	393	0.74	423	0.91	452	1.09	480	1.28																					
9242	1000	388	0.71	417	0.89	445	1.08	470	1.25	497	1.46	507	1.47	533	1.67																	
10166	1100	414	0.86	442	1.06	468	1.26	493	1.46	518	1.68	540	1.88	565	2.12	609	2.57	652	3.05													
11090	1200	442	1.03	468	1.25	493	1.47	516	1.68	539	1.91	561	2.13	582	2.36	626	2.86	666	3.36	708	3.92											
12015	1300	470	1.23	495	1.47	518	1.70	540	1.93	561	2.16	582	2.40	603	2.66	645	3.19	683	3.71	721	4.26											
12939	1400	500	1.47	523	1.72	545	1.97	566	2.22	586	2.47	607	2.74	626	2.99	664	3.53	701	4.08	736	4.64											
13863	1500	530	1.74	551	2.00	572	2.27	592	2.53	610	2.78	630	3.07	649	3.35	685	3.91	721	4.50	755	5.09											
14787	1600	559	2.02	579	2.30	600	2.60	619	2.88	637	3.16	655	3.44	673	3.74	708	4.34	741	4.93	774	5.55											
15711	1700	589	2.35	609	2.66	627	2.95	645	3.24	663	3.55	680	3.85	698	4.17	731	4.79	764	5.44	795	6.08											
16636	1800	619	2.71	638	3.04	656	3.36	673	3.67	690	3.98	707	4.31	723	4.63	755	5.28	785	5.92	816	6.61											
17560	1900	649	3.11	668	3.47	685	3.80	701	4.12	717	4.45	734	4.80	750	5.15	780	5.82	810	6.52	839	7.22											
18484	2000	680	3.56	697	3.91	713	4.26	729	4.61	746	4.99	761	5.33	776	5.68	806	6.41	835	7.14	863	7.87											
20332	2200	741	4.56	757	4.96	772	5.34	788	5.78	802	6.13	816	6.41	830	6.90	858	7.69	885	8.48	911	9.27											
22181	2400	804	5.79	818	6.21	832	6.63	846	7.05	860	7.49	875	7.90	886	8.32	912	9.17	937	10.00	962	10.90											
24029	2600	866	7.20	879	7.65	892	8.10	905	8.56	918	9.02	931	9.50	943	9.95	967	10.90	991	11.80	1014	12.70											
25878	2800	929	8.84	941	9.32	953	9.80	966	10.30	978	10.80	989	11.30	1001	11.80	1024	12.80	1046	13.80	1068	14.80											
27726	3000	991	10.70	1003	11.20	1015	11.80	1026	12.30	1037	12.80	1048	13.30	1060	13.90	1081	14.90	1102	16.00	1124	17.10											
29574	3200	1054	12.80	1065	13.40	1077	14.00	1087	14.50	1098	15.10	1108	15.60	1119	16.20	1140	17.40	1159	18.50	1180	19.60											
31423	3400	1117	15.20	1128	15.80	1138	16.40	1149	17.10	1159	17.70	1168	18.20	1178	18.80	1199	20.10	1218	21.30	1236	22.40											
33271	3600	1181	17.90	1191	18.60	1201	19.20	1211	19.90	1220	20.50	1229	21.10	1239	21.80	1257	23.00	1276	24.30	1294	25.60											
35120	3800	1244	20.90	1254	21.60	1263	22.30	1272	22.90	1281	23.60	1290	24.30	1300	25.00	1317	26.30	1335	27.70	1352	29.00											
36968	4000	1308	24.30	1317	25.00	1326	25.70	1335	26.40	1343	27.10	1352	27.80	1361	28.50	1377	29.90	1394	31.30	1411	32.80											
38816	4200	1372	28.00	1380	28.70	1389	29.40	1397	30.20	1405	30.90	1414	31.70	1422	32.40	1438	33.90	1455	35.40	1471	36.90											
40665	4400	1435	31.90	1443	32.70	1452	33.50	1459	34.20	1468	35.10	1476	35.90	1483	36.60	1499	38.20	1515	39.80	1530	41.30											
42513	4600	1499	36.30	1507	37.20	1515	38.00	1523	38.90	1530	39.60	1538	40.50	1546	41.30	1560	42.90	1575	44.50	1590	46.10											
44362	4800	1563	41.10	1570	42.00	1578	42.90	1586	43.80	1593	44.60	1600	45.40	1607	46.20	1622	48.00	1636	49.70	1651	51.40											
46210	5000	1627	46.40	1634	47.30	1641	48.10	1648	49.00	1656	50.00	1663	50.90	1670	51.80	1684	53.50	1698	55.30	1711	57.00											
48058	5200	1691	52.00	1698	53.00	1705	53.90	1712	54.80	1718	55.70	1725	56.60	1732	57.60	1746	59.50	1759	61.30	1772	63.10											

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
12015	1300	757	4.82																		
12939	1400	773	5.26																		
13863	1500	789	5.71	854	7.00																
14787	1600	807	6.21	869	7.53	930	8.95														
15711	1700	825	6.72	886	8.12	944	9.56	1001	11.10												
16636	1800	847	7.34	904	8.74	960	10.20	1015	11.80	1068	13.40										
17560	1900	868	7.95	923	9.41	977	10.90	1030	12.60	1081	14.20										
18484	2000	890	8.61	943	10.10	995	11.70	1046	13.30	1096	15.10	1145	16.80								
20332	2200	937	10.10	987	11.70	1035	13.40	1083	15.10	1129	16.90	1175	18.80	1220	20.70	1264	22.60	1307	24.60		
22181	2400	985	11.80	1033	13.50	1079	15.30	1124	17.20	1167	19.00	1210	20.90	1252	22.90	1294	25.00	1335	27.00	1375	29.10
24029	2600	1037	13.60	1081	15.50	1125	17.40	1167	19.40	1208	21.30	1249	23.40	1289	25.50	1328	27.60	1367	29.70	1405	31.90
25878	2800	1090	15.80	1132	17.80	1173	19.80	1213	21.90	1253	24.00	1290	26.00	1328	28.20	1366	30.50	1403	32.70	1439	35.00
27726	3000	1144	18.10	1184	20.30	1223	22.40	1261	24.60	1298	26.80	1335	29.00	1371	31.30	1407	33.60	1442	36.00	1476	38.30
29574	3200	1199	20.70	1237	23.00	1274	25.30	1311	27.60	1347	30.00	1382	32.30	1416	34.70	1450	37.10	1483	39.50	1516	42.00
31423	3400	1255	23.60	1292	26.10	1327	28.50	1362	30.90	1396	33.40	1429	35.80	1463	38.40</						

3000 SERIES

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

DOUBLE WIDTH
DOUBLE INLET

SIZE 3037

SIZE 3037	-20° to 150°F -29° to 66°C
CLASS I	1056
CLASS II	1377
CLASS III	1735
CLASS IV	—

Wheel Diameter	36.50 inches	927 mm
Wheel Circumference	9.56 feet	2.914 m
Inlet Diameter/Area	39.0 inches dia./16.60 sq. ft.	991 mm/1.542 m ²
Outlet Size/Area	38.29 x 51.60 inches I.D./13.72 sq. ft.	973 x 1311 mm/1.275 m ²
Tip Speed	9.56 x RPM ft./minute	2.914 x RPM m/minute
Maximum BHP	32.60 x (RPM ÷ 1000) ³ BHP	24.31 x (RPM ÷ 1000) ³ kW

VOL CFM	OUT VEL	¼" SP		¾" SP		1½" SP		2½" SP		3½" SP		4½" SP		1" SP		1¼" SP		1½" SP		1¾" SP			
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP		
10993	800	277	0.70	305	0.92	332	1.15	357	1.39	382	1.66	407	1.94	439	2.49	451	2.80	490	3.45	538	4.58	582	5.82
12367	900	298	0.86	324	1.11	347	1.35	372	1.63	395	1.90	416	2.17	451	2.80	484	3.13	502	3.64	549	5.02	593	6.33
13741	1000	318	1.04	344	1.33	367	1.61	387	1.87	409	2.17	430	2.47	464	3.13	490	3.64	502	3.64	538	4.58	582	5.82
15115	1100	341	1.27	364	1.57	386	1.88	407	2.19	426	2.49	445	2.80	484	3.13	502	3.64	538	4.58	582	5.82	622	7.59
16489	1200	364	1.54	386	1.87	406	2.19	426	2.53	444	2.85	463	3.20	480	3.53	515	4.26	549	5.02	582	5.82	622	7.59
17863	1300	387	1.83	408	2.19	427	2.54	445	2.88	463	3.24	480	3.60	497	3.96	530	4.72	562	5.51	593	6.33	622	7.59
19237	1400	413	2.21	431	2.57	449	2.94	466	3.30	483	3.68	500	4.08	515	4.44	547	5.26	577	6.07	607	6.94	622	7.59
20612	1500	437	2.59	455	3.00	471	3.37	488	3.78	503	4.16	519	4.57	535	5.00	564	5.81	593	6.68	622	7.59	622	7.59
21986	1600	462	3.04	478	3.45	494	3.87	509	4.27	525	4.71	540	5.15	555	5.59	583	6.46	611	7.37	638	8.30	622	7.59
23360	1700	486	3.52	502	3.97	518	4.43	532	4.85	547	5.31	561	5.76	575	6.21	603	7.16	629	8.09	655	9.06	622	7.59
24734	1800	511	4.07	526	4.54	541	5.01	555	5.48	569	5.95	583	6.44	596	6.91	622	7.87	648	8.88	673	9.89	622	7.59
26108	1900	536	4.67	551	5.18	564	5.65	578	6.15	592	6.67	605	7.17	618	7.68	643	8.69	667	9.70	691	10.80	622	7.59
27482	2000	561	5.32	575	5.85	589	6.40	601	6.88	615	7.44	627	7.95	640	8.50	664	9.55	688	10.60	711	11.70	622	7.59
30230	2200	612	6.85	625	7.44	637	8.00	649	8.57	662	9.19	673	9.74	685	10.30	707	11.50	729	12.60	751	13.80	622	7.59
32978	2400	663	8.66	675	9.29	686	9.90	698	10.60	709	11.29	720	11.80	731	12.50	752	13.70	773	15.00	792	16.20	622	7.59
35727	2600	715	10.80	726	11.50	736	12.10	747	12.80	758	13.50	767	14.10	778	14.90	798	16.30	817	17.60	836	19.00	622	7.59
38475	2800	766	13.20	777	14.00	787	14.70	796	15.40	806	16.10	816	16.80	826	17.70	844	19.10	863	20.60	881	22.10	622	7.59
41223	3000	818	15.80	828	16.80	837	17.60	847	18.40	856	19.20	865	20.00	874	20.80	892	22.30	909	23.90	926	25.50	622	7.59
43971	3200	870	18.20	879	20.00	888	20.90	897	21.70	906	22.60	914	23.40	923	24.30	940	26.00	957	27.70	973	29.30	622	7.59
46719	3400	922	22.80	931	23.70	939	24.60	948	25.50	956	26.40	964	27.30	973	28.30	988	29.90	1004	31.70	1020	33.60	622	7.59
49468	3600	974	26.80	983	27.80	991	28.80	999	29.70	1007	30.70	1014	31.60	1022	32.50	1038	34.50	1053	36.40	1068	38.30	622	7.59
52216	3800	1027	31.40	1035	32.40	1042	33.30	1050	34.40	1058	35.40	1065	36.40	1072	37.30	1087	39.40	1101	41.30	1116	43.40	622	7.59
54964	4000	1080	36.40	1087	37.40	1094	38.40	1101	39.50	1109	40.60	1116	41.70	1123	42.70	1137	44.80	1150	46.80	1164	49.00	622	7.59
57712	4200	1132	41.80	1139	43.00	1146	44.10	1153	45.20	1160	46.30	1166	47.30	1173	48.50	1187	50.80	1200	52.90	1213	55.20	622	7.59
60460	4400	1185	47.90	1191	49.00	1198	50.20	1205	51.40	1212	52.70	1218	53.80	1224	54.80	1237	57.20	1250	59.50	1263	61.90	622	7.59
63209	4600	1238	54.60	1244	55.80	1250	56.90	1257	58.20	1263	59.40	1269	60.60	1275	61.80	1288	64.30	1300	66.70	1312	69.10	622	7.59
65957	4800	1290	61.70	1296	62.90	1302	64.20	1309	65.60	1315	66.90	1321	68.10	1327	69.40	1338	71.80	1350	74.40	1362	77.00	622	7.59
68705	5000	1343	69.50	1349	70.90	1355	72.20	1361	73.60	1367	74.90	1372	76.10	1378	77.50	1390	80.20	1401	82.80	1412	85.40	622	7.59
71453	5200	1396	78.00	1401	79.30	1407	80.70	1413	82.20	1419	83.60	1424	84.90	1430	86.40	1441	89.10	1452	91.90	1463	94.60	622	7.59

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP																
17863	1300	624	7.21																		
19237	1400	656	7.83																		
20612	1500	649	8.49	703	10.40																
21986	1600	664	9.24	715	11.20	765	13.30														
23360	1700	680	10.00	729	12.10	777	14.20	824	16.50												
24734	1800	697	10.90	744	13.00	790	15.20	835	17.60	878	19.90										
26108	1900	715	11.50	760	14.00	804	16.30	847	19.60	889	21.10	931	23.70								
27482	2000	733	12.80	777	15.10	819	17.40	861	19.90	902	22.40	942	25.00	981	27.70						
30230	2200	772	15.00	813	17.50	853	20.00	892	22.60	929	25.10	967	27.90	1004	30.70	1040	33.60	1076	36.60	1111	39.60
32978	2400	813	17.60	851	20.10	889	22.80	925	25.50	961	28.30	996	31.20	1031	34.10	1065	37.10	1098	40.20	1132	43.40
35727	2600	855	20.40	891	23.10	927	26.00	961	28.90	995	31.80	1028	34.80	1061	37.90	1093	41.00	1125	44.20	1156	47.40
38475	2800	899	23.60	933	26.50	966	29.50	999	32.60	1032	35.80	1063	38.90	1094	42.10	1125	45.40	1155	48.70	1184	52.00
41223	3000	943	27.10	976	30.20	1008	33.50	1039	36.70	1070	40.00	1100	43.30	1129	46.60	1158	50.00	1187	53.60	1216	57.20
43971	3200	989	31.00	1020	34.40	1050	37.70	1080	41.20	1109	44.60	1138	48.10	1166	51.60	1194	55.30	1221	58.80	1249	62.60
46719	3400	1035	35.30	1065	38.90	1094	42.50	1123	46.20	1150	49.70	1178	53.50	1205	57.20	1232	61.00	1258	64.70	1284	68.60
49468	3600	1082	40.10	1110	43.80	1139	47.80	1166	51.50	1193	55.40	1219	59.20	1245	63.10	1271	67.10	1296	71.00	1321	75.00
52216	3800	1129	45.30	1157	49.40	1184	53.40	1210	57.40	1236	61.40	1261	65.40	1286	69.50	1311	73.70	1335	77.80	1359	81.90
54964	4000	1177	51.00	1204	55.30	1230	59.60	1255	63.70	1280	68.00	1304	72.20	1328	76.40	1352	80.80	1375	85.00	1398	89.30
57712	4200	1226	57.40	1252	61.90	1276	66.20	1301	70.70	1324	75.00	1348	79.50	137							

SILENTVANE™

SIZE 3040 DOUBLE WIDTH DOUBLE INLET

MAXIMUM CLASS OPERATING RPM FAN TEMPERATURE

Wheel Diameter	40.25 inches	1022 mm
Wheel Circumference	10.54 feet	3.213 m
Inlet Diameter/Area	43.50 inches sq./20.62 sq. ft.	1105 mm/1.916 m ²
Outlet Size/Area	42.48 x 57.17 inches I.D./16.87 sq. ft.	1079 x 1452 mm/1.567 m ²
Tip Speed	10.54 x RPM ft./minute	3.211 x RPM m/minute
Maximum BHP	52.90 x (RPM ÷ 1000) ³ BHP	39.45 x (RPM ÷ 1000) ³ kW

SIZE 3040	-20° to 150°F	-29° to 66°C
CLASS I	963	
CLASS II	1255	
CLASS III	1582	
CLASS IV	—	

VOL CFM	OUT VEL	¼" SP		¾" SP		1" SP		1½" SP		2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP		
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
13464	800	253	0.86	278	1.13	301	1.41	325	1.72	348	2.05	369	2.37	399	3.06	446	4.26	488	5.59											
15147	900	272	1.07	295	1.37	316	1.66	337	1.98	359	2.34	379	2.68	399	3.06	446	4.71													
16830	1000	290	1.29	313	1.64	332	1.94	353	2.31	372	2.66	390	3.02	410	3.44	456														
18513	1100	311	1.57	332	1.95	351	2.31	369	2.67	388	3.07	406	3.47	422	3.85															
20196	1200	332	1.90	352	2.31	369	2.68	388	3.11	404	3.50	421	3.93	437	4.35	468	5.22	499	6.16	528	7.10									
21879	1300	354	2.28	372	2.71	389	3.13	406	3.57	422	4.00	437	4.43	452	4.87	483	5.84	511	6.77	539	7.77									
23562	1400	377	2.74	393	3.17	409	3.62	425	4.09	440	4.54	455	5.02	469	5.48	497	6.44	525	7.47	552	8.53									
25245	1500	399	3.22	414	3.68	430	4.18	445	4.67	459	5.15	473	5.64	487	6.15	514	7.18	540	8.23	565	9.30									
26928	1600	421	3.75	436	4.26	450	4.76	464	5.27	478	5.80	492	6.35	505	6.87	530	7.91	556	9.06	580	10.20									
28611	1700	443	4.34	458	4.91	472	5.46	485	5.99	498	6.53	511	7.09	524	7.67	548	8.77	572	9.93	596	11.10									
30294	1800	466	5.02	480	5.61	493	6.18	506	6.77	519	7.36	531	7.93	543	8.51	567	9.72	590	10.90	612	12.10									
31977	1900	489	5.78	502	6.38	515	7.01	527	7.60	539	8.21	551	8.83	563	9.46	585	10.70	607	11.90	629	13.20									
33660	2000	512	6.59	525	7.26	537	7.90	548	8.50	561	9.21	572	9.83	583	10.50	605	11.80	626	13.10	647	14.40									
37026	2200	558	8.46	570	9.19	581	9.89	592	10.60	603	11.30	614	12.00	624	12.70	644	14.10	664	15.60	684	17.10									
40392	2400	605	10.70	616	11.50	626	12.30	636	13.00	647	13.80	657	14.60	667	15.40	686	17.00	704	18.50	722	20.00									
43758	2600	652	13.30	662	14.20	672	15.00	682	15.90	691	16.70	700	17.50	709	18.30	727	20.00	745	21.70	762	23.40									
47124	2800	700	16.40	709	17.30	718	18.20	727	19.10	736	20.00	745	21.00	753	21.80	770	23.60	787	25.40	803	27.20									
50490	3000	747	19.90	756	20.90	764	21.80	773	22.80	781	23.80	789	24.70	797	25.60	814	27.70	829	29.50	845	31.50									
53856	3200	795	23.90	803	24.90	811	25.90	819	27.00	827	28.00	834	29.00	842	30.00	857	32.10	872	34.10	887	36.20									
57222	3400	842	28.30	850	29.40	857	30.50	865	31.60	873	32.80	880	33.80	888	35.00	902	37.10	916	39.30	930	41.50									
60588	3600	890	33.30	898	34.60	904	35.60	912	36.90	919	38.00	926	39.20	933	40.30	947	42.70	960	44.90	973	47.20									
63954	3800	938	38.90	945	40.20	952	41.40	959	42.70	966	44.00	972	45.10	979	46.40	992	48.80	1005	51.20	1018	53.70									
67320	4000	986	45.10	992	46.40	999	47.70	1006	49.10	1012	50.30	1018	51.50	1025	52.90	1037	55.40	1050	58.10	1062	60.60									
70686	4200	1034	52.00	1040	53.30	1046	54.60	1053	56.10	1059	57.40	1065	58.80	1071	60.10	1083	62.80	1095	65.60	1107	68.30									
74052	4400	1082	59.50	1088	60.90	1094	62.30	1100	63.80	1106	65.20	1112	66.70	1117	67.90	1129	70.80	1141	73.80	1152	76.60									
77418	4600	1130	67.70	1136	69.20	1142	70.80	1147	72.10	1153	73.70	1159	75.20	1164	76.60	1175	79.50	1187	82.70	1197	85.50									
80784	4800	1178	76.50	1184	78.20	1189	79.70	1195	81.40	1200	82.80	1205	84.30	1211	86.00	1222	89.10	1232	92.10	1243	95.30									
84150	5000	1227	86.50	1232	88.00	1237	89.60	1242	91.10	1248	92.90	1253	94.50	1258	96.10	1268	99.20	1279	103.00	1289	106.00									
87516	5200	1275	96.90	1280	98.60	1285	100.00	1290	102.00	1295	104.00	1300	105.00	1305	107.00	1315	110.00	1325	114.00	1335	117.00									

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP																
21879	1300	567	8.84																		
23562	1400	578	9.60																		
25245	1500	590	10.40	638	12.70																
26928	1600	604	11.40	650	13.80	695	16.30														
28611	1700	619	12.40	663	14.80	706	17.50	748	20.20												
30294	1800	634	13.40	677	16.00	718	18.70	758	21.50	798	24.40										
31977	1900	650	14.50	691	17.20	731	20.00	770	22.90	808	25.90	845	29.00								
33660	2000	667	15.80	707	18.60	745	21.40	783	24.40	819	27.40	855	30.60	891	33.90						
37026	2200	703	18.50	740	21.50	776	24.60	811	27.70	845	30.90	879	34.20	912	37.70	944	41.10	977	44.80		
40392	2400	740	21.60	775	24.80	809	28.10	842	31.40	874	34.80	906	38.30	937	41.90	968	45.60	998	49.30	1028	53.10
43758	2600	779	25.10	812	28.50	844	32.00	875	35.50	905	39.10	935	42.70	965	46.60	994	50.40	1023	54.30	1051	58.30
47124	2800	819	29.00	850	32.70	880	36.30	910	40.10	939	43.90	967	47.70	995	51.70	1023	55.70	1050	59.80	1077	63.90
50490	3000	860	33.40	889	37.30	918	41.20	947	45.30	974	49.20	1001	53.30	1028	57.50	1054	61.60	1080	65.90	1105	70.10
53856	3200	901	38.20	930	42.50	957	46.60	984	50.80	1010	54.90	1036	59.20	1062	63.70	1087	68.00	1112	72.50	1136	76.90
57222	3400	944	43.70	971	48.10	997	52.40	1023	56.90	1048	61.30	1073	65.90	1097	70.30	1121	74.90	1145	79.60	1169	84.40
60588	3600	987	49.60	1012	54.10	1038	58.90	1063	63.60	1087	68.30	1111									

3000 SERIES

SIZE 3045

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

DOUBLE WIDTH
DOUBLE INLET

SIZE 3045	-20° to 150°F -29° to 66°C
CLASS I	869
CLASS II	1134
CLASS III	1429
CLASS IV	—

Wheel Diameter	44.50 inches	1130 mm
Wheel Circumference	11.65 feet	3.551 m
Inlet Diameter/Area	47.75 inches sq./24.84 sq. ft.	1213 mm/2.308 m ²
Outlet Size/Area	46.98 x 63.04 inches I.D./20.57 sq. ft.	1193 x 1601 mm/1.911 m ²
Tip Speed	11.65 x RPM ft./minute	3.551 x RPM m/minute
Maximum BHP	87.64 x (RPM ÷ 1000) ³ BHP	65.35 x (RPM ÷ 1000) ³ kW

VOL CFM	OUT VEL	¼" SP		⅜" SP		½" SP		¾" SP		1" SP		1¼" SP		1½" SP		1¾" SP			
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP										
16430	800	228	1.04	251	1.38	272	1.71	294	2.10	314	2.48	333	2.87	361	3.74	403	5.19	442	6.85
18484	900	245	1.29	266	1.65	286	2.03	305	2.42	324	2.84	342	3.26	370	4.17	412	5.73	451	7.51
20538	1000	262	1.57	283	2.00	302	2.42	319	2.82	337	3.27	354	3.72	381	4.68	424	6.68	474	9.08
22592	1100	281	1.92	300	2.37	317	2.81	333	3.24	351	3.75	366	4.20	391	5.19	438	7.51	499	10.40
24646	1200	300	2.31	318	2.81	333	3.25	350	3.77	365	4.26	380	4.77	409	5.90	453	8.36	511	11.40
26699	1300	320	2.79	336	3.29	352	3.83	367	4.35	381	4.87	395	5.40	424	6.68	474	9.08	531	12.40
28753	1400	340	3.32	355	3.86	370	4.42	384	4.98	398	5.55	411	6.11	442	7.49	499	10.40	551	13.40
30807	1500	360	3.90	374	4.48	388	5.07	402	5.69	414	6.24	427	6.86	454	7.98	511	11.40	571	14.40
32861	1600	380	4.56	394	5.20	407	5.82	419	6.41	433	7.12	444	7.70	474	9.08	531	12.40	591	15.40
34915	1700	400	5.28	413	5.95	426	6.63	438	7.29	450	7.96	462	8.66	499	11.40	551	13.40	611	16.40
36968	1800	421	6.12	433	6.81	445	7.51	457	8.24	469	8.98	480	9.68	511	12.40	571	14.40	631	17.40
39022	1900	442	7.05	453	7.75	465	8.52	476	9.25	487	10.00	498	10.80	531	13.40	591	15.40	651	18.40
41076	2000	462	8.00	474	8.83	485	9.61	495	10.30	506	11.20	516	11.90	551	14.40	611	16.40	671	19.40
43130	2100	482	9.00	495	9.75	506	10.50	516	11.20	526	12.10	536	12.80	571	15.40	631	17.40	691	20.40
45184	2200	504	10.30	514	11.10	525	12.10	535	12.90	545	13.80	554	14.60	601	17.40	661	19.40	721	21.40
47238	2300	524	11.30	535	12.10	546	13.00	556	14.00	566	15.00	575	15.90	631	19.40	691	21.40	751	22.40
49292	2400	547	13.10	556	14.00	567	15.00	575	15.90	584	16.80	593	17.80	661	21.40	721	22.40	781	23.40
51346	2500	569	16.20	598	17.30	607	18.30	615	19.30	624	20.30	633	21.40	701	23.40	761	25.40	821	24.40
53399	2600	598	19.00	624	21.00	648	22.10	666	23.20	684	24.30	701	25.50	771	27.40	831	29.40	891	25.40
55453	2700	624	21.00	640	21.00	668	22.10	686	23.20	705	24.30	721	25.50	791	27.40	851	29.40	911	26.40
57506	2800	648	24.00	663	25.40	690	26.50	708	27.60	727	28.70	743	30.10	811	30.10	871	32.10	931	27.40
59560	2900	674	24.10	683	25.40	710	26.50	728	27.60	747	28.70	763	30.10	831	32.10	891	34.10	951	28.40
61614	3000	717	28.90	725	30.30	732	31.50	740	32.90	747	34.10	754	35.40	811	36.60	871	38.10	931	29.40
63668	3100	761	34.50	767	35.70	775	37.20	781	38.40	788	39.80	795	41.20	841	42.60	901	44.20	961	30.40
65722	3200	804	40.60	810	41.90	817	43.40	824	44.90	830	46.30	836	47.60	881	49.20	941	51.90	1001	31.40
67776	3300	847	47.40	853	48.80	859	50.30	865	51.70	872	53.40	878	54.90	921	56.40	981	59.40	1041	32.40
69830	3400	890	54.80	896	56.40	902	58.00	908	59.60	914	61.20	920	62.90	961	64.50	1021	67.50	1081	33.40
71884	3500	934	63.30	939	64.80	945	66.50	951	68.30	956	69.80	962	71.60	991	73.10	1051	76.40	1111	34.40
73938	3600	977	72.30	983	74.20	988	76.80	993	77.50	999	79.40	1004	81.10	1041	82.70	1091	86.30	1151	35.40
75992	3700	1020	82.20	1026	84.20	1031	86.00	1036	87.80	1041	89.60	1047	91.60	1081	93.10	1121	97.00	1181	36.40
78046	3800	1064	93.20	1069	95.10	1074	97.00	1079	98.90	1084	101.00	1089	103.00	1121	105.00	1171	109.00	1231	37.40
80100	3900	1107	105.00	1112	107.00	1117	109.00	1122	111.00	1127	113.00	1131	115.00	1161	117.00	1211	121.00	1281	38.40
82154	4000	1151	118.00	1156	120.00	1160	122.00	1165	124.00	1169	126.00	1174	128.00	1201	130.00	1241	134.00	1311	39.40

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP																
26699	1300	513	10.80																		
28753	1400	522	11.70																		
30807	1500	539	12.70	577	15.60																
32861	1600	546	13.80	588	16.80	628	19.90														
34915	1700	559	15.00	599	18.10	638	21.30	676	24.60												
36968	1800	573	16.30	612	19.50	649	22.80	685	26.20	722	29.90										
39022	1900	585	17.80	625	21.00	661	24.40	696	27.90	731	31.60	765	35.50								
41076	2000	603	19.20	639	22.60	674	26.20	708	29.80	741	33.50	774	37.50	805	41.30						
43130	2100	635	22.50	669	26.20	701	29.90	733	33.80	764	37.70	795	41.80	825	46.00	854	50.20	883	54.60		
45184	2200	669	26.40	700	30.20	731	34.20	761	38.30	790	42.40	819	46.70	847	51.10	875	55.60	902	60.10	929	64.70
47238	2300	704	30.60	734	34.80	763	39.10	791	43.40	818	47.60	845	52.10	872	56.70	898	61.30	925	66.30	950	71.10
49292	2400	740	35.40	768	39.80	795	44.30	822	48.90	848	53.50	874	58.20	900	63.10	925	68.00	949	72.90	974	76.10
51346	2500	776	40.60	804	45.50	830	50.30	855	55.10	880	60.00	905	65.00	929	70.00	953	75.20	976	80.30	999	85.50
53399	2600	815	46.70	840	51.70	865	56.80	889	61.80	913	67.00	936	72.20	959	77.40	982	82.80	1005	88.40	1027	93.90
55453	2700	853	53.30	877	58.50	901	63.90	924	69.30	947	74.80	969	80.10	992	85.90	1013	91.30	1035	97.10	1056	103.00
57506	2800	891	60.30	915	66.10	937	71.60	960	77.40	982	83.20	1003	88.80	1025	94.90	1046	101.00	1066	106.00	1087	113.00
59560	2900	931	68.40	953	74.30	975	80.30	996	86.10	1017	92.10	1038	98.30	1058	104.00	1079	111.00	1098	117.00	1118	123.00
61614	3000	970	76.90	992	83.30	1013	89.60	1034	96.00	1054	102.00	1074	109.00	1093	115.00	1113	121.00	1132	128.00	1151	134.00
63668	3100	1010	86.30	1031	93.00	1051	100.00	1071	106.00	1091	113.00	1110	119.00	1129	126.00	1147	133.00	1166	140.00	1184	146.00
65722	3200	1050	96.50	1070	103.00	1090	110.00	1109	117.00	1128	124.00	1147	131.00	1165	138.00	1183	145.00	1201	152.00	1218	159.00
67776	3300	1091	108.00	1110	115.00																

SILENTVANE™

SIZE 3049

DOUBLE WIDTH
DOUBLE INLET

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

Wheel Diameter	49.00 inches	1245 mm
Wheel Circumference	12.83 feet	3.911 m
Inlet Diameter/Area	52.50 inches sq./30.04 sq. ft.	1334 mm/2.791 m ²
Outlet Size/Area	51.67 x 69.79 inches I.D./25.04 sq. ft.	1312 x 1773 mm/2.326 m ²
Tip Speed	12.83 x RPM ft./minute	3.909 x RPM m/minute
Maximum BHP	142.0 x (RPM ÷ 1000) ³ BHP	105.9 x (RPM ÷ 1000) ³ kW

SIZE 3049	-20° to 150°F -29° to 66°C
CLASS I	793
CLASS II	1034
CLASS III	1303
CLASS IV	—

VOL CFM	OUT VEL	¼" SP		½" SP		¾" SP		1" SP		1½" SP		2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP									
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP								
20030	800	208	1.28	228	1.67	248	2.11	267	2.55	286	3.04	304	3.54	328	4.55	366	6.30	401	8.30	440	11.60	483	16.60	532	21.50	590	29.90	655	41.60	728	61.90	809	96.60	897	128.00	993	181.00	1100	250.00
22534	900	224	1.60	243	2.04	261	2.50	278	2.97	295	3.47	312	4.01	337	5.11	375	7.01	416	9.18	464	12.60	517	17.60	582	25.40	657	37.60	739	55.50	834	83.00	940	120.00	1065	175.00	1210	250.00	1385	350.00
25038	1000	239	1.93	258	2.45	274	2.92	291	3.46	307	4.01	321	4.50	347	5.73	401	8.30	440	11.60	483	16.60	532	21.50	590	29.90	655	41.60	728	61.90	809	96.60	897	128.00	993	181.00	1100	250.00	1210	320.00
27542	1100	256	2.35	274	2.93	289	3.44	304	3.99	319	4.56	334	5.18	360	6.30	401	8.30	440	11.60	483	16.60	532	21.50	590	29.90	655	41.60	728	61.90	809	96.60	897	128.00	993	181.00	1100	250.00	1210	320.00
30046	1200	274	2.85	290	3.45	304	4.00	319	4.63	333	5.24	346	5.83	360	6.50	385	7.77	410	9.15	434	11.10	453	12.60	477	15.01	510	20.00	560	29.90	620	41.60	700	61.90	800	96.60	900	128.00	1000	181.00
32549	1300	292	3.43	307	4.07	321	4.70	334	5.31	347	5.95	360	6.62	373	7.32	397	8.67	420	10.10	443	11.60	463	13.10	490	16.60	530	25.40	590	37.60	660	55.50	740	83.00	840	120.00	940	175.00	1060	250.00
35053	1400	310	4.06	324	4.75	337	5.41	350	6.10	362	6.76	374	7.45	386	8.16	410	9.67	432	11.10	453	12.60	477	15.01	510	20.00	560	29.90	620	41.60	700	61.90	800	96.60	900	128.00	1000	181.00		
37557	1500	328	4.78	341	5.49	354	6.23	366	6.95	378	7.69	390	8.46	401	9.18	423	10.70	444	12.20	465	13.90	488	16.60	518	21.50	560	37.60	630	55.50	720	83.00	830	120.00	950	175.00	1080	250.00		
40061	1600	347	5.62	359	6.36	371	7.13	382	7.86	394	8.68	405	9.46	416	10.30	437	11.90	457	13.50	477	15.01	490	16.60	504	18.01	518	20.00	540	29.90	610	41.60	700	61.90	800	96.60	900	128.00	1000	181.00
42565	1700	365	6.48	377	7.32	389	8.17	400	8.98	412	9.75	421	10.60	431	11.40	451	13.10	471	14.80	490	16.60	510	20.00	530	25.40	560	37.60	630	55.50	720	83.00	830	120.00	950	175.00	1080	250.00		
45068	1800	384	7.52	395	8.36	407	9.30	417	10.10	427	11.00	437	11.80	447	12.70	466	14.40	486	16.30	504	18.01	518	20.00	540	29.90	580	37.60	660	55.50	760	83.00	880	120.00	1020	181.00	1180	250.00		
47572	1900	403	8.64	414	9.57	424	10.50	434	11.30	444	12.30	454	13.20	463	14.10	482	16.00	500	17.80	518	20.00	540	29.90	580	37.60	660	55.50	760	83.00	880	120.00	1020	181.00	1180	250.00				
50076	2000	422	9.87	433	10.90	443	11.90	452	12.70	462	13.70	471	14.70	480	15.60	498	17.60	516	19.60	532	21.50	560	29.90	600	37.60	690	55.50	800	83.00	930	120.00	1080	181.00	1260	250.00				
55084	2200	460	12.70	470	13.70	479	14.80	488	15.90	497	16.90	506	18.00	514	19.00	531	21.20	547	23.30	563	25.40	590	29.90	630	37.60	730	55.50	860	83.00	1000	120.00	1180	181.00	1400	250.00				
60091	2400	499	16.10	508	17.30	516	18.40	525	19.60	533	20.70	541	21.80	549	23.00	565	25.30	580	27.60	595	29.90	630	37.60	680	55.50	800	83.00	940	120.00	1100	181.00	1300	250.00						
65099	2600	538	20.00	546	21.30	554	22.50	562	23.80	569	24.90	577	26.20	585	27.60	599	29.90	614	32.50	628	35.00	660	37.60	720	55.50	860	83.00	1020	120.00	1200	181.00	1440	250.00						
70106	2800	577	24.60	584	25.90	592	27.30	599	28.60	606	29.90	614	31.40	621	32.70	634	35.20	648	38.00	661	40.60	690	37.60	760	55.50	900	83.00	1080	120.00	1280	181.00	1560	250.00						
75114	3000	616	29.30	623	31.20	630	32.70	637	34.10	644	35.60	651	37.10	657	38.40	670	41.20	683	44.10	696	47.01	710	37.60	790	55.50	960	83.00	1160	120.00	1380	181.00	1680	250.00						
80122	3200	655	35.70	662	37.30	668	38.70	675	40.40	681	41.80	688	43.50	694	44.90	707	48.10	719	51.10	731	54.20	750	37.60	840	55.50	1020	83.00	1240	120.00	1500	181.00	1800	250.00						
85129	3400	694	42.40	701	44.10	707	45.70	713	47.30	719	48.90	725	50.50	731	52.20	743	55.50	755	58.80	766	61.90	790	37.60	890	55.50	1100	83.00	1340	120.00	1640	181.00	2000	250.00						
90137	3600	734	50.00	740	51.70	746	53.50	751	55.00	757	56.80	763	58.60	769	60.40	780	63.70	791	67.20	802	70.60	830	37.60	940	55.50	1160	83.00	1420	120.00	1740	181.00	2160	250.00						
95144	3800	773	58.20	779	60.20	784	61.80	790	63.80	796	65.70	801	67.40	807	69.40	817	72.80	828	76.60	839	80.40	870	37.60	1000	55.50	1240	83.00	1540	120.00	1860	181.00	2300	250.00						
100152	4000	813	67.60	818	69.50	823	71.30	829	73.40	834	75.30	840	77.40	845	79.30	855	83.00	865	86.80	875	90.60	910	37.60	1060	55.50	1300	83.00	1620	120.00	2000	181.00	2480	250.00						
105160	4200	853	78.00	857	79.70	863	82.00	868	84.00	873	86.00	878	88.00	883	90.10	893	94.10	903	98.30	912	102.00	950	37.60	1100	55.50	1360	83.00	1700	120.00	2160	181.00	2700	250.00						
110167	4400	892	89.10	897	91.20	902	93.40	907	95.60	912	97.70	916	100.00	921	102.00	931	106.00	940	110.00	949	114.00	990	37.60	1160	55.50	1400	83.00	1800	120.00	2300	181.00	2900	250.00						
115175	4600	932	101.00	936	103.00	941	106.00	946	108.00	950	110.00	955	112.00	960	115.00	969	119.00	978	124.00	987	128.00	1030	37.60	1200	55.50	1460	83.00	1900	120.00	2400	181.00	3100	250.00						
120182	4800	972	115.00	976	117.00	981	120.00	985	122.00	989	124.00	994	126.00	998	129.00	1007	133.00	1016	138.00	1025	143.00	1070	37.60	1240	55.50	1500	83.00	2000	120.00	2600	181.00	3400	250.00						
125190	5000	1011	129.00	1015	132.00	1020	134.00	1024	137.00	1029	139.00	1033	142.00	1037	144.00	1045	148.00	1054	154.00	1062	158.00	1110	37.60	1280	55.50	1540	83.00	2100	120.00	2800	181.00	3700	250.00						
130198	5200	1051	145.00	1055	148.00	1059	150.00	1064	153.00	1068	155.00	1072	158.00	1076	160.00	1084	165.00	1092	170.00	1100	175.00	1150	37.60	1320	55.50	1600	83.00	2200	120.00	3000	181.00	4000	250.00						

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM</													

3000 SERIES

SIZE 3054

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

DOUBLE WIDTH
DOUBLE INLET

SIZE 3054	-20° to 150°F -29° to 66°C
CLASS I	714
CLASS II	931
CLASS III	1173
CLASS IV	—

Wheel Diameter	54.25 inches	1378 mm
Wheel Circumference	14.20 feet	4.328 m
Inlet Diameter/Area	58.25 inches sq./36.98 sq. ft.	1480 mm/3.436 m ²
Outlet Size/Area	57.29 x 76.92 inches I.D./30.60 sq. ft.	1455 x 1954 mm/2.843 m ²
Tip Speed	14.20 x RPM ft./minute	4.328 x RPM m/minute
Maximum BHP	236.0 x (RPM ÷ 1000) ³ BHP	176.0 x (RPM ÷ 1000) ³ kW

VOL CFM	OUT VEL	¼" SP		⅜" SP		½" SP		¾" SP		1" SP		1½" SP		2" SP		3" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP								
24451	800	187	1.55	206	2.05	223	2.55	241	3.12	258	3.71	274	4.31				
27508	900	201	1.92	219	2.49	235	3.04	250	3.59	266	4.23	281	4.86				
30554	1000	213	2.30	232	2.96	248	3.60	262	4.20	276	4.84	290	5.52	304	6.24		
33620	1100	231	2.87	246	3.52	260	4.17	274	4.86	288	5.58	301	6.30	313	6.99	330	7.67
														338	8.53	362	10.01
36677	1200	246	3.43	261	4.19	274	4.88	287	5.60	300	6.37	312	7.11	324	7.88	348	9.54
39733	1300	263	4.17	276	4.92	289	5.70	301	6.47	313	7.27	325	8.10	336	8.89	358	10.60
42790	1400	279	4.93	292	5.78	303	6.54	315	7.40	326	8.22	337	9.07	348	9.95	369	11.70
45846	1500	296	5.84	307	6.67	319	7.59	330	8.48	340	9.31	351	10.30	361	11.10	381	13.00
48902	1600	312	6.80	323	7.71	334	8.66	344	9.55	355	10.60	365	11.50	375	12.50	394	14.50
51959	1700	328	7.83	340	8.94	350	9.90	360	10.90	369	11.80	379	12.90	389	14.00	407	16.00
55015	1800	346	9.15	356	10.20	366	11.30	375	12.20	385	13.40	394	14.40	403	15.50	420	17.60
58072	1900	363	10.50	373	11.60	382	12.70	391	13.80	400	14.90	409	16.10	418	17.20	434	19.40
61128	2000	380	12.00	389	13.10	398	14.30	407	15.50	416	16.70	424	17.80	432	18.90	449	21.40
67241	2200	414	15.40	423	16.70	431	18.00	439	19.20	447	20.50	455	21.80	463	23.10	478	25.70
73354	2400	449	19.50	457	20.90	465	22.30	472	23.70	480	25.10	487	26.50	494	27.90	508	30.60
79466	2600	484	24.30	491	25.70	499	27.40	506	28.90	512	30.20	519	31.80	526	33.30	540	36.50
85579	2800	519	29.80	526	31.50	533	33.10	539	34.70	546	36.40	552	37.90	559	39.70	571	42.80
91692	3000	554	36.10	561	38.00	567	39.60	573	41.30	579	43.10	585	44.80	592	46.80	603	50.00
97805	3200	589	43.20	595	45.10	601	46.90	607	48.80	613	50.70	619	52.70	625	54.60	636	58.30
103918	3400	625	51.50	630	53.30	636	55.40	642	57.50	647	59.30	653	61.40	658	63.30	669	67.40
110030	3600	660	60.40	665	62.50	671	64.80	676	66.80	682	69.10	687	71.10	692	73.20	702	77.40
116143	3800	696	70.70	701	72.90	706	75.10	711	77.40	716	79.60	721	81.80	726	84.10	736	88.60
122256	4000	731	81.80	736	84.20	741	86.60	746	89.00	751	91.50	755	93.50	760	96.00	769	101.00
128369	4200	767	94.40	771	96.60	776	99.20	781	102.00	786	104.00	790	107.00	795	109.00	804	114.00
134482	4400	802	108.00	807	111.00	811	113.00	816	116.00	820	118.00	825	121.00	829	124.00	838	129.00
140594	4600	838	123.00	843	126.00	847	128.00	851	131.00	855	134.00	859	136.00	864	139.00	872	145.00
146707	4800	874	139.00	878	142.00	882	145.00	886	147.00	890	150.00	894	153.00	898	156.00	906	162.00
152820	5000	909	156.00	914	160.00	918	163.00	922	167.00	925	168.00	929	171.00	933	174.00	941	180.00
158933	5200	945	176.00	949	179.00	953	182.00	957	185.00	961	188.00	964	191.00	968	194.00	976	201.00

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP																
39733	1300	421	16.01																		
42790	1400	429	17.50	466	21.50																
45846	1500	438	19.00	474	23.20																
48902	1600	448	20.60	482	24.90	516	29.70														
51959	1700	459	22.40	492	27.00	524	31.70	555	36.70												
55015	1800	470	24.30	502	29.00	533	34.00	563	39.70	592	44.40										
58072	1900	482	26.30	513	31.30	542	36.20	571	41.50	599	46.90	627	52.60								
61128	2000	495	28.70	524	33.60	553	38.90	581	44.40	608	49.90	635	55.70	661	61.60						
67241	2200	521	33.50	549	39.00	576	44.70	601	50.10	627	56.10	652	62.20	676	68.20	701	74.80	725	81.40		
73354	2400	549	39.20	575	45.10	600	51.00	624	56.90	648	63.10	672	69.50	695	76.00	718	82.70	740	89.40	762	96.20
79466	2600	578	45.60	602	51.70	625	58.10	649	64.50	672	71.10	694	77.70	716	84.60	737	91.30	759	98.70	780	106.00
85579	2800	607	52.60	631	59.50	653	66.00	675	72.90	696	79.60	717	86.60	738	93.80	759	101.00	779	108.00	799	116.00
91692	3000	638	60.70	660	67.80	681	74.80	702	82.10	723	89.50	743	96.90	762	104.00	782	112.00	801	119.00	820	127.00
97805	3200	669	69.60	690	77.10	710	84.60	730	92.20	750	100.00	769	108.00	787	115.00	806	123.00	825	132.00	843	140.00
103918	3400	700	79.20	720	87.20	739	95.00	759	103.00	777	111.00	796	120.00	814	128.00	832	136.00	849	144.00	867	153.00
110030	3600	732	90.10	751	98.40	770	107.00	788	115.00	806	124.00	824	133.00	841	141.00	858	150.00	875	159.00	892	168.00
116143	3800	764	102.00	782	110.00	800	119.00	818	128.00	835	137.00	852	146.00	869	156.00	886	165.00	902	174.00	918	183.00
122256	4000	797	115.00	814	124.00	832	134.00	848	143.00	865	152.00	882	162.00	898	171.00	913	180.00	929	190.00	945	200.00
128369	4200	830	129.00	847	139.00	863	148.00	879	158.00	895	168.00	911	178.00	927	188.00	942	198.00	957	208.00	972	218.00
134482	4400	863	144.00	879	154.00	895	165.00	911	175.00	926	185.00	942	196.00	956	206.00	971	216.00	986	227.00	1001	238.00
140594	4600	896	161.00	912	172.00	927	182.00	942	193.00	957	203.00	972	214.00	986	225.00	1001	236.00	1015	247.00	1029	258.00
146707	4800	929	178.00	945	190.00	960	201.00	974	212.00	989	224.00	1003	235.00	1017	246.00	1031	257.00	1045	269.00	1058	280.00
152820	5000	963	198.00	978	210.00	992	221.00	1007	233.00	1021	245.00	1035	257.00	1048	268.00	1062	280.00	1075	292.00	1088	303.00
158933	5200	997	218.00	1011	231.00	1025	243.00	1039	255.00	1053	267.00	1066	279.00	1079	291.00	1092	303.00	1105	316.00	1118	328.00

VOL CFM	OUT VEL	7" SP		8" SP		9" SP		10" SP		11" SP		12" SP		13" SP		14" SP		15" SP		16" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
73354	2400	785																			

SILENTVANE™

SIZE 3060

DOUBLE WIDTH
DOUBLE INLET

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

Wheel Diameter	60.00 inches	1524 mm
Wheel Circumference	15.71 feet	4.785 m
Inlet Diameter/Area	64.0 inches sq./44.64 sq. ft.	1626 mm/4.147 m ²
Outlet Size/Area	63.29 x 84.92 inches I.D./37.33 sq. ft.	1608 x 2157 mm/3.468 m ²
Tip Speed	15.71 x RPM ft./minute	4.785 x RPM m/minute
Maximum BHP	389.9 x (RPM ÷ 1000) ³ BHP	290.8 x (RPM ÷ 1000) ³ kW

SIZE 3060	-20° to 150°F	-29° to 66°C
CLASS I	644	
CLASS II	840	
CLASS III	1059	
CLASS IV	—	

VOL CFM	OUT VEL	¼" SP		¾" SP		1" SP		1½" SP		2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP			
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP		
29822	800	169	1.89	186	2.50	201	3.08	218	3.82	233	4.52	247	5.22	267	6.73	275	7.63	299	9.43	327	12.40										
33550	900	182	2.36	197	2.99	212	3.69	226	4.39	240	5.13	254	5.94	267	6.73	275	7.63	299	9.43	327	12.40										
37278	1000	194	2.84	210	3.63	223	4.33	237	5.15	250	5.96	262	6.72	282	8.45	290	9.43	314	11.60	334	13.60	354	15.70								
41006	1100	208	3.47	222	4.28	235	5.09	247	5.89	260	6.80	271	7.60	282	8.45	290	9.43	314	11.60	334	13.60	354	15.70								
44734	1200	222	4.18	235	5.06	247	5.91	259	6.81	271	7.77	282	8.68	293	9.64	303	10.50	314	11.60	324	12.40	334	13.60	344	14.90	354	15.70				
48461	1300	237	5.04	249	5.98	261	6.95	272	7.90	282	8.79	293	9.62	303	10.50	314	11.60	324	12.40	334	13.60	344	14.90	354	15.70						
52189	1400	252	6.01	263	6.99	274	8.01	285	9.07	295	10.10	305	11.10	314	12.10	324	13.10	334	14.10	344	15.10	354	16.10	364	17.10	374	18.10	384	19.10	394	20.10
55917	1500	267	7.10	277	8.11	288	9.25	298	10.30	307	11.30	317	12.50	326	13.60	334	14.60	344	15.60	354	16.60	364	17.60	374	18.60	384	19.60	394	20.60	404	21.60
59645	1600	282	8.30	292	9.43	301	10.50	311	11.70	320	12.80	329	14.00	338	15.20	347	16.40	356	17.60	365	18.80	374	20.00	383	21.20	392	22.40	401	23.60	410	24.80
63373	1700	297	9.63	306	10.80	316	12.10	325	13.30	334	14.50	342	15.70	351	17.00	360	18.20	369	19.40	378	20.60	387	21.80	396	23.00	405	24.20	414	25.40	423	26.80
67100	1800	312	11.10	321	12.40	330	13.70	339	15.00	347	16.20	355	17.50	364	18.90	372	20.30	380	21.60	389	22.90	397	24.10	405	25.40	413	26.80	421	28.20	429	29.60
70828	1900	327	12.70	336	14.10	345	15.50	353	16.80	361	18.20	369	19.50	377	20.90	385	22.40	392	23.60	400	24.90	407	26.50	414	28.00	421	29.60	428	31.20	435	32.40
74556	2000	342	14.50	351	16.00	359	17.40	367	18.80	375	20.20	383	21.50	390	23.10	397	24.50	404	26.00	411	27.40	418	28.90	425	30.40	432	31.80	439	33.20	446	34.60
82012	2200	373	16.50	381	18.00	389	21.90	396	23.40	403	24.90	411	26.60	418	28.20	425	30.00	432	31.60	439	32.10	446	33.90	453	35.40	460	36.80	467	38.20	474	39.60
89467	2400	405	23.70	412	25.40	419	27.10	426	28.80	433	30.60	439	32.10	446	33.90	453	35.40	460	36.80	467	38.20	474	40.60	481	42.40	488	44.20	495	45.80	502	47.40
96923	2600	436	29.40	443	31.30	449	33.00	456	35.00	462	36.80	468	38.60	475	40.60	481	42.40	488	44.20	495	45.80	502	47.40	509	49.20	516	50.80	523	52.40	530	54.20
104378	2800	468	36.10	474	38.10	480	40.00	486	42.10	492	44.00	498	46.10	504	48.10	510	50.00	516	52.00	522	54.00	528	56.00	534	58.00	540	60.00	546	62.00	552	64.00
111834	3000	499	43.60	505	45.80	511	48.00	517	50.30	522	52.20	528	54.50	533	56.50	544	58.60	554	60.80	564	63.00	574	65.40	584	67.80	594	70.20	604	72.60	614	74.60
119290	3200	531	52.40	537	54.80	542	57.00	548	59.50	553	61.70	558	63.90	563	66.10	574	68.60	584	71.00	594	73.40	604	75.80	614	78.60	624	81.40	634	84.00	644	86.60
126745	3400	563	62.30	568	64.60	574	67.40	579	69.80	584	72.20	589	74.70	594	77.10	603	79.60	613	81.70	623	83.80	633	86.00	643	88.40	653	90.80	663	93.20	673	95.60
134201	3600	595	73.30	600	75.90	605	78.60	610	81.20	615	83.90	620	86.60	624	88.90	633	91.00	642	93.00	651	95.00	660	97.00	669	99.00	678	101.00	687	103.00	696	105.00
141656	3800	627	85.60	632	88.50	636	90.90	641	93.80	646	96.30	650	99.30	655	102.00	664	104.00	672	106.00	680	108.00	688	110.00	696	112.00	704	114.00	712	116.00	720	118.00
149112	4000	659	99.20	664	102.00	668	105.00	672	108.00	677	111.00	681	114.00	686	117.00	694	120.00	702	122.00	710	124.00	718	126.00	725	128.00	732	130.00	740	132.00	748	134.00
156568	4200	691	114.00	696	118.00	700	121.00	704	123.00	708	126.00	712	129.00	717	133.00	725	136.00	732	139.00	740	142.00	748	145.00	755	148.00	763	150.00	771	152.00	779	154.00
164023	4400	724	131.00	728	134.00	732	137.00	736	141.00	740	144.00	743	146.00	748	150.00	755	156.00	763	162.00	771	168.00	779	174.00	786	179.00	794	184.00	802	189.00	810	194.00
171479	4600	756	149.00	760	153.00	764	156.00	767	159.00	771	162.00	775	166.00	779	169.00	786	175.00	794	180.00	802	184.00	810	189.00	817	194.00	824	199.00	831	204.00	838	209.00
178934	4800	788	169.00	792	172.00	795	175.00	799	179.00	803	183.00	806	186.00	810	189.00	817	194.00	824	199.00	831	204.00	838	209.00	844	212.00	851	216.00	858	220.00	865	224.00
186390	5000	820	190.00	824	194.00	827	197.00	831	201.00	834	204.00	838	208.00	842	212.00	848	219.00	855	226.00	862	233.00	869	240.00	876	247.00	883	254.00	890	261.00	897	268.00
193846	5200	852	213.00	856	217.00	859	220.00	863	225.00	866	228.00	869	231.00	873	236.00	880	244.00	886	250.00	893	258.00	899	265.00	906	272.00	913	279.00	920	286.00	927	293.00

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
48461	1300	380	19.60																		
52189	1400	387	21.20																		
55917	1500	395	23.00	428	28.30																
59645	1600	405	25.20	436	30.50	466	36.10														
63373	1700	414	27.20	444	32.80	473	38.60	501	44.60												
67100	1800	425	29.70	453	35.30	481	41.30	508	47.50	535	54.20										
70828	1900	436	32.30	463	38.10	490	44.30	516	50.60	542	57.40	567	64.30								
74556	2000	447	34.90	473	40.90	499	47.30	525	54.10	549	60.70	574	68.00	597	75.10						
82012	2200	471	41.00	496	47.60	520	54.40	543	61.10	566	68.30	589	75.80	611							

3000 SERIES

SIZE 3066

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

DOUBLE WIDTH
DOUBLE INLET

SIZE 3066	-20° to 150°F	-29° to 66°C
CLASS I	589	
CLASS II	768	
CLASS III	968	
CLASS IV	—	

Wheel Diameter	66.00 inches	1676 mm
Wheel Circumference	17.28 feet	5.267 m
Inlet Diameter/Area	70.0 inches sq./53.40 sq. ft.	1778 mm/4.961 m ²
Outlet Size/Area	69.60 x 94.17 inches I.D./45.52 sq. ft.	1768 x 2392 mm/4.229 m ²
Tip Speed	17.28 x RPM ft./minute	5.264 x RPM m/minute
Maximum BHP	589.4 x (RPM ÷ 1000) ³ BHP	439.5 x (RPM ÷ 1000) ³ kW

VOL CFM	OUT VEL	¼" SP		½" SP		¾" SP		1" SP		1½" SP		2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP		
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
36399	800	155	2.35	170	3.07	184	3.81	198	4.62	212	5.50	226	6.48	240	7.46	254	8.44	268	9.42	282	10.40	296	11.38	310	12.36	324	13.34	338	14.32	352	15.30	366
40949	900	166	2.88	180	3.68	194	4.55	207	5.43	219	6.30	231	7.22	244	8.30	257	9.28	270	10.24	282	11.20	295	12.16	308	13.12	321	14.08	334	15.04	347	16.00	360
45499	1000	177	3.47	191	4.40	203	5.27	216	6.28	228	7.28	239	8.24	250	9.26	261	10.24	272	11.20	282	12.16	293	13.12	304	14.08	314	15.04	325	16.00	335	17.00	346
50049	1100	190	4.25	203	5.27	215	6.28	226	7.26	237	8.30	248	9.40	258	10.40	268	11.40	278	12.40	288	13.40	298	14.40	308	15.40	318	16.40	328	17.40	338	18.40	348
54599	1200	203	5.14	216	6.32	226	7.29	237	8.41	247	9.48	257	10.60	267	11.80	277	12.80	287	13.80	297	14.80	307	15.80	317	16.80	327	17.80	337	18.80	347	19.80	357
59149	1300	217	6.23	228	7.38	238	8.49	248	9.64	258	10.80	267	12.00	277	13.30	286	14.40	295	15.60	304	16.80	313	18.00	322	19.20	331	20.40	340	21.60	349	22.80	358
63699	1400	231	7.46	241	8.66	250	9.79	260	11.10	269	12.30	278	13.60	287	14.90	304	17.50	321	20.30	337	23.10	354	25.90	371	28.70	388	31.50	395	34.90	412	48.30	429
68249	1500	244	8.72	254	10.10	263	11.30	272	12.60	281	14.00	289	15.30	298	16.70	314	19.40	330	22.30	345	25.10	361	28.00	377	30.70	393	33.40	409	36.70	425	50.50	442
72798	1600	258	10.20	267	11.60	276	13.00	285	14.50	293	15.80	301	17.20	309	18.70	325	21.60	340	24.60	355	27.70	370	30.60	385	33.50	399	36.40	418	44.40	447	61.40	460
77348	1700	272	11.90	280	13.30	289	14.80	297	16.30	305	17.80	313	19.30	320	20.70	336	24.00	350	27.00	364	30.10	378	33.00	392	35.90	406	42.80	434	55.80	462	84.30	475
81898	1800	286	13.80	294	15.30	302	16.80	310	18.40	318	20.10	325	21.60	332	23.10	347	26.40	361	29.70	374	32.90	390	35.80	407	42.70	435	55.60	463	77.20	490	118.20	501
86448	1900	300	15.80	308	17.50	316	19.20	323	20.70	330	22.30	338	24.10	345	25.80	358	29.00	372	32.50	385	36.00	398	42.40	441	55.40	466	77.00	497	118.00	508	159.00	519
90998	2000	314	18.00	321	19.70	329	21.50	336	23.20	343	24.90	350	26.70	357	28.50	370	31.90	383	35.50	396	39.20	409	47.60	422	61.00	445	83.00	471	118.00	501	189.00	512
100098	2200	342	23.10	349	25.00	356	27.00	363	29.00	369	30.70	376	32.80	382	34.60	395	38.60	407	42.50	418	46.20	431	55.00	454	77.40	481	118.00	504	189.00	515	230.00	523
109198	2400	371	29.30	378	31.50	384	33.50	390	35.60	396	37.60	402	39.70	408	41.80	419	45.80	431	50.20	442	54.40	455	67.00	482	100.00	507	159.00	517	230.00	524	291.00	534
118297	2600	400	36.50	406	38.80	412	41.10	418	43.40	423	45.40	429	47.80	435	50.20	445	54.40	456	59.10	467	63.90	479	81.00	510	159.00	520	230.00	530	291.00	541	342.00	550
127397	2800	429	44.80	435	47.40	440	49.70	445	51.90	451	54.60	456	56.90	461	59.30	472	64.40	482	69.30	491	73.80	504	95.00	535	159.00	546	230.00	556	291.00	567	342.00	576
136497	3000	458	54.30	463	56.90	469	59.80	474	62.40	479	64.90	484	67.60	489	70.20	498	75.10	508	80.50	517	85.60	530	100.00	561	159.00	572	230.00	582	291.00	593	342.00	604
145597	3200	487	65.10	492	67.90	497	70.70	502	73.60	507	76.50	511	78.90	516	81.90	525	87.30	534	92.80	543	98.40	556	118.00	587	159.00	598	230.00	609	291.00	620	342.00	631
154697	3400	516	77.20	521	80.30	526	83.40	530	86.50	535	89.30	539	92.00	544	95.30	552	101.00	561	107.00	570	113.00	583	138.00	614	159.00	625	230.00	636	291.00	647	342.00	658
163796	3600	546	91.20	550	94.20	554	97.10	559	101.00	563	104.00	568	107.00	572	110.00	580	116.00	588	122.00	596	128.00	604	144.00	635	159.00	646	230.00	657	291.00	668	342.00	679
172896	3800	575	106.00	579	110.00	583	113.00	588	117.00	592	120.00	596	123.00	600	126.00	608	133.00	616	140.00	623	146.00	631	168.00	662	159.00	673	230.00	684	291.00	695	342.00	706
181996	4000	604	123.00	609	127.00	612	130.00	616	134.00	620	137.00	624	141.00	628	144.00	636	151.00	643	158.00	650	165.00	658	186.00	689	159.00	700	230.00	711	291.00	722	342.00	733
191096	4200	634	142.00	638	146.00	641	149.00	645	153.00	649	157.00	653	161.00	656	164.00	664	172.00	671	179.00	678	186.00	686	216.00	717	159.00	728	230.00	739	291.00	750	342.00	761
200196	4400	663	162.00	667	166.00	671	170.00	674	174.00	678	178.00	681	181.00	685	186.00	692	193.00	699	201.00	706	209.00	714	230.00	745	159.00	756	230.00	767	291.00	778	342.00	789
209295	4600	693	185.00	696	189.00	700	193.00	703	197.00	707	201.00	710	205.00	714	210.00	720	217.00	727	225.00	734	234.00	742	264.00	773	159.00	784	230.00	795	291.00	806	342.00	817
218395	4800	722	209.00	726	214.00	729	218.00	732	222.00	736	226.00	739	230.00	742	234.00	749	243.00	756	251.00	761	259.00	769	291.00	799	159.00	810	230.00	821	291.00	832	342.00	843
227495	5000	752	236.00	755	240.00	758	244.00	761	248.00	765	254.00	768	258.00	771	262.00	777	271.00	784	280.00	790	289.00	798	330.00	827	159.00	838	230.00	849	291.00	860	342.00	871
236595	5200	781	264.00	785	270.00	788	274.00	791	279.00	794	283.00	797	288.00	800	292.00	806	301.00	812	310.00	818	319.00	826	360.00	855	159.00	866	230.00	877	291.00	888	342.00	899

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP															
		RPM	BHP	RPM	BHP																														
59149	1300	346	23.90	384	32.10	424	44.00	466	58.20	478	65.90	500	74.10	516	78.40	522	82.70	544	91.80	564	101.00	584	110.00	604	119.00	624	128.00	644	137.00	664	146.00	684	155.00		
63699	1400	353	26.00	390	34.50	430	46.00	452	58.00	464	65.00	484	70.20	500	74.10	516	78.40	522	82.70	544	91.80	564	101.00	584	110.00	604	119.00	624	128.00	644	137.00	664	146.00	684	155.00
68249	1500	360	28.10	397	37.20	437	49.00	469	61.00	481	68.00	501	74.10	517	78.50	523																			

SILENTVANE™

SIZE 3073 DOUBLE WIDTH DOUBLE INLET

MAXIMUM CLASS OPERATING RPM FAN TEMPERATURE

Wheel Diameter	73.00 inches	1854 mm
Wheel Circumference	19.11 feet	5.822 m
Inlet Diameter/Area	82.0 inches sq./73.34 sq. ft.	2082 mm/6.813 m ²
Outlet Size/Area	76.98 x 103.86 inches I.D./55.52 sq. ft.	1955 x 2638 mm/5.158 m ²
Tip Speed	19.11 x RPM ft./minute	5.822 x RPM m/minute
Maximum BHP	1041.0 x (RPM ÷ 1000) ³ BHP	776.3 x (RPM ÷ 1000) ³ kW

SIZE 3073	-20° to 150°F	-29° to 66°C
CLASS I	532	
CLASS II	693	
CLASS III	874	
CLASS IV	—	

VOL CFM	OUT VEL	¾" SP		1" SP		1¼" SP		1½" SP		1¾" SP											
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP												
44399	800	139	2.81	153	3.71	166	4.63	179	5.64	192	6.75	204	7.86	220	10.10	246	14.00	269	18.40	291	23.40
49949	900	150	3.52	163	4.52	175	5.53	186	6.52	198	7.69	216	10.10	226	11.30	251	15.00	275	21.40	304	28.00
55499	1000	160	4.24	173	5.42	184	6.50	195	7.65	206	8.88	224	11.50	233	12.70	259	18.10	283	23.50	298	31.2
61049	1100	172	5.23	183	6.39	194	7.64	204	8.84	214	10.10	231	13.00	239	14.20	263	20.30	283	23.50	302	30.70
66599	1200	184	6.34	194	7.58	204	8.88	214	10.20	223	11.50	232	12.90	241	14.30	258	17.20	275	20.20	291	23.40
72149	1300	196	7.60	206	9.02	215	10.40	224	11.80	233	13.20	242	14.80	250	16.20	266	19.10	282	22.40	297	25.50
77699	1400	208	9.01	217	10.50	226	12.00	235	13.80	243	15.00	251	16.50	259	18.10	275	21.40	290	24.70	304	28.00
83249	1500	220	10.60	229	12.20	237	13.70	246	15.50	253	16.90	261	18.60	269	20.30	283	23.50	298	27.20	312	30.70
88798	1600	232	12.30	241	14.10	249	15.80	256	17.40	264	19.20	272	21.00	279	22.70	293	26.20	307	30.00	320	33.60
94348	1700	245	14.40	253	16.20	261	18.10	268	19.80	275	21.60	282	23.40	289	25.20	303	29.10	316	32.60	329	36.80
99898	1800	258	16.70	265	18.50	272	20.40	280	22.50	286	24.20	293	26.10	300	28.20	313	32.10	326	36.20	338	40.10
105448	1900	270	19.10	278	21.30	285	23.20	291	25.10	298	27.20	304	29.10	311	31.30	323	35.20	336	39.70	347	43.60
110998	2000	283	21.90	290	24.00	297	26.20	303	28.20	310	30.50	316	32.50	322	34.60	334	38.90	346	43.30	357	47.60
122098	2200	309	28.20	315	30.40	321	32.70	327	35.00	333	37.40	339	39.80	345	42.20	356	46.80	367	51.60	378	56.50
133198	2400	334	35.40	340	38.00	346	40.60	352	43.30	357	45.60	363	48.40	368	50.80	379	56.10	389	61.10	399	66.30
144297	2600	361	44.40	366	47.00	371	49.70	377	52.70	382	55.40	387	58.10	392	60.80	402	66.40	411	71.60	421	77.50
155397	2800	387	54.40	392	57.40	397	60.40	402	63.40	407	66.50	411	69.00	416	72.10	425	77.90	435	84.30	443	89.70
166497	3000	413	65.90	418	69.30	422	72.10	427	75.50	431	78.30	436	81.80	440	84.60	450	91.70	458	97.70	466	104.00
177597	3200	439	78.90	444	82.60	448	85.80	452	88.90	457	92.70	461	96.00	465	99.20	474	106.00	482	113.00	490	120.00
188697	3400	466	94.10	470	97.60	474	101.00	478	105.00	482	108.00	486	112.00	490	115.00	498	123.00	506	130.00	514	137.00
199796	3600	492	111.00	496	114.00	500	118.00	504	122.00	508	126.00	512	130.00	515	133.00	523	141.00	531	149.00	538	156.00
210896	3800	518	129.00	522	133.00	526	137.00	530	141.00	533	145.00	537	149.00	541	153.00	548	161.00	555	169.00	562	177.00
221996	4000	545	150.00	549	154.00	552	158.00	556	163.00	559	166.00	563	171.00	566	175.00	573	183.00	580	192.00	587	201.00
233096	4200	571	172.00	575	177.00	578	181.00	582	186.00	585	190.00	588	194.00	592	199.00	599	209.00	605	217.00	612	226.00
244196	4400	598	197.00	601	201.00	605	207.00	608	211.00	611	216.00	614	220.00	618	226.00	624	235.00	630	244.00	637	254.00
255295	4600	625	225.00	628	229.00	631	234.00	634	239.00	637	244.00	640	249.00	644	255.00	650	264.00	655	273.00	662	284.00
266395	4800	651	254.00	654	259.00	657	264.00	660	269.00	663	274.00	666	279.00	669	284.00	675	295.00	681	303.00	687	316.00
277495	5000	678	286.00	681	292.00	684	297.00	687	303.00	690	308.00	692	312.00	695	318.00	701	329.00	706	339.00	712	350.00
288595	5200	704	320.00	707	326.00	710	332.00	713	338.00	716	344.00	718	348.00	721	354.00	727	366.00	732	376.00	738	388.00

VOL CFM	OUT VEL	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
72149	1300	313	29.20																		
77699	1400	319	31.70	347	39.20																
83249	1500	326	34.50	352	42.00																
88798	1600	333	37.40	359	45.50	383	53.60														
94348	1700	341	40.60	366	49.00	390	57.80	413	66.80												
99898	1800	350	44.20	373	52.60	396	61.50	418	70.70	440	80.50										
105448	1900	359	48.00	382	57.00	403	65.80	425	75.60	446	85.50										
110998	2000	369	52.40	390	61.20	411	70.50	432	80.50	452	90.50	466	95.40	491	112.00						
122098	2200	388	61.10	408	70.70	428	80.90	447	91.00	466	102.00	485	113.00	503	124.00	521	136.00	539	148.00	567	175.00
133198	2400	409	71.50	428	82.00	447	93.00	465	104.00	482	115.00	500	126.00	517	138.00	534	150.00	551	163.00	579	201.00
144297	2600	430	82.90	448	94.10	466	106.00	483	117.00	500	129.00	516	141.00	533	154.00	549	167.00	564	179.00	580	192.00
155397	2800	452	95.80	469	108.00	486	120.00	502	132.00	518	145.00	534	158.00	549	170.00	565	184.00	579	197.00	594	211.00
166497	3000	475	111.00	491	123.00	507	136.00	523	150.00	538	163.00	553	176.00	567	189.00	582	204.00	596	217.00	610	231.00
177597	3200	498	127.00	513	140.00	528	153.00	543	167.00	558	182.00	572	196.00	586	210.00	600	225.00	614	240.00	627	254.00
188697	3400	521	144.00	536	159.00	551	174.00	565	188.00	579	203.00	592	217.00	606	233.00	619	248.00	632	263.00	645	275.00
199796	3600	545	164.00	559	179.00	573	194.00	587	210.00	600	225.00	613	241.00	626	257.00	639	273.00	651	288.00	664	305.00
210896	3800	569	185.00	583	202.00	596	218.00	609	234.00	622	250.00	635	267.00	647	283.00	659	299.00	671	316.00	683	333.00
221996	4000	593	209.00	607	227.00	619	243.00	632	260.00	644	277.00	656	294.00	668	311.00	680	329.00	692	347.00	703	364.00
233096	4200	618	235.00	630	252.00	643	271.00	655	288.00	667	306.00	679	325.00	690	342.00	702	361.00	713	379.00	724	397.00
244196	4400	643	263.00	655	282.00	667	301.00	678	318.00	690	338.00	701	356.00	712	375.00	723	394.00	734	413.00	745	432.00
255295	4600	667	292.00	679	312.00	691	333.00	702	352.00</												

3000 SERIES

MAXIMUM CLASS OPERATING RPM
FAN TEMPERATURE

DOUBLE WIDTH
DOUBLE INLET

SIZE 3081

SIZE 3081	-20° to 150°F	-29° to 66°C
CLASS I	479	
CLASS II	625	
CLASS III	—	
CLASS IV	—	

Wheel Diameter	80.75 inches	2051 mm
Wheel Circumference	21.14 feet	6.443 m
Inlet Diameter/Area	89.75 inches sq./87.20 sq. ft.	2280 mm/8.101 m ²
Outlet Size/Area	85.11 x 114.48 inches I.D./67.67 sq. ft.	2162 x 2908 mm/6.287 m ²
Tip Speed	21.14 x RPM ft./minute	6.440 x RPM m/minute
Maximum BHP	1733.0 x (RPM ÷ 1000) ³ BHP	1292. x (RPM ÷ 1000) ³ kW

VOL	OUT	¼" SP		⅜" SP		½" SP		⅝" SP		¾" SP		⅞" SP		1" SP		1¼" SP		1½" SP		1¾" SP	
		CFM	VEL	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP										
54149	800	125	3.38	138	4.50	150	5.66	162	6.92	173	8.18	184	9.53	199	12.30	204	13.80	222	17.10	243	22.40
60917	900	135	4.25	147	5.49	158	6.74	169	8.09	179	9.40	189	10.80	204	13.80	222	17.10	243	22.40	264	28.80
67686	1000	145	5.24	156	6.58	166	7.90	176	9.31	185	10.60	195	12.30	204	13.80	222	17.10	243	22.40	264	28.80
74455	1100	155	6.34	165	7.76	175	9.29	184	10.70	193	12.30	202	13.90	210	15.40	227	18.90	243	22.40	264	28.80
81223	1200	166	7.72	175	9.21	184	10.80	193	12.40	201	14.00	210	15.80	218	17.50	233	20.90	249	24.90	264	28.80
87992	1300	177	9.28	185	10.80	194	12.60	202	14.30	210	16.00	218	17.90	226	19.80	240	23.30	255	27.30	269	31.40
94760	1400	188	11.00	196	12.80	204	14.60	212	16.50	219	18.20	227	20.20	234	22.10	248	26.00	262	30.20	275	34.30
101529	1500	199	13.00	206	14.70	214	16.70	221	18.60	229	20.80	235	22.50	243	24.80	256	28.80	269	33.10	282	37.60
108298	1600	210	15.10	217	17.10	225	19.40	231	21.10	238	23.30	245	25.50	252	27.70	264	31.80	277	36.40	289	40.90
115066	1700	221	17.50	228	19.70	235	21.90	242	24.20	248	26.20	255	28.60	261	30.80	273	35.20	285	39.90	297	44.80
121835	1800	232	20.20	239	22.50	246	25.00	252	27.20	258	29.40	265	32.00	271	34.40	282	38.90	294	44.00	305	48.80
128603	1900	244	23.30	250	25.60	256	28.00	262	30.30	269	33.20	275	35.70	280	37.80	292	43.10	303	48.20	314	53.50
135372	2000	255	26.50	261	29.00	267	31.60	273	34.10	279	36.80	285	39.50	290	41.90	301	47.20	312	52.60	322	57.80
148909	2200	278	34.00	284	37.00	290	40.00	295	42.60	300	45.30	306	48.50	311	51.20	321	56.90	331	62.70	341	68.70
162446	2400	301	42.90	307	46.30	312	49.30	317	52.40	322	55.50	327	58.60	332	61.80	341	67.70	351	74.40	360	80.60
175984	2600	325	53.70	330	57.10	335	60.60	340	64.10	344	67.00	349	70.60	353	73.60	362	80.30	371	87.30	380	94.30
189521	2800	349	66.20	353	69.50	358	73.40	362	76.70	366	80.00	371	84.10	375	87.50	384	95.10	392	102.00	400	109.00
203058	3000	372	79.80	376	83.50	381	87.90	385	91.70	389	95.40	393	99.20	397	103.00	405	111.00	413	119.00	421	127.00
216595	3200	396	96.00	400	100.00	404	104.00	408	108.00	412	113.00	416	117.00	420	121.00	427	129.00	435	138.00	442	146.00
230132	3400	420	114.00	423	118.00	427	122.00	431	127.00	435	132.00	438	136.00	442	140.00	449	149.00	456	158.00	463	166.00
243670	3600	443	134.00	447	139.00	451	144.00	454	148.00	458	153.00	461	157.00	465	162.00	472	172.00	478	180.00	485	190.00
257207	3800	467	156.00	471	162.00	474	166.00	478	172.00	481	176.00	484	181.00	488	187.00	494	196.00	501	206.00	507	216.00
270744	4000	491	181.00	494	186.00	498	192.00	501	197.00	504	202.00	507	207.00	510	212.00	517	223.00	523	233.00	529	244.00

VOL	OUT	2" SP		2½" SP		3" SP		3½" SP		4" SP		4½" SP		5" SP		5½" SP		6" SP		6½" SP	
		CFM	VEL	RPM	BHP	RPM	BHP	RPM	BHP												
87992	1300	282	35.30																		
94760	1400	288	38.60	313	47.60																
101529	1500	294	41.90	318	51.20																
108298	1600	301	45.70	324	55.30	346	65.40														
115066	1700	308	49.50	330	59.40	352	70.30	373	81.40												
121835	1800	316	53.90	337	64.20	358	75.20	378	86.50	398	98.50										
128603	1900	324	58.50	345	69.50	364	80.20	384	92.20	403	104.00	421	116.00								
135372	2000	332	63.20	352	74.50	371	85.80	390	98.00	408	110.00	426	123.00	444	136.00						
148909	2200	350	74.30	369	86.60	387	99.00	404	111.00	421	124.00	438	138.00	455	152.00	471	166.00	487	180.00		
162446	2400	369	87.00	386	100.00	403	113.00	419	126.00	435	139.00	451	154.00	467	168.00	482	183.00	497	198.00	512	213.00
175984	2600	388	101.00	405	115.00	420	128.00	436	143.00	451	157.00	466	172.00	481	187.00	495	202.00	510	219.00	524	235.00
189521	2800	408	117.00	424	132.00	439	147.00	453	161.00	468	177.00	482	192.00	496	208.00	510	224.00	523	240.00	537	258.00
203058	3000	428	134.00	443	150.00	458	166.00	471	181.00	485	197.00	499	214.00	512	231.00	525	247.00	538	265.00	551	282.00
216595	3200	449	154.00	463	170.00	477	187.00	490	204.00	503	221.00	516	238.00	529	256.00	541	273.00	554	291.00	566	309.00
230132	3400	470	175.00	484	194.00	497	211.00	510	229.00	522	246.00	535	265.00	547	283.00	559	302.00	570	319.00	582	339.00
243670	3600	491	199.00	504	217.00	517	237.00	529	255.00	541	274.00	553	293.00	565	313.00	576	331.00	588	352.00	599	371.00
257207	3800	513	225.00	526	246.00	538	265.00	549	284.00	561	304.00	573	325.00	584	345.00	595	365.00	606	386.00	616	405.00
270744	4000	535	254.00	547	275.00	559	296.00	570	316.00	581	337.00	592	358.00	603	379.00	614	401.00	624	421.00		

Underlined figures in columns approximate Max. Static Efficiency and Quietest Selection. CL. I □ CL. II ■ CL. III ■ CL. IV ■

Refer to factors on page 54 to convert numbers above to the desired metric units.

The standard AMCA class range is shown by the shaded areas. Standard carbon steel fans may be used up to the Maximum Design RPM as listed above for each fan class.

For minimum motor size required see "Fan Starting Requirements," page 9.

If the Maximum Safe Operating RPM is not shown, consult the factory.

Performance certified is for Installation Type B - Free Inlet, Ducted Outlet.

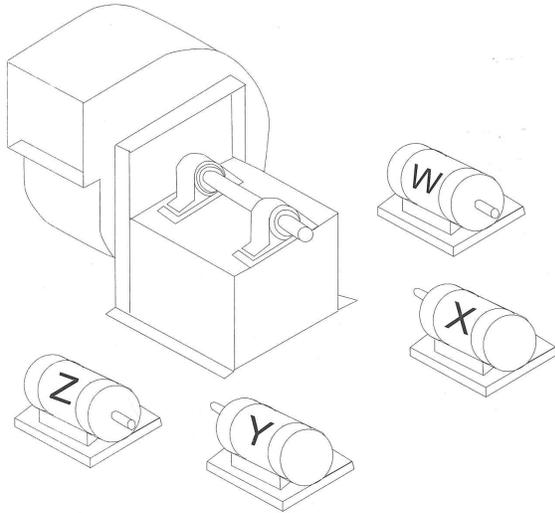
Performance ratings do not include the effects of appurtenances. Power rating does not include transmission losses.

All capacities listed above are based on standard Air Density of 0.075 Lbs./Cu. Ft. at 70 F & 0 Ft. elevation (1.2 kg/m³ at 21.1°C & 0 m).

SILENTVANE™

AMCA STANDARD ARRANGEMENTS AND DISCHARGES

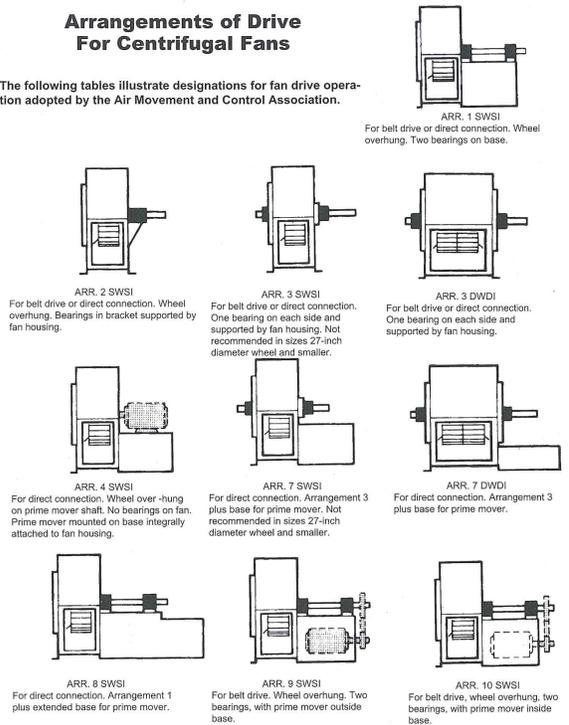
Motor Position, Belt Drive



The location of the motor is determined by facing the drive side of the fan and designating the motor positions by the letters W, X, Y or Z, as the case may be.

Arrangements of Drive For Centrifugal Fans

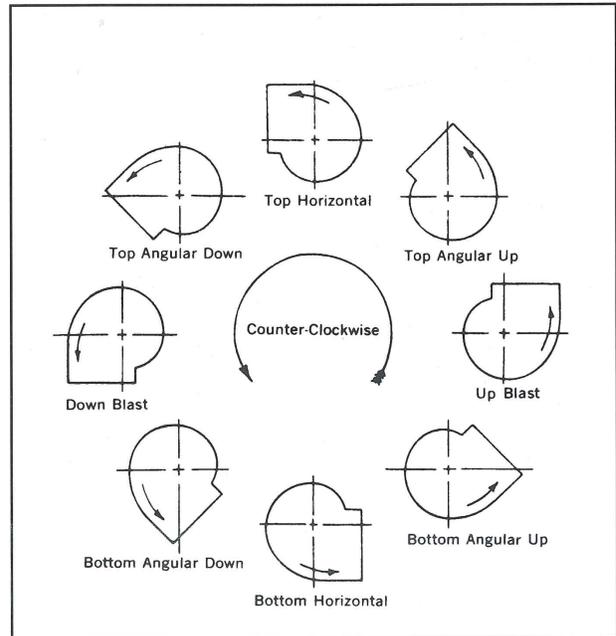
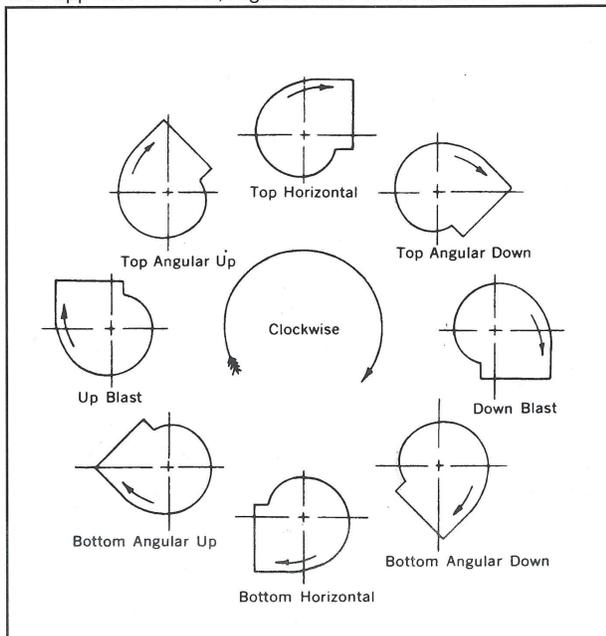
The following tables illustrate designations for fan drive operation adopted by the Air Movement and Control Association.



DESIGNATION FOR DIRECTION OF ROTATION AND DISCHARGE

Direction of Rotation is determined from the drive side for either single or double width, or single or double inlet fans. (The driving side of a single inlet fan is considered to be the side opposite the inlet, regardless of the actual location of the

drive.) For fan inverted for ceiling suspension, the Direction of Rotation and Discharge is determined when the fan is resting on the floor.



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3000 SERIES

TYPICAL SPECIFICATIONS

FURNISH AND INSTALL WHERE SHOWN ON THE PLANS, 3000 SERIES, B.I. CENTRIFUGAL FANS.

PERFORMANCE: Fans shall be licensed to bear the AMCA Air & Sound Performance Seal with performance ratings based on tests conducted in accordance with AMCA Standard 210 and AMCA Standard 300, and comply with the requirements of the AMCA Certified Ratings Program. Fans shall have a sharply rising pressure characteristic which shall extend throughout the operating range and continue to rise well beyond the efficiency peak to insure quiet, stable operation under most conditions. The horsepower characteristic shall be truly non-overloading and shall peak at maximum efficiency and within the normal selection range.

DESIGN AND CONSTRUCTION: Housings shall be of scroll centrifugal type, rigidly braced and reinforced to help prevent vibration or pulsation. Wheel diameters and outlet areas shall be in accordance with the Standard Sizes adopted by AMCA for non-overloading fans. Inlets shall be fully streamlined.

WHEELS: All wheels shall have flat backwardly inclined blade design offering a true non-overloading power characteristic.

Blades shall be welded to the rim, center and/or backplate. Class IV wheels shall have intermediate rims. All wheels shall be statically and dynamically balanced before shipment.

INLET VANE CONTROL: Shall be provided in either nested, internally mounted, or separately encased, externally mounted type designs, to permit volume reduction with a corresponding horsepower savings, and where appropriate, designed for inlet duct attachment. The free area of the conical vanes shall be not less than 120% of the fan inlet area to eliminate inlet losses. The blade area shall be equalized so that the vanes shall remain partially open should control devices fail. Nested and external type design shall be furnished with either a lever and locking hand quadrant for manual operation, or a stub shaft, with lever for automatic control. DWDI fans shall be furnished with interconnecting linkage for single point operation.

ACCESSORIES: Fans shall be furnished with accessories as shown in the schedules.

CONSULT SUBMITTAL SHEETS AND APPLICATION DATA FOR DIMENSIONS AND WEIGHTS.

SET SCREW TIGHTENING SCHEDULE

1. Before initial operation of the fan, tighten set screws according to the procedure outlined below.
2. After 500 operating hours or three months, whichever comes first, tighten set screws to the full recommended torque.
3. At least once a year, tighten set screws to the full recommended torque.

PROCEDURE FOR TIGHTENING SET SCREWS IN BEARINGS AND HUBS

One Set Screw Application

Using a torque wrench, tighten the set screw to the torque recommended in Table 1.

Two Set Screw Application

1. Using a torque wrench, tighten one set screw to half of the torque recommended in Table 1.
2. Tighten the second set screw to the full recommended torque.
3. Tighten the first set screw to the full recommended torque.

Table 1. Recommended Tightening Torque for Set Screws

Set Screw Diameter	Torque (in-lbs)
#10	35
1/4	80
5/16	126
3/8	240
7/16	384
1/2	744
9/16	1080
5/8	1500
3/4	2580
7/8	3600
1	5400

VARIABLE FREQUENCY DRIVES AND MOTORS

There are occasions when a Variable Frequency Drive (VFD) will cause poor motor performance and possible damage. To avoid these problems, the Company recommends the following:

1. Select compatible motor and VFD converter; if possible, the motor and the converter should be from the same manufacturer or at least the converter selected should be recommended by the motor manufacturer.
2. A motor shaft grounding system should be used to prevent motor bearing damage from eddy currents.

NOTE: The Company will not honor motor warranty claims if the customer fails to follow these recommendations.

SILENTVANE™

	CONVERSION TABLE			
	I-P Equivalents of Metric Units		Metric Equivalents of I-P Units	
Area	1 m ² (square meter)	= 10.764 ft ²	1 ft ² (square foot)	= .09290 m ²
Density	1 kg/m ³	= .062428 lbm/ft ³	1 lbm/ft ³	= 16.018 kg/m ³
	1 g/cm ³	= 62.428 lbm/ft ³	1 lbm/ft ³	= .016018 g/cm ³
Energy	1 J (Joule) or N-m (Newton-meter)	= .73756 ft-lb	1 ft-lb (foot pound)	= 1.3558 N-m
	1 kcal (kilo calorie)	= 3.9683 Btu	1 Btu (British thermal unit)	= 252 cal
Flow Rate (Volume)	1 m ³ /s (cubic meter per second) CMS	= 2118.9 CFM	1 CFM (Cu. ft/min)	= .00047195 m ³ /s
	1 m ³ /min (cubic meter per minute) CMM	= 35.315 CFM	1 CFM	= .02832 m ³ /min
	1 m ³ /hr (cubic meter per hour) CMH	= .58858 CFM	1 CFM	= 1.6990 m ³ /hr
	1 l/s (liter per second)	= 2.1189 CFM	1 CFM	= .47195 l/s
Force	1 N (Newton)	= .22481 lb	1 lb (pound)	= 4.4482 N
	1 kp (kilopond)	= 2.2046 lb	1 lb	= .45359 kp
Gas Constant	1 J/kg-K (Joule per kilogram Kelvin)	= .18586 ft-lb/lbm-°R	1 ft-lb/lbm-°R*	= 5.3803 J/kg-K
	1 m ² /s ² -K (sq. mtr per sec. sq. Kelvin)	= 5.9800 ft ² /s ² -°R	1 ft ² /s ² -°R**	= .16723 m ² /s ² -K
	1 cal/g-°C (calorie per gram °C)	= 4186.8 J/kg-K	1 Btu/lbm-°R	= 1.0000 cal/g-°C
			*(foot-pound per poundmass degree Rankine)	
			**(square-foot per second-square degree Rankine)	
Length	1 mm (millimeter)	= .03937 inch	1" (inch)	= 25.4 mm
	1 cm (centimeter)	= .39370 inch	1"	= 2.54 cm
	1 m (meter)	= 3.2808 ft	1 ft (foot)	= .30480 m
	1 km (kilometer)	= .62137 mi	1 mi (mile)	= 1.6093 km
Mass	1 kg (kilogram)	= 2.2046 lbm	1 lbm (pound mass)	= .45359 kg
Power	1 W (Watt)	= .00134 HP	1 hp (horsepower)	= .7457 kW
	1 kW (kilo-Watt)	= 1.3410 hp	1 hp	= 745.70 W
	1 mhp (metric horsepower)	= .98632 hp	1 hp	= 1.0139 mhp
Pressure or Stress	1 N/m ² (Newton per m ²) or Pa (Pascal)	= .0040264" wg	1" wg (inches water gauge)	= 248.66 Pa or N/m ²
	1 mm Hg or torr (mm Mercury)	= .53616" wg	1" wg	= 1.8651 mm Hg or torr
	1 kPa (kilo Pascal)	= .1450 psi	1 psi (pounds per sq. inch)	= 6894.8 Pa or N/m ²
	1 atm (atmosphere)	= 29.921" Hg	1" Hg (inch Mercury)	= 3386.4 Pa or N/m ²
	(mm Hg at 0°C or 68°F)		(inches wg at 68°F or 20°C)	
1 oz/in ²	= 1.732" wg	1" wg	= 0.5774 oz/in ²	
Temperature	For temperature intervals and rise,		For temperature intervals and rise,	
	1°C (degree Celcius)	= 9/5 °F	1°F (degree Fahrenheit)	= 5/9 °C
	For temperature in °F (Fahrenheit)	= t _c x 9/5 + 32	For temperature in °C	= (t _f -32) x 5/9
Torque	1 N-m (Newton meter)	= 8.8507 in.-lb.	1 in.-lb. (inch pound)	= .11298 N-m
	1 N-m (Newton-meter)	= .73756 ft.-lb.	1 ft.-lb. (foot pound)	= 1.3558 N-m
Velocity & Speed	1 m/s	= 196.5 fpm	1 fpm (feet per minute)	= .00508 m/s
	1 km/hr (kilometer per hour)	= .62137 mph	1 mph (mile per hour)	= 1.6093 km/hr
	1 rps (revolution per second)	= .016667 rpm	1 rpm (revolution per minute)	= 60 rps
Viscosity	1 cP (Centipoise)	= .00067197 lbm/ft-s	1 lbm/ft-s (pound/foot second)	= 1488.2 cP



FANtastic!®

FANtastic!® was the industry's first Windows® based fan selection program. This customer friendly software allows the user to select the correct Acme fan for the application and to print performance curves, submittal drawings, and product specifications quickly and easily. Submittal drawings are seamlessly integrated into AutoCAD.

FAST Ship Program

Acme stocks a variety of fans and air moving equipment available at strategic locations around the country for immediate shipment. Our FAST program, gives you a choice of Next Day or 10 Day shipment on selected products.

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Acme stands behind every piece of equipment we make...period! To prove it, we offer a 2 Year Comprehensive Warranty on every product and a 5 Year Bearing and Shaft Warranty on our exclusive duplex split pillow block bearings and shaft.

Year after Year...Acme's Warranty Provides Confidence.

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Acme's Warranty Provides Confidence

YEAR AFTER YEAR

2
YEAR
COMPREHENSIVE
WARRANTY

5
YEAR
BEARING & SHAFT
WARRANTY

Acme stands behind every piece of equipment it makes...period! To prove it, we offer a comprehensive 2 year warranty on every product and a 5 year warranty on our exclusive duplex split pillow block bearings and shaft.

If you want dependability and a company that stands behind its products, you want Acme!

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- Propeller Roof Fans
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- Gravity Vents
- Centrifugal Inline Fans
- Tubaxial Fans
- Centrifugal Blowers
- Propeller Wall Fans
- Shutters/Dampers/Curbs

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TERMS AND CONDITIONS OF SALE

ACCEPTANCE All orders and sales are subject to written approval and acceptance by an executive officer of Acme Engineering & Manufacturing Corporation at Muskogee, Oklahoma, (the "Company") and are not binding on the Company until so approved.

DELIVERY All shipping and delivery dates are estimated only. No delays in delivery will subject the Company to any costs, damages or fees for late delivery. Delivery of the products herein specified shall be made F.O.B. point of shipment, unless otherwise stated. The Company shall not be liable for delay due to causes beyond its reasonable control, such as Acts of God, acts of the purchaser, acts of civil or military authorities, priorities, fires, strikes, floods, epidemics, war, riots, delays in transportation, car shortages, and inability, due to reasons beyond its reasonable control, to obtain necessary labor, material, or manufacturing facilities. In the event of such a delay, the date of delivery shall be extended for a period equal to the time lost by reason of the delay.

TERMS OF PAYMENT If, in the judgment of the Company, the financial condition of the purchaser at any time does not justify continuation of manufacture or shipment on the terms of payment specified, the Company may require full or partial payment in advance.

Pro rata payments shall become due as shipments are made. Each shipment or delivery shall constitute a separate sale, and the default of any shipment or delivery shall constitute a separate sale, and the default of any shipment or delivery shall not vitiate the contract as to other shipments or deliveries.

SALES AND SIMILAR TAXES The Company's prices do not include sales, use, excise, or similar taxes. Consequently, in addition to the price specified herein, the amount of any present or future sales, use, excise, or other similar tax applicable to the sale of the product

herein shall be paid by the Purchaser, or in lieu thereof the Purchaser shall provide the Company with a tax exemption certificate acceptable to the taxing authorities.

CANCELLATION Any contract resulting from the Purchaser's order may be canceled by the Purchaser only by negotiations and upon payments of reasonable cancellation charges which will take into account expenses already incurred and commitments made by the Company.

DESIGN CHANGES The Company reserves the right to make changes in design, improvements and additions in and to its products any time without imposing any liability or obligations to itself to apply or install the same in any product manufactured by it.

TITLE The title and right of possession of the products sold herein shall remain with the Company and such products shall remain personal property until all payments herein (including deferred payments whether evidenced by notes or otherwise) shall have been made in full in cash and the Purchaser agrees to do all acts necessary to perfect and maintain such right and title in the Company.

PRICE ADJUSTMENTS Prices are subject to change upon notice by the Company. Prices on existing orders are subject to surcharges in the event of cost increases of metals and transportation. All complete component accessory material manufactured by others and furnished with the Company's products such as motors, drives, vibration equipment, controls or other completely assembled component structures, are subject to adjustment to the price at time of shipment regardless of the date of original order entry.

SAFETY ACCESSORIES The Company manufactures products designed to serve multiple applications and offers a wide range of safety equipment, including guards

and other devices, as may be required to meet customer specifications. Without exception, the Company recommends that all orders include applicable safety devices. Products ordered without applicable safety devices is clearly the responsibility of the Purchaser. Further, the Purchaser warrants that it has determined and acquired any and all safety devices required for products sold by the Company. Weather covers and guards for motor and V-belt drives, couplings, shafts and bearings, along with inlet and outlet screens, are optional accessories noted in the price list.

GOVERNING LAW The rights, obligations and remedies of Purchaser and the Company, the interpretation of these terms and conditions and the sale of products by the Company shall be governed by Oklahoma law, without regard to any principles of conflict of laws.

ARBITRATION Any dispute arising under or in connection with these terms and conditions or the sale of products shall be settled by binding arbitration administered by the American Arbitration Association under its Commercial Arbitration Rules, and judgment on the award rendered by the arbitrator may be entered in any court having jurisdiction thereof. The dispute shall be resolved by one neutral arbitrator who shall have no affiliation with either Purchaser or the Company and shall be selected by the American Arbitration Association office in Dallas, Texas. The arbitration proceedings shall be held in Muskogee, Oklahoma.

APPLICABLE DOCUMENTS The agreement between the Company and the Purchaser relating to the products includes these terms and conditions of sale, any applicable installation and maintenance instructions provided by the Company and any terms appearing on the Company's quotation, sales order acknowledgment and invoice.

WARNING Acme products are designed and manufactured to provide reliable performance but they are not guaranteed to be 100% free of defects. Even reliable products will experience occasional failures and this possibility should be recognized by the Purchaser and all End Users. If these products are used in a life support ventilation system where failure could result in loss or injury, the Purchaser and all End Users should provide adequate back-up ventilation, supplementary natural ventilation or failure alarm system, or acknowledge willingness to accept the risk of such loss or injury.

WARNING DO NOT use in HAZARDOUS ENVIRONMENTS where fan's electrical system could provide ignition to combustible or flammable materials unless unit is specifically built for hazardous environments. Comply with all local and national safety codes including the National Electrical Code (NEC) and National Fire Protection Act (NFPA).

CAUTION Guards must be installed when fan is within reach of personnel or within eight (8) feet (2.5 m) of working level or when deemed advisable for safety.

DISCLAIMER The Company has made a diligent effort to illustrate and describe the products accurately in all Company literature; however such illustrations and descriptions are for the sole purpose of identification and do not express or imply any warranty.

LIMITED WARRANTY

WARRANTY AND DISCLAIMER: the Company extends this limited warranty to the original purchaser and warrants that products supplied by the Company, shall be free from original defects in workmanship and materials for two years from date of shipment (except for the warranty periods noted for products listed below), provided same have been properly handled, stored, installed, serviced, maintained and operated. This warranty shall not apply to products which have been altered or repaired without the Company's express authorization, or altered or repaired in any way so as, in the Company's judgment, to affect its performance or reliability, nor which have been improperly installed or subjected to misuse, negligence, or accident, or incorrectly used in combination with other substances. The Purchaser assumes all risks and liability for results of use of all products.

Evaporative cooling pads are warranted to be free of defects in materials and workmanship for a period of two years from date of shipment provided same have been properly handled, stored, installed, serviced, maintained and operated; and further, not subjected to excessive heat, corrosive agents or chemicals, or mechanical abuse that may cause tearing, crushing or undue deterioration, nor used on a system or in a manner other than that for which it was designed as explained in the product literature.

The following products are warranted to be free of defects in materials and workmanship for the periods shown from date of shipment: Acme's exclusive duplex split pillow block bearings and shaft five years, belts one year, Polyethylene tubing 90 days, and DDP fan lifetime warranty on its stainless steel propeller, cone, and housing.

LIMITATION OF REMEDY AND DAMAGES: All claims under this warranty must be made in writing and delivered to P. O. Box 978, Muskogee, Oklahoma, 74402, within 15 days after discovery of the defect and prior to the expiration of two years from the date of shipment by the Company of the product claimed defective, and Pur-

chaser shall be barred from any remedy if Purchaser fails to make such claim within such period.

Within 30 days after receipt of a timely claim, the Company shall have the option either to inspect the product while in Purchaser's possession or to request Purchaser to return the product to the Company at Purchaser's expense for inspection by the Company. The Company shall replace, or at its option repair, free of charge, any product it determines to be defective, and it shall ship the repaired or replacement product to Purchaser F.O.B. point of shipment; provided, however, if circumstances are such as in the Company's judgment to prohibit repair or replacement to remedy the warranted defects, the Purchaser's sole and exclusive remedy shall be a refund to the Purchaser of any part of the invoice price, paid to the Company, for the defective product or part.

The Company is not responsible for the cost of removal of the defective product or part, damages due to removal, or any expenses incurred in shipping the product or part to or from the Company's plant, or the installation of the repaired or replaced product or part.

The warranties set forth above do not apply to any components, accessories, parts or attachments manufactured by other manufacturers; such being subject to the manufacturer's warranty, if any. To the extent not prohibited by the manufacturer's warranty, the Company shall pass through to Purchaser such manufacturer's warranty.

THE COMPANY'S WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ARISING BY LAW OR OTHERWISE, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY EXPRESSLY DISCLAIMED AND WAIVED. THIS WARRANTY CONSTITUTES THE COMPANY'S SOLE AND EXCLUSIVE WARRANTY FOR DEFECTIVE GOODS AND PURCHASER'S SOLE AND EXCLUSIVE REMEDY FOR DEFECTIVE PRODUCTS.

No employee, agent, dealer, or other person is authorized to give any warranties on behalf of the Company or to assume for the Company any other liability in connection with any of its products except in writing and signed by an officer of the Company.

REPLACEMENT PARTS If replacement parts are ordered, purchaser warrants that the original components in which these replacement parts will be placed are in

satisfactory working condition, and when said replacement parts are installed, the resultant installation will operate in a safe manner, at speeds and temperatures for which the original product was purchased.

TECHNICAL ADVICE AND RECOMMENDATIONS, DISCLAIMER: Notwithstanding any past practice or dealings or any custom of the trade, sales shall not include the furnishing of technical advice or assistance or system design. Any such assistance shall be at the Company's sole option and may be subject to additional charge.

The Company assumes no obligation or liability on account of any recommendations, opinions or advice as to the choice, installation or use of products. Any such recommendations, opinions or advice are given and shall be accepted at Purchaser's and End User's risk and shall not constitute any warranty or guarantee of such products or their performance.

LIMITATION OF LIABILITY The cumulative liability of the Company to the Purchaser and any other persons for all claims in any way relating to or arising out of the products, including, but not limited to, any cause of action sounding in contract, tort, or strict liability, shall not exceed the total amount of the purchase price paid for those products which are the subject of any such claim. This limitation of liability is intended to apply without regard to whether other provisions of this agreement have been breached or have proven ineffective even if the Company has been advised of the possibility of such claims or demands. In no event shall the Company be liable to the Purchaser or any other person for any loss of profits or any incidental, special, exemplary, or consequential damages for any claims or demands brought by the Purchaser or such other persons.

INDEMNITY The Company's maximum liability to Purchaser and to any end user is as set forth above. The Company makes no warranty to anyone for any products not manufactured by the Company and shall have no liability for any use or installation of any products (whether manufactured by the Company or other manufacturers) not specifically authorized by this sale. Purchaser acknowledges various warnings by the Company regarding the products and its installation and use. If the Company incurs any claims, lawsuits, settlements, or expenses (including attorney fees) for any loss, injury, death or property damage including, but not limited to, claims arising out of the Purchaser's or any end user's installation or use of the products, the Purchaser shall indemnify and hold the Company harmless.



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