

Centrifugal Utility Fans

Model SFD, SFB and SWB

Forward-Curved Direct, Belt Drive and Backward-Inclined Belt Drive



B U I L D I N G V A L U E I N A I R .

GREENHECK
Building Value in Air.

May
2009

SFD and SFB Utility Fans



Greenheck models SFD and SFB forward-curved utility fans have been designed for supply, exhaust and return air applications requiring low to medium air volumes and pressures. You will receive the following benefits with these fans:

- Performance ranges from 300 to 25,200 cfm (510 to 42,815 m³/hr) with static pressures to 3.5 in. wg (872 Pa).
- SFD fans are available in four sizes (6, 7½, 9 and 10) with different rpm motors. Capacities range from 300 to 2700 cfm (510 to 4587 m³/hr) with static pressures up to 2.5 in. wg (623 Pa).
- SFB in ten sizes (9 through 30) with capacities ranging from 360 to 25,200 cfm (612 to 42815 m³/hr) and static pressures up to 3.5 in. wg (872 Pa).

- Greenheck utility fans are designed, engineered and tested prior to shipment to provide years of smooth, vibration-free operation with minimal maintenance.
- Fan location mountings are unlimited. The fan may be mounted indoors or outdoors.
- All fan sizes are tested in our AMCA Accredited Laboratory, to ensure complete and accurate performance ratings. All models are licensed to bear the AMCA Air Performance seal. Performance as catalogued is assured.



SWB Belt Drive Utility Fans

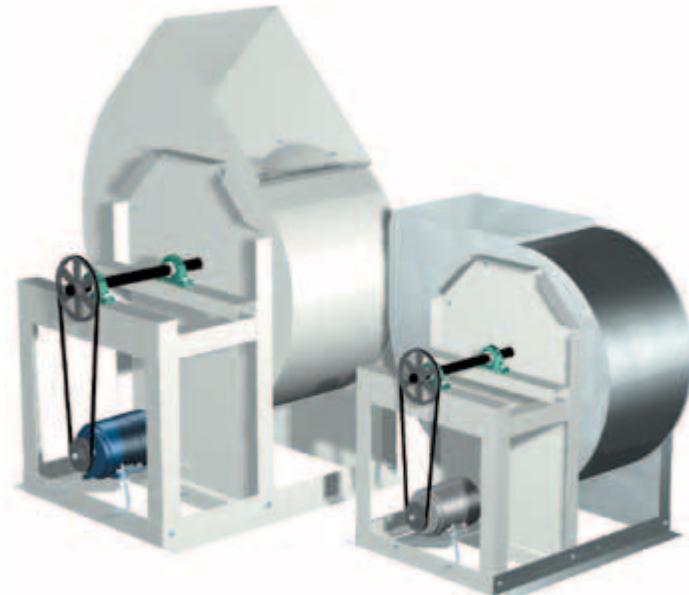
Greenheck's backward-inclined utility fans have many advantages; higher operating efficiencies, non overloading horsepower curve and higher pressure capability. You will also receive the following benefits with these fans:

- AMCA Class 1 Performance on Series 200 (sizes 210 through 236).
- Performance ranges from 70 to 30,000 cfm (120 to 51,000 m³/hr) with static pressures up to 5 in. wg (1250 Pa).

SWB Series 100 in ten sizes (106 through 124) with capacities from 100 to 11,000 cfm (170 to 19,689 m³/hr) and static pressures to 3.0 in. wg (747 Pa).

SWB Series 200 in sixteen sizes (206 through 236) with capacities from 70 to 30,000 cfm (120 to 50,970 m³/hr) and static pressures to 5.0 in. wg (1250 Pa).

- Two different series of construction will meet your exact needs in the most efficient manner.



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- All fan sizes are tested in our AMCA Accredited Laboratory, to ensure complete and accurate performance ratings. All models are licensed to bear the AMCA Air Performance seal. Performance as catalogued is assured.



SFD, SFB Series 100 and SWB Series 200 models are listed for electrical (UL/cUL 705) File no. E40001

SWB Series 200 models are listed for grease removal (UL/cUL 762) File no. MH11745

SWB Series 200 models are listed for Emergency Smoke Control Systems File No. MH17511



Greenheck Fan Corporation certifies that the model SFD, SFB and SWB, 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 comply with the requirements of the AMCA Certified Ratings Program. The certified ratings for Model SFD, SFB and SWB are shown on pages 13 to 49.

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Quick Delivery and Quick Build Programs



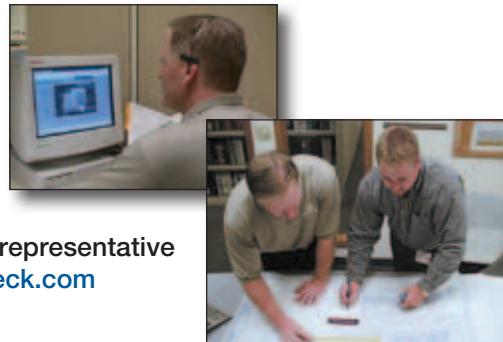
The Quick Build (QB) program makes custom built-to-order products available to ship in one, three, five, or ten days. This program offers greater flexibility – your fan can be made-to-order and shipped in as little as one day. Five configurations of SWB fans are in stock. Other SWB fan sizes are available in five and ten day QB programs.

Other products are available from our Quick Delivery (QD) program. QD provides same day shipment of Greenheck products from our strategically located warehouses throughout the world.

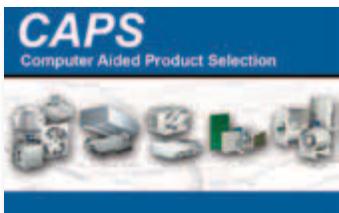
Outstanding Customer Service

Greenheck's experienced staff is ready to answer your questions and delivers solutions. Our representatives have a wealth of industry and product knowledge, they maintain the latest information and can process orders directly to our factory.

Count on the personal service and expertise from our national and international representative organizations. To locate the Greenheck representative nearest you, call 715-359-6171 or visit our Web site at www.greenheck.com



Leading Edge Technical Support



When you need extensive product information, look no further. Greenheck products are supported by the industry's best product literature, ranging from catalogs, installation, operation and maintenance manuals (IOM's), electronic media, computer aided product selection (CAPS) program and more. You'll also find this information on our Web site at www.greenheck.com

World Class Manufacturing

Greenheck's skilled production workers use cost-effective machines and unique dies designed and built by our own engineers to add innovative features and greater strength to our centrifugal utility exhaust fans. Our advanced manufacturing processes and quality control procedures always ensure the highest product quality. And just to be sure you get the peace-of-mind you expect when you specify Greenheck, our assembly inspectors test run and monitor every fan before it leaves the factory. Results of these tests are kept in permanent records for future reference.



1 **Wheel**

SFD and SFB fans have forward-curved centrifugal wheels constructed of die formed steel with blades securely riveted to a steel back plate and rim. Each wheel is statically and dynamically balanced to precise tolerances.

SWB Series 100 and 200 through size 210 have backward inclined non-overloading centrifugal wheels constructed of aluminum. Series 200, sizes 212 and larger are constructed of steel or aluminum. Backward-inclined wheels are of a heavy-gauge material with single-thickness blades securely riveted or welded to a heavy-gauge backplate and wheel cone. Each wheel is statically and dynamically balanced to precise tolerances.

2 **Finish** - All structural steel parts are phosphatized treated and coated with Greenheck's Permatector™ for a long lasting finish. See housing and drive frame information for specific material and coating.

3 **Housing** - SFD and SWB Series 100 housings are constructed from galvanized steel. SFB and SWB Series 200 fans are constructed of steel and coated with Permatector™. Both are available in clockwise or counterclockwise rotation and are field rotatable to the eight standard discharge positions. Housing sides are bonded to the fan scroll with an airtight lock seam. Full weld is available on SFB and SWB Series 200 models.

4 **Housing Supports** - Housing supports are constructed of structural steel with formed flanges for extra strength.

5 **Mounting Holes** - Housing supports have prepunched mounting holes which allow for easy installation.

6 **Drive Frame** - Drive frames are constructed of rugged, welded steel members supporting the shaft and bearings to provide rigid reinforcement for the housing. They are coated with Permatector™. SFD drive frames are constructed of galvanized steel, bolted and available in arrangement 4 – SFB and SWB are arrangement 10.

7 **Fasteners** - Corrosion-resistant fasteners are used to secure unit base and blower scroll assembly.

8 **Motor** - Heavy-duty ball bearing motors are carefully matched to the fan load. Open drip proof, totally enclosed and explosion proof enclosures are available.

9 **Motor Plate** - A pivoting motor plate with adjusting screws make belt tensioning a quick and easy operation. Excludes SFD.

10 **Inlet Cone** - Streamlined inlet cone design provides for low turbulence air intake, reducing intake losses and sound levels.

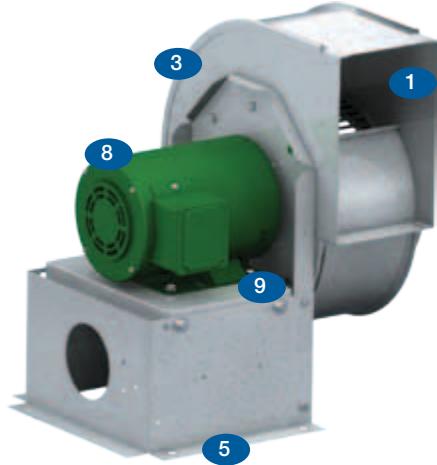
Belt Drive Only Features

11 **Drive Assembly** - Machined, cast iron pulleys are factory set to the required RPM and are adjustable for final system balancing. Sized for a minimum of 150% of driven horsepower.

12 **Fan Shaft** - Precision turned, ground and polished solid steel shafts are sized so the first critical speed is at least 25% over the maximum operating speed. Stainless steel shafts are available on SWB Series 200 fans.

13 **Bearings** - Heavy-duty, self-aligning pillow block ball bearings are selected for a minimum L_{10} life in excess of 100,000 hours (L_{50} average life of 500,000 hours) at maximum cataloged operating conditions.

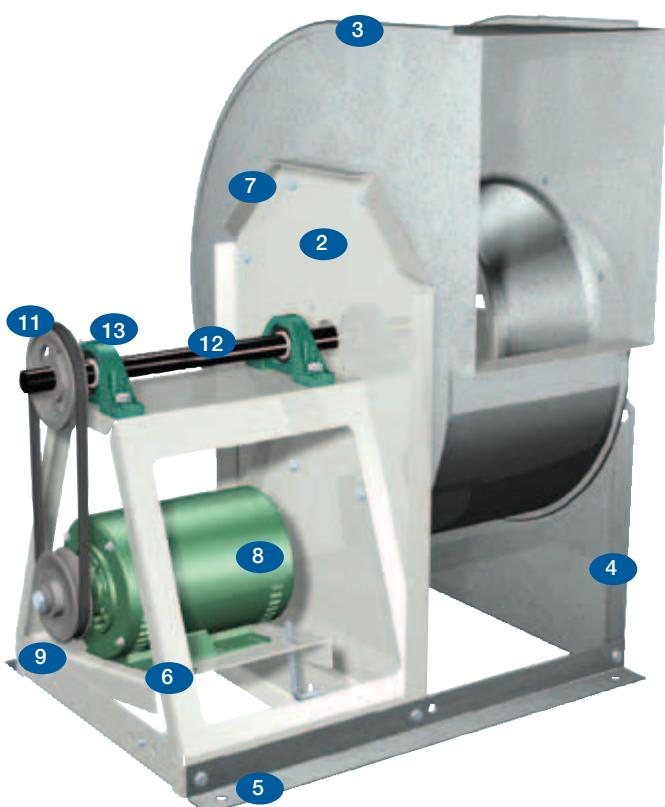
Standard Construction Features



SFD



SFB



SWB-100 Series



SWB-200 Series

Temperature Options



Testing

High temperature testing was conducted at Greenheck's Research and Development facility with airstream temperatures in excess of 1000°F (538°C). Temperatures were monitored at the following critical locations throughout the tests: bearings, bearing compartment, motor, motor compartment, airstream, and fan housing.

Operating Temperatures

Utility set fans are suitable for applications above normal operating temperatures of 70°F (21°C). Refer to the chart at the right for operation temperature guidelines and optional accessories.

High Temperature/Emergency Smoke Control

The SWB Series 200 sizes 212 and larger may be equipped for emergency smoke removal applications by specifying a high temperature option. The table to the right indicates the construction features included in the high temperature options enabling exhaust of heat and smoke at 500°F (260°C) for a minimum of 4 hours or 1000°F (538°C) for a minimum of 15 minutes.

High Temperature Option

- 500°F (260°C) for a minimum of 4 hours
- 1000°F (538°C) for a minimum of 15 minutes

Temperature ratings tested in accordance to UL smoke control systems.

Emergency Smoke Control - UL Listed

- 500°F (260°C) for a minimum of 4 hours
- 1000°F (538°C) for a minimum of 15 minutes

Testing for Emergency Smoke Temperature and Time Guidelines				
Code	Class	Tested Temperature	Converted Temperature	Time (Hours)
IRI		500°F	(260°C)	4.00
SBCCI		1000°F	(538°C)	0.25
BSI	Class A	150°C	(302°F)	5.00
	Class B	250°C	(482°F)	2.00
	Class C	300°C	(572°F)	0.50
	Class D	300°C	(572°F)	1.00
	Class E	400°C	(752°F)	2.00

Operating Temperatures and Construction	SWB Series 100	SWB Series 200		SFD, SFB	
	Galvanized	Painted Steel	Aluminum Airstream	SFD	SFB
-20° to 200°F (-29° to 93°C) Standard	✓	✓	✓	✓	✓
201° to 300°F (94° to 149°C) Heat Slinger/Shaft Seal	✓	✓	✓		✓
301° to 400°F (149° to 204°C) Heat Slinger/Shaft Seal		✓	✓		

The maximum continuous operating temperature on the SWB is 400°F. For continuous operating temperatures between 401° and 1000°F use an Arrangement 1, 9 or 10, backward-inclined centrifugal fan model BISW.

High Temperature SWB Features	High Temperature Option	High Temperature Option with UL
Steel Construction	✓	✓
Shaft Seal	✓	✓
Heat Slinger	✓	✓
Weatherhood		✓
UL Label (Power ventilators for smoke control systems)		✓

Spark-Resistant Construction Options

The following AMCA Standards apply to fan applications that may involve the handling of potentially explosive or flammable particles, fumes or vapors.

- **AMCA Type A** - All parts in contact with the airstream are constructed of nonferrous material (aluminum). Model SWB does not meet AMCA Type A Spark Resistant Construction because the shaft is steel.
- **AMCA Type B** - The fan wheel is constructed of nonferrous material (aluminum). A nonferrous (aluminum) rub ring surrounds the fan shaft where it passes through the fan housing.

it passes through the fan housing. Available on all SWB sizes with an aluminum wheel and rub ring.

- **AMCA Type C** - The inlet cone is constructed of nonferrous material (aluminum). A nonferrous (aluminum) rub ring surrounds the fan shaft where it passes through the fan housing.

The constructions listed minimize the potential of ferrous components making contact with each other that may produce sparks. However, they do not guarantee against the potential of producing sparks. The installer must electrically ground all fan and system components.

Options and Accessories



UL/cUL 762 - SWB Series 200 models are listed for grease removal (UL/cUL 762). The UL/cUL 762 option includes a weatherhood, threaded drain connection and bolted access door. Indoor mounting requires the fan to have welded scroll construction.

Weatherhood - Available to completely cover the motor and drive compartments; protecting the shaft, bearings, motor, and drive components from moisture and other adverse weather conditions. Weatherhoods are vented to provide sufficient motor cooling.

Drain Connection - Threaded drain connections can be provided to drain moisture from the bottom of the fan housing.

Grease Trap (SWB Only) - Aluminum trap is designed to collect grease residue and avoid drainage onto roof surface. Disposable grease absorbents are available for easy maintenance.

Access Doors - Access doors provide access for inspection & cleaning. Both bolted or hinged, quick opening access doors are available on all models except SFD.

Welded Scroll Construction - Welded scroll construction is available on SWB Series 200.

Aluminum Construction - Aluminum airstream option is available on SWB Series 200.



Dampers - Gravity or motorized parallel blade backdraft dampers feature sturdy galvanized frames with prepunched mounting holes, aluminum blades with felt edges and balanced design for minimal resistance to airflow. Backdraft dampers are not suitable for downblast or bottom angular downblast discharge positions. The fan must be supplied with a flanged outlet to install a backdraft damper directly to the fan. Heavy-duty dampers are available for high pressure applications on fans with motors equal to or greater than 7½ horsepower.

Disconnect Switches - A wide selection of NEMA rated switches are available for positive electrical shutoff and safety, including: dust-tight, rainproof and corrosion-resistant.

Wiring Pigtail - Allows direct hookup to the power supply eliminating field wiring to the fan.

Extended Lube Lines - Lubrication lines with grease fittings are extended from shaft bearings to the base of the drive frame panel for easy bearing lubrication.



Inlet and Outlet Guards - Constructed of expanded metal mounted in a steel frame to provide protection for non-ducted installations. The guards can be easily removed for maintenance or inspection.

Flanged Inlet and Outlet - Flanges are welded to the fan and are available for damper mounting or flanged duct connections. Inlet flanges have prepunched mounting holes.

Companion Flange - Connects to the inlet or outlet flange and then attaches to the ductwork. Recommended for slip-fit duct connections.

Inlet Vane Dampers (SWB only) - External inlet vane dampers are available on model SWB fans, sizes 112-124 and 212-236. External vanes are mounted on the inlet flange. Inlet vane dampers feature zinc-plated steel blade axles, stainless steel washers and bearings. Vanes can be used for either manual or automatic operation, with controls furnished by others. Maximum operating temperature is 200°F (93°C).



Coatings - A wide variety of coatings and colors are available for decorative to acidic applications on SFB and SWB Series 200. All Greenheck coatings can be found in the Performance Coatings for Commercial and Industrial Fans publication.

Permatector™ is our standard coating. Typically used for applications that require corrosion resistance in indoor and outdoor environments.

Hi-Pro™ Polyester is resistant to salt water, chemical fumes and moisture in more corrosive atmospheres. Typically used for applications requiring superior chemical resistance, excellent abrasion and outdoor UV protection. This coating exceeds protective qualities of Air Dried Heresite and Air Dry Phenolic.

Baked Enamel Decorative Coatings are heat cured enamels applied either as wet paints or electrostatic powders. Customers can choose from 16 standard decorative colors or color match any color.

Heat Slinger and Shaft Seal (all belt models) - Heat Slinger is an aluminum cooling disc mounted on the fan shaft between the inboard bearing and the fan housing. The disc dissipates heat conducted along the fan shaft. The shaft seal with an aluminum rub ring is available for applications where contaminated or high temperature air is being handled.



BELT GUARDS - Sturdy three-sided fabricated steel belt guards provide protection from rotating pulleys and belts. The belt guards meet OSHA requirements.



Vibration Isolators

Base-mounted neoprene or spring isolators are available to lessen mechanical vibration and assure quiet operation. Free-standing, restrained and housed spring isolators are also available. Isolators are sized to match the weight of each fan.



Free-Standing Open Spring Mounts - Type 3, 1-inch Deflection

Free-standing spring isolators are unhoused laterally stable steel springs. They provide a minimum horizontal stiffness of 0.8 times the rated vertical stiffness and provide an additional 50% overload capacity. These isolators are equipped with a top-mounted adjusting bolt and an acoustical non-skid base. Springs are color coded or identified to indicate load capacity.

times the rated vertical stiffness and provide an additional 50% overload capacity. These isolators are equipped with a top-mounted adjusting bolt and an acoustical non-skid base. Springs are color coded or identified to indicate load capacity.



Housed Spring Mounts Type 4B, 1-inch Deflection

Housed spring isolators consist of steel springs assembled into a telescoping housing with a top-mounted adjusting bolt and an acoustical non-skid base. Housed spring isolators

include resilient inserts to prevent metal-to-metal contact and provide snubbing for side loads. Springs provide an additional 50% overload capacity and are color coded or identified to indicate load capacity.

Direct Mount - Type A

No base required. Isolators are attached directly to equipment. Direct isolation can be used if equipment is unitary and rigid without the use of additional support. Direct isolation is not recommended for equipment having large overhung loads (e.g. motors on Arr. 9 fans). If there is any doubt whether or not equipment can be supported directly on isolators, use rails, bases or consult the factory.



Equipment Supports

Models GESS and GESR equipment supports are available for roof mounting of all utility fans. Equipment supports are available in a number of lengths, widths, heights, and can also be built for a pitched roof.



Rubber Mounts - Type 2, 1/4-inch and 1/2-inch Deflection

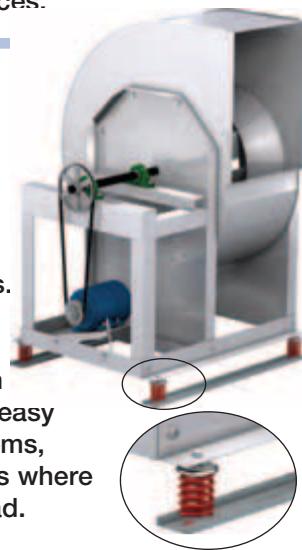
Neoprene mountings consist of a steel top plate and base plate completely embedded in colored (oil-resistant) neoprene for easy identification of capacity. Neoprene mountings are furnished with a tapped hole in the center. This enables the equipment to be bolted securely to the rubber mount.



Restrained Spring Mounts - Type 4A, 1-inch Deflection

Restrained spring isolators consist of laterally stable, free-standing springs assembled into a steel housing. These assemblies

are designed for vertical and horizontal motion restraint. Restrained spring isolators can be used for blocking during equipment installation and are provided with leveling bolts. Springs provide 50% overload capacity and are color coded or identified to indicate load capacity. Restrained spring mounts are recommended for equipment subject to wind loading or large torquing forces.



Mounting Rails with Isolators

Isolation mounting rails are available with 1/4-inch of deflection and either rubber mount, free-standing open or restrained spring isolators. The isolators are mounted between aluminum rails that run the length of the fan base. Isolation rails provide easy installation on isolated systems, and are ideal for applications where there is a large overhung load.



Selection

The first consideration in any fan selection is the amount of air to be moved and the resistance to this air movement. Air volume requirements are established through specific codes or accepted industry standards. Once the air volume is known, system resistance can be determined by summing up the losses through the system components. Duct layout, duct size, coils, filters, dampers, and fan accessories all affect system resistance. ASHRAE Guide and Data Books and manufacturer's data on individual system components are common sources of information available to the system designer.

In most applications, several fans may meet the required airflow and system resistance conditions. An optimum fan selection requires evaluation of alternative fan types and fan sizes, as they relate to initial cost, operating cost, available space, and allowable sound levels. The relative importance of these facts varies with each system.

TWO TYPES OF FANS ARE AVAILABLE:

1. **Backward-inclined utility fans**—turn at twice the speed of forward-curved fans and feature:
 - Higher operating efficiencies
 - A non overloading horsepower curve, which reaches a maximum in the middle of the normal operation range
 - Stronger wheel design allowing for operation at higher static pressures
2. **Forward-curved fans**—typically have lower performance capabilities compared to the backward incline and contain:
 - Overloading type wheel (wheel meaning that changes in performance can result in significant brake horsepower changes)
 - Forward-curved wheels with lower sound levels

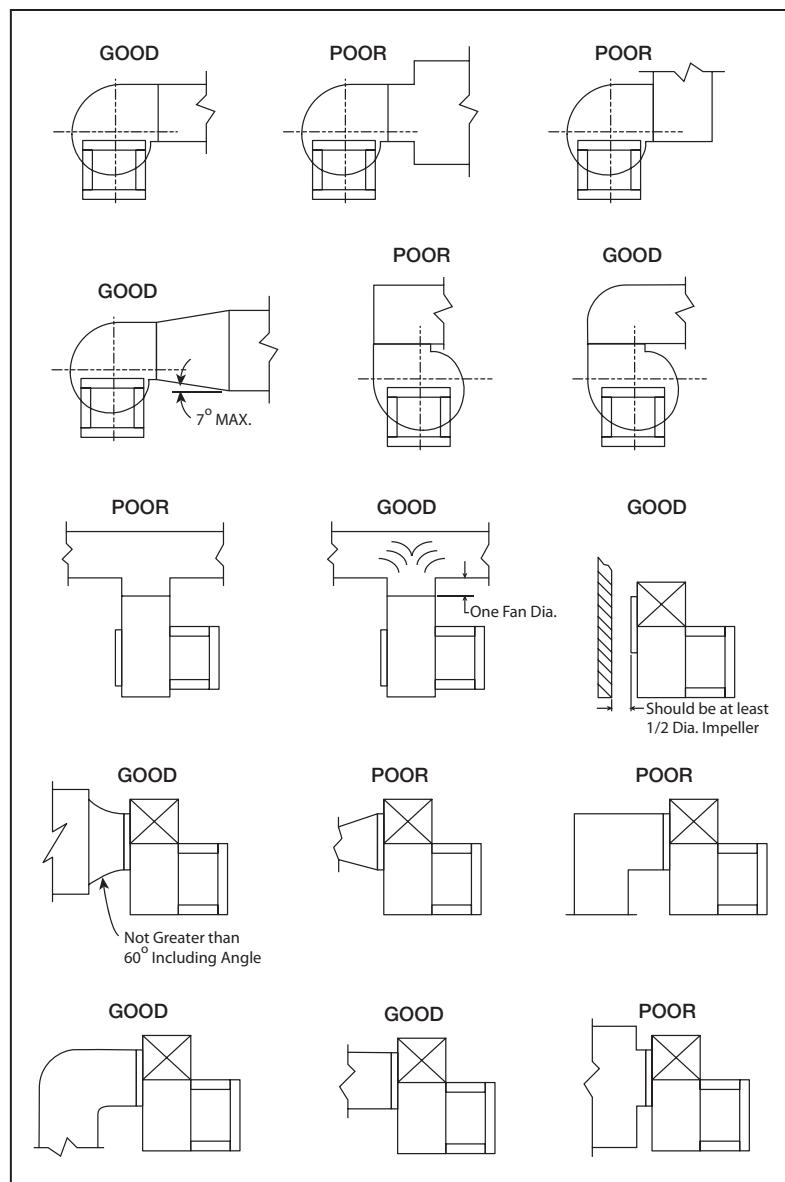
Comprehensive air performance data for these utility fans can be found in the fan tables and fan curves section, starting on page 13.

Effects of Installation on Performance

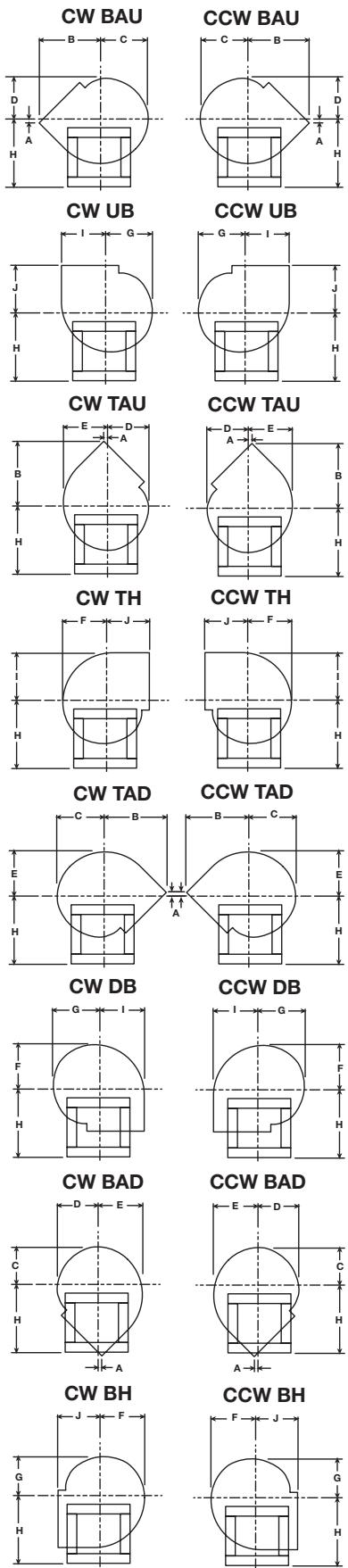
Fan ratings presented in the performance tables and curves of this catalog are in accordance with AMCA Standard 210 "Laboratory Methods of Testing Fans for Aerodynamic Performance Rating." The AMCA test procedure utilizes an open inlet and a straight outlet duct to assure maximum static regain.

Any installation with inlet or discharge configurations that deviate from this standard may result in reduced fan performance. Restricted or unstable flow at the fan inlet can cause prerotation of incoming air or uneven loading of the fan wheel yielding large system losses and increased sound levels. Free discharge or turbulent flow in the discharge ductwork will also result in system effect losses.

The examples below show system layouts and inlet and discharge configurations which can affect fan performance.



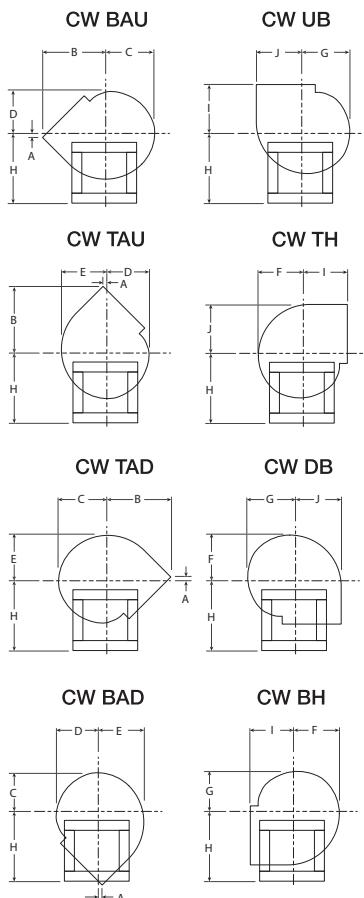
SWB Discharge Position and Dimensional Data



SWB Dimensions										
SWB Size	A	B	C	D	E	F	G	H	I	J
106	1 ⁵ / ₁₆ (49)	14 ¹ / ₈ (359)	9 ¹ / ₄ (235)	7 ¹³ / ₁₆ (198)	10 ³ / ₄ (273)	10 ¹ / ₈ (257)	8 ⁵ / ₈ (219)	15 ¹ / ₈ (384)	11 ¹ / ₂ (292)	8 ⁵ / ₈ (219)
107	1 ⁵ / ₁₆ (49)	14 ¹ / ₈ (359)	9 ¹ / ₄ (235)	7 ¹³ / ₁₆ (198)	10 ³ / ₄ (273)	10 ¹ / ₈ (257)	8 ⁵ / ₈ (219)	15 ¹ / ₈ (384)	11 ¹ / ₂ (292)	8 ⁵ / ₈ (219)
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110	1 ⁵ / ₁₆ (49)	14 ¹ / ₈ (359)	9 ¹ / ₄ (235)	7 ¹³ / ₁₆ (198)	10 ³ / ₄ (273)	10 ¹ / ₈ (257)	8 ⁵ / ₈ (219)	15 ¹ / ₈ (384)	11 ¹ / ₂ (292)	8 ⁵ / ₈ (219)
113	2 ¹¹ / ₁₆ (68)	17 ⁷ / ₈ (448)	11 ¹ / ₄ (298)	9 ⁷ / ₈ (251)	13 ⁵ / ₈ (346)	12 ³ / ₄ (324)	10 ⁷ / ₈ (276)	16 ⁵ / ₈ (422)	14 ⁵ / ₈ (371)	10 ⁵ / ₈ (270)
115	3 ¹ / ₈ (79)	19 ¹ / ₂ (495)	13 ¹ / ₁₆ (332)	11 (279)	15 ¹ / ₈ (384)	14 ¹ / ₈ (359)	12 ¹ / ₈ (308)	18 ¹ / ₂ (470)	16 ¹ / ₄ (413)	11 ⁵ / ₈ (295)
116	3 ¹ / ₂ (89)	21 ¹ / ₄ (540)	14 ⁵ / ₁₅ (364)	12 (305)	16 ¹ / ₁₆ (406)	15 ¹ / ₂ (394)	13 ¹ / ₄ (337)	20 ³ / ₈ (518)	17 ³ / ₄ (451)	12 ¹ / ₂ (318)
118	4 ¹ / ₁₆ (103)	23 ³ / ₈ (594)	15 ¹³ / ₁₆ (402)	13 ¹ / ₄ (337)	18 ⁵ / ₁₆ (465)	17 ¹ / ₈ (435)	14 ⁷ / ₈ (371)	22 ³ / ₈ (568)	19 ⁵ / ₈ (498)	13 ³ / ₄ (349)
120	4 ⁹ / ₁₆ (116)	25 ¹ / ₂ (648)	17 ¹ / ₄ (438)	14 ¹ / ₂ (368)	20 ¹ / ₁₆ (510)	18 ³ / ₄ (476)	16 ¹ / ₈ (410)	24 ¹ / ₂ (622)	21 ¹ / ₂ (546)	14 ⁷ / ₈ (378)
124	5 ¹³ / ₁₆ (402)	30 ¹⁵ / ₁₆ (786)	21 ¹ / ₁₆ (535)	17 ³ / ₄ (451)	24 ⁷ / ₁₆ (621)	22 ⁷ / ₈ (581)	19 ⁹ / ₁₆ (497)	31 ¹ / ₂ (800)	26 ¹ / ₄ (667)	17 ³ / ₄ (451)
206	1 ⁵ / ₁₆ (49)	14 ¹ / ₈ (359)	9 ¹ / ₄ (235)	7 ¹³ / ₁₆ (198)	10 ³ / ₄ (273)	10 ¹ / ₈ (257)	8 ⁵ / ₈ (219)	15 ¹ / ₈ (384)	11 ¹ / ₂ (292)	8 ⁵ / ₈ (219)
207	1 ⁵ / ₁₆ (49)	14 ¹ / ₈ (359)	9 ¹ / ₄ (235)	7 ¹³ / ₁₆ (198)	10 ³ / ₄ (273)	10 ¹ / ₈ (257)	8 ⁵ / ₈ (219)	15 ¹ / ₈ (384)	11 ¹ / ₂ (292)	8 ⁵ / ₈ (219)
208	1 ⁵ / ₁₆ (49)	14 ¹ / ₈ (359)	9 ¹ / ₄ (235)	7 ¹³ / ₁₆ (198)	10 ³ / ₄ (273)	10 ¹ / ₈ (257)	8 ⁵ / ₈ (219)	15 ¹ / ₈ (384)	11 ¹ / ₂ (292)	8 ⁵ / ₈ (219)
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212	2 ⁵ / ₁₆ (59)	16 ¹ / ₈ (410)	10 ¹¹ / ₁₆ (271)	9 (229)	12 ³ / ₈ (314)	11 ¹ / ₈ (295)	9 ¹⁵ / ₁₆ (252)	15 ¹ / ₈ (384)	13 ¹ / ₄ (337)	9 ³ / ₄ (248)
213	2 ¹¹ / ₁₆ (68)	17 ⁷ / ₈ (448)	11 ¹ / ₄ (298)	9 ⁷ / ₈ (251)	13 ⁵ / ₈ (346)	12 ³ / ₄ (324)	10 ⁷ / ₈ (276)	16 ⁵ / ₈ (422)	14 ⁵ / ₈ (371)	10 ⁵ / ₈ (270)
215	3 ¹ / ₈ (79)	19 ¹ / ₂ (495)	13 ¹ / ₁₆ (332)	11 (279)	15 ¹ / ₈ (384)	14 ¹ / ₈ (359)	12 ¹ / ₈ (308)	18 ¹ / ₂ (470)	16 ¹ / ₄ (413)	11 ⁵ / ₈ (295)
216	3 ¹ / ₂ (89)	21 ¹ / ₄ (540)	14 ⁵ / ₁₅ (364)	12 (305)	16 ¹ / ₁₆ (406)	15 ¹ / ₂ (394)	13 ¹ / ₄ (337)	20 ³ / ₈ (518)	17 ³ / ₄ (451)	12 ¹ / ₂ (318)
218	4 ¹ / ₁₆ (103)	23 ³ / ₈ (594)	15 ¹³ / ₁₆ (402)	13 ¹ / ₄ (337)	18 ⁵ / ₁₆ (465)	17 ¹ / ₈ (435)	14 ⁷ / ₈ (371)	22 ³ / ₈ (568)	19 ⁵ / ₈ (498)	13 ³ / ₄ (349)
220	4 ⁹ / ₁₆ (116)	25 ¹ / ₂ (648)	17 ¹ / ₄ (438)	14 ¹ / ₂ (368)	20 ¹ / ₁₆ (510)	18 ³ / ₄ (476)	16 ¹ / ₈ (410)	24 ¹ / ₂ (622)	21 ¹ / ₂ (546)	14 ⁷ / ₈ (378)
222	5 ⁵ / ₁₆ (132)	28 ¹ / ₁₆ (713)	19 ¹ / ₁₆ (484)	16 (562)	22 ⁷ / ₈ (524)	20 ⁵ / ₈ (449)	17 ¹¹ / ₁₆ (449)	28 ⁴ / ₈ (730)	23 ³ / ₄ (603)	16 ¹ / ₄ (413)
224	5 ¹³ / ₁₆ (402)	30 ¹⁵ / ₁₆ (786)	21 ¹ / ₁₆ (535)	17 ³ / ₄ (451)	24 ⁷ / ₁₆ (621)	22 ⁷ / ₈ (581)	19 ⁹ / ₁₆ (497)	31 ¹ / ₂ (800)	26 ¹ / ₄ (667)	17 ³ / ₄ (451)
227	5 (127)	28 ¹ / ₁₆ (713)	19 ¹ / ₁₆ (484)	16 (406)	22 ⁷ / ₈ (562)	20 ⁵ / ₈ (524)	17 ¹¹ / ₁₆ (449)	28 ⁴ / ₈ (730)	23 ³ / ₄ (603)	16 ¹ / ₄ (413)
230	6 ⁵ / ₈ (168)	38 ¹ / ₈ (968)	25 (635)	21 ¹ / ₈ (537)	29 (737)	27 ¹ / ₄ (692)	23 ¹ / ₄ (591)	36 ⁵ / ₈ (930)	31 ³ / ₈ (797)	21 ¹ / ₂ (546)
233	7 ¹ / ₄ (184)	42 (1067)	27 (686)	23 (584)	32 ³ / ₈ (822)	30 ¹ / ₄ (768)	25 ¹³ / ₁₆ (656)	40 ⁴ / ₁ (1022)	35 (889)	25 (635)
236	8 (203)	46 ³ / ₈ (1178)	30 ⁴ (781)	25 ⁵ / ₈ (651)	35 (889)	32 ⁷ / ₈ (835)	28 ¹ / ₁₆ (713)	44 ¹ / ₂ (1130)	38 ⁵ / ₈ (981)	27 ¹ / ₄ (692)

All dimensions in inches (millimeters).

SFD and SFB Discharge Positions and Dimensional Data



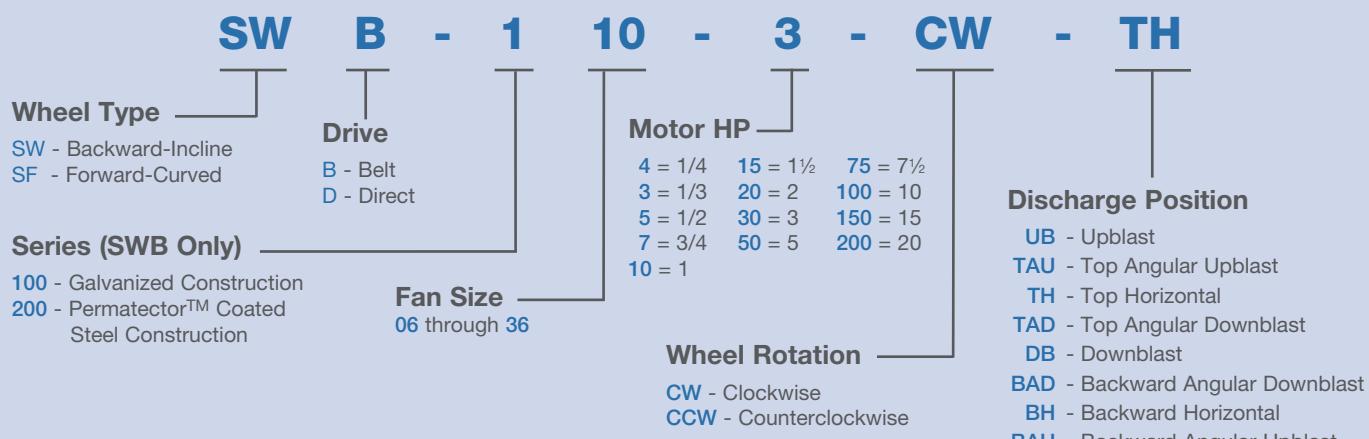
SFD Dimensions										
Unit Size	A	B	C	D	E	F	G	H	I	J
SFD-6	1 1/16 (27)	8 7/16 (214)	5 5/16 (141)	4 3/4 (121)	6 1/2 (165)	6 1/16 (154)	5 3/16 (132)	9 (230)	5 1/4 (133)	7 (178)
SFD-7.5	1 1/4 (32)	10 1/4 (260)	6 13/16 (173)	5 13/16 (148)	7 3/4 (197)	7 1/4 (184)	6 1/4 (159)	9 9/16 (245)	6 3/4 (171)	8 1/2 (216)
SFD-9	1 5/16 (33)	11 13/16 (300)	7 3/4 (197)	6 1/2 (165)	8 15/16 (227)	8 5/16 (211)	7 3/16 (183)	10 7/9 (274)	7 1/2 (191)	9 1/2 (241)
SFD-10	1 15/16 (49)	14 (356)	9 1/4 (235)	7 13/16 (198)	10 9/16 (273)	10 1/16 (256)	8 1/2 (216)	12 3/4 (324)	8 1/2 (216)	11 1/2 (292)

SFB Dimensions										
Unit Size	A	B	C	D	E	F	G	H	I	J
SFB-9	1 1/8 (35)	12 1/16 (322)	8 1/4 (210)	7 (178)	9 1/2 (241)	8 15/16 (227)	7 5/8 (194)	13 5/16 (350)	8 (203)	10 1/4 (260)
SFB-10	1 7/16 (37)	14 1/2 (368)	9 5/16 (237)	7 13/16 (198)	10 9/16 (273)	10 1/16 (256)	8 9/16 (217)	15 1/6 (385)	9 1/4 (235)	11 1/2 (292)
SFB-12	2 1/4 (57)	16 (406)	10 11/16 (271)	9 1/16 (230)	12 8/16 (314)	11 1/16 (294)	9 7/8 (251)	15 1/6 (385)	9 3/4 (248)	13 3/4 (337)
SFB-15	2 11/16 (68)	17 7/16 (446)	11 13/16 (300)	9 15/16 (252)	13 11/16 (348)	12 11/16 (322)	10 1/8 (276)	16 3/4 (426)	10 5/8 (270)	14 3/4 (371)
SFB-18	4 1/16 (103)	23 3/8 (594)	15 15/16 (402)	13 1/4 (337)	18 5/16 (465)	17 1/8 (435)	14 1/8 (371)	22 1/3 (567)	13 3/4 (349)	19 3/8 (498)
SFB-20	4 9/16 (116)	25 1/2 (648)	17 1/4 (438)	14 1/2 (368)	20 1/16 (510)	18 3/4 (476)	16 1/16 (408)	24 9/16 (621)	14 7/8 (378)	21 1/2 (546)
SFB-22	5 5/16 (135)	28 (711)	19 1/16 (484)	16 (406)	22 1/8 (562)	20 3/4 (527)	17 11/16 (449)	28 9/16 (723)	16 (406)	23 3/4 (603)
SFB-25	6 1/16 (154)	30 11/16 (779)	21 1/16 (535)	17 3/4 (451)	24 7/16 (621)	22 7/8 (581)	19 9/16 (497)	31 3/5 (803)	17 1/2 (445)	26 1/4 (667)
SFB-27	5 (127)	34 (864)	22 (559)	19 (483)	26 1/2 (673)	24 1/2 (622)	20 7/8 (530)	33 (838)	18 7/8 (479)	28 3/4 (730)
SFB-30	6 3/8 (168)	38 1/8 (968)	25 (635)	21 1/8 (537)	29 (737)	27 1/4 (692)	23 1/4 (591)	36 3/8 (930)	21 (533)	31 1/8 (803)

All dimensions in inches (*millimeters*).

Model Number Code

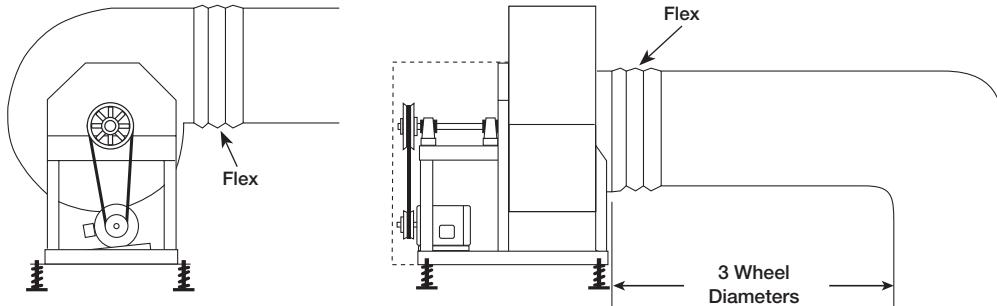
The model number code is designed to completely identify the fan. The correct code letters must be specified to designate the correct construction. The remainder of the model number is determined by the size and performance.



SFD, SFB and SWB

General Clean Air or Fume Hood (Non-Grease)

The SFD, SFB and SWB are designed for applications ranging from clean air to contaminated air. Typical installations are shown below. Installations must include a means for inspecting, cleaning and servicing the exhaust fan.



SWB

Model SWB Series 100 and 200 are designed for supply, exhaust and return air applications. Tests were conducted to assure safe, rugged and reliable fans capable of withstanding severe conditions.

Due to the varying airstreams encountered in commercial ventilation, system designers must be aware of national, state and local codes and guidelines governing these installations.

SWB, Commercial Kitchen (Grease)

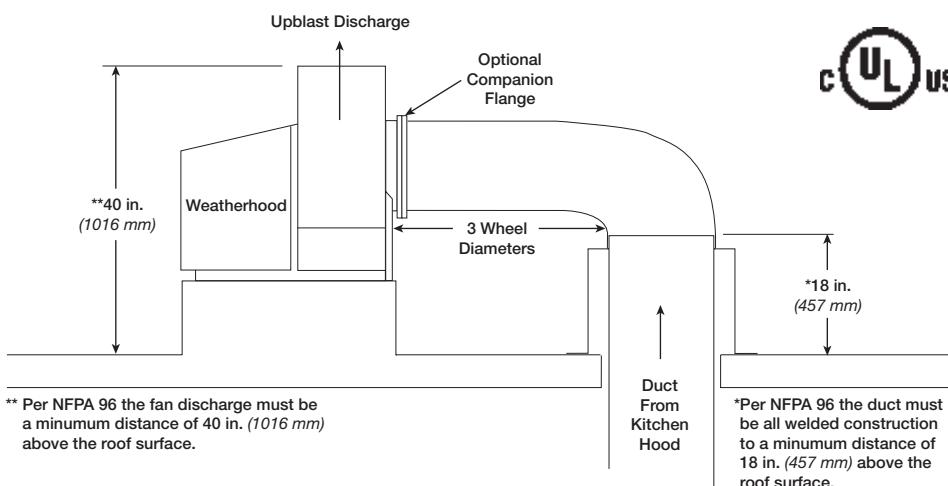
Greenheck's SWB Series 200 are designed to meet restaurant and foodservice applications. These fans are UL and cUL Listed for grease removal and have been tested under elevated temperature conditions.

Due to high temperatures and grease-laden airstreams in commercial kitchen ventilation, system designers must be aware of governing codes and guidelines. The National Fire Protection Association (NFPA) is the primary source used by many local codes for commercial kitchen ventilation systems. Local code authorities should be consulted before proceeding with any kitchen ventilation project.

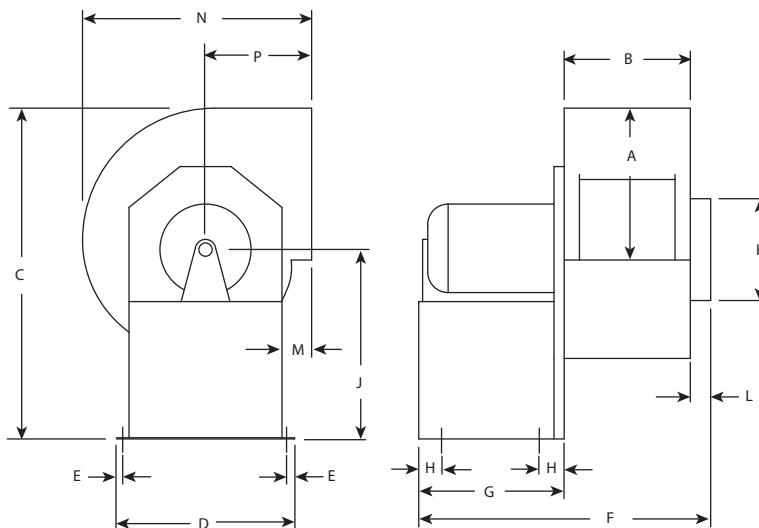
Installation must include a means for inspecting, cleaning and servicing the exhaust fan.

Fans selected for grease removal must include a weatherhood, bolted access door and 1-inch (25 mm) drain connection. For grease applications where the fan is mounted indoors, the welded scroll option must be selected. An outlet guard is strongly recommended when the fan discharge is accessible. When an outlet guard is not ordered with the fan, it must be provided by the installer. An upblast discharge is recommended. No dampers are to be used in the system.

The fan discharge must be a minimum of 40 inches (1016 mm) above the roof line and the exhaust duct must be fully welded to a minimum distance of 18 inches (457 mm) above the roof surface.



SWB Series 200 models are listed for grease removal (UL/cUL 762). File no. MH11745



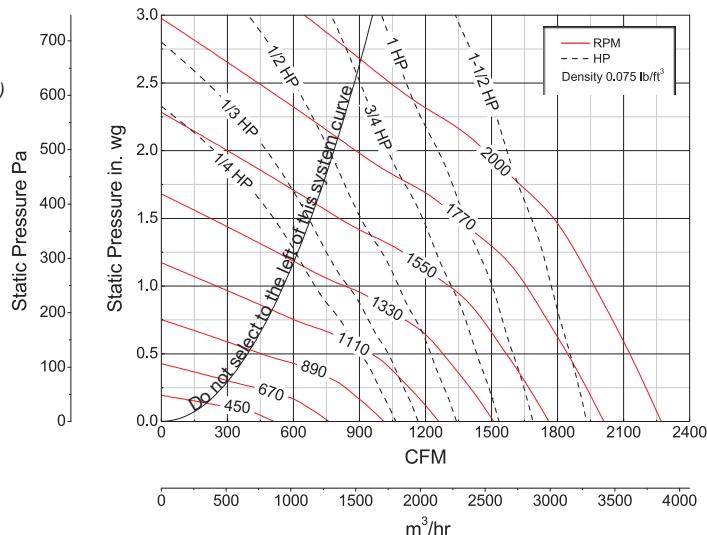
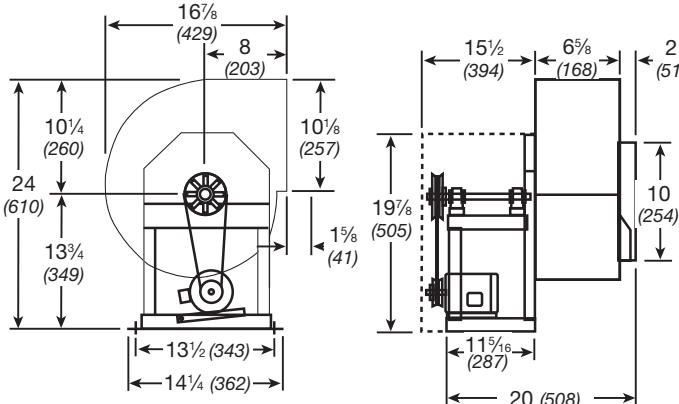
DIMENSIONAL DATA

Model SFD	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Max. Motor Frame Size	*Unit Weight
6	7 $\frac{3}{8}$ (187)	5 $\frac{1}{4}$ (133)	16 (406)	11 (279)	5/8 (16)	14 $\frac{1}{16}$ (373)	8 $\frac{3}{16}$ (208)	1 $\frac{1}{16}$ (27)	9 $\frac{1}{16}$ (230)	6 (152)	1 $\frac{1}{4}$ (32)	7/8 (22)	11 $\frac{1}{4}$ (286)	5 $\frac{3}{16}$ (132)	56	30 (14)
7.5	9 (229)	5 $\frac{1}{4}$ (133)	18 $\frac{1}{16}$ (459)	12 $\frac{1}{4}$ (311)	5/8 (16)	14 $\frac{1}{16}$ (364)	8 $\frac{1}{16}$ (206)	1 $\frac{1}{16}$ (27)	9 $\frac{1}{16}$ (244)	8 (203)	1 $\frac{1}{4}$ (32)	1 $\frac{1}{8}$ (29)	13 $\frac{1}{16}$ (348)	6 $\frac{3}{16}$ (162)	56	40 (18)
9	10 $\frac{1}{8}$ (257)	6 $\frac{1}{4}$ (159)	20 $\frac{5}{16}$ (516)	13 $\frac{3}{4}$ (349)	5/8 (16)	17 $\frac{1}{16}$ (454)	10 $\frac{1}{16}$ (264)	1 $\frac{1}{16}$ (27)	10 $\frac{1}{4}$ (273)	10 (254)	1 $\frac{1}{4}$ (32)	1 $\frac{1}{8}$ (35)	15 $\frac{1}{16}$ (402)	7 $\frac{7}{16}$ (189)	145T	75 (34)
10	12 $\frac{1}{8}$ (308)	6 $\frac{3}{4}$ (171)	24 $\frac{5}{16}$ (618)	16 $\frac{1}{4}$ (413)	9/16 (14)	19 $\frac{1}{16}$ (492)	11 $\frac{1}{8}$ (289)	1 $\frac{1}{16}$ (27)	12 $\frac{1}{4}$ (324)	12 (305)	1 $\frac{1}{4}$ (32)	1 $\frac{1}{8}$ (35)	18 $\frac{1}{8}$ (473)	8 $\frac{1}{2}$ (216)	184T	113 (51)

All dimensions in inches (millimeters) and weight in pounds (kilograms). *Approximate unit weight with largest frame size motor (60 Hz).

Model Number	Motor HP	Fan RPM		Static Pressure in Inches wg									
				0.125	0.25	0.375	0.5	0.75	1	1.25	1.5	2	2.5
SFD-6-6B	1/6	1140	CFM	407	338	232							
			BHP	0.06	0.05	0.03							
			Sones	6.7	6.0	4.7							
SFD-6-4A	1/4	1725	CFM	667	628	585	541	424					
			BHP	0.24	0.22	0.20	0.17	0.13					
			Sones	13.6	12.8	12.3	11.7	10.5					
SFD-7.5-6B	1/6	1140	CFM	672	612	549	467						
			BHP	0.16	0.14	0.13	0.10						
			Sones	10.6	9.8	9.4	8.6						
SFD-7.5-5A	1/2	1725	CFM	1062	1028	988	949	869	775	636			
			BHP	0.59	0.56	0.53	0.50	0.46	0.38	0.30			
			Sones	20	18.6	16.8	15.8	14.1	12.7	11.3			
SFD-9-4C	1/4	860	CFM	839	748	645	487						
			BHP	0.18	0.15	0.12	0.09						
			Sones	9.2	7.8	7.0	6.6						
SFD-9-5B	1/2	1140	CFM	1159	1097	1028	957	782					
			BHP	0.46	0.42	0.38	0.34	0.26					
			Sones	16.1	14.9	14.3	13.6	12.3					
SFD-9-15A	1 $\frac{1}{2}$	1725	CFM	1806	1765	1725	1683	1595	1502	1407	1298	989	
			BHP	1.64	1.59	1.54	1.48	1.36	1.24	1.13	1.01	0.70	
			Sones	31	29	28	27	25	22	21	21	19.3	
SFD-10-3C	1/3	860	CFM	1259	1176	1085	965						
			BHP	0.36	0.32	0.29	0.25						
			Sones	12.3	11.3	10.0	9.2						
SFD-10-7B	3/4	1140	CFM	1713	1653	1592	1528	1378	1163				
			BHP	0.86	0.82	0.77	0.72	0.64	0.52				
			Sones	19.4	18.5	17.6	17.0	15.7	13.9				
SFD-10-30A	3	1725	CFM	2641	2603	2564	2525	2444	2362	2275	2179	1942	1621
			BHP	3.03	2.98	2.93	2.87	2.73	2.60	2.44	2.32	2.01	1.62
			Sones	39	37	36	35	33	31	30	29	27	25

Performance certified is for installation Type B - Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Wheel Diameter = 9 1/2" (241)

Shaft Diameter = 3/4" (19)

Outlet Area = 0.454 ft² (.042m²)

[^]Approximate Unit Weight = 120 lb. (54 kg)

All dimensions in inches (millimeters)

For additional discharge positions see page 11

[^]Weight shown is largest catalogued Open Drip Proof motor

Maximum BHP at given RPM = (RPM/1747)³

Maximum RPM = 2000 and Minimum RPM = 450

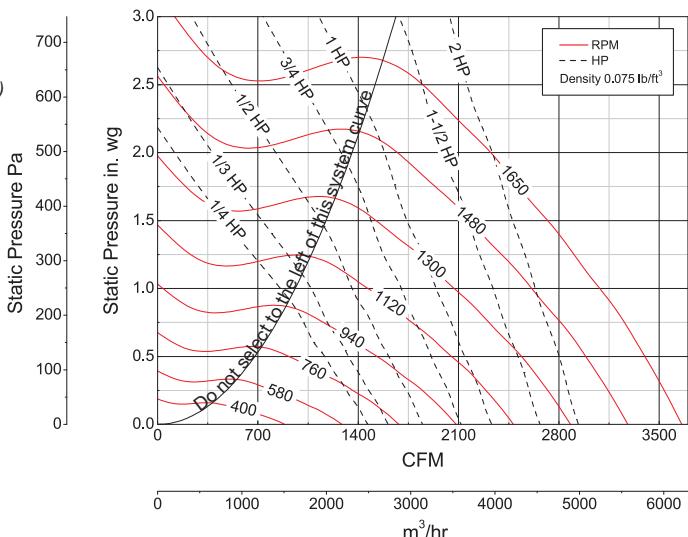
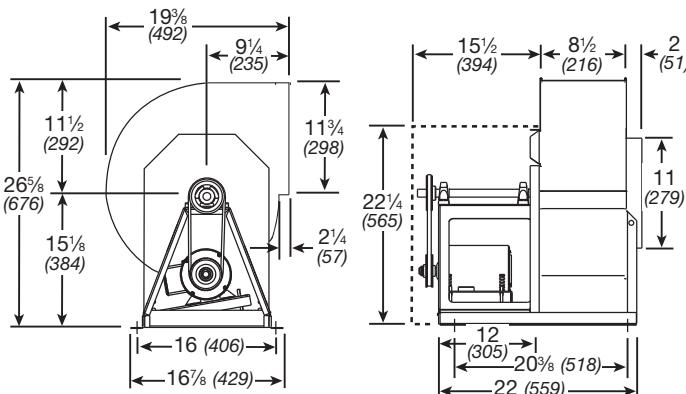
Tip Speed (ft/min.) = 2.49 x RPM

Maximum Motor Frame Size = 145T

Model Number	CFM	OV		Static Pressure in Inches wg									
				0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5
SFB-9	360	792	RPM	644									
			BHP	0.03									
			Sones	6.3									
	460	1013	RPM	681	891								
			BHP	0.05	0.08								
			Sones	6.8	11.0								
	560	1233	RPM	728	930	1090	1225						
			BHP	0.07	0.11	0.15	0.19						
			Sones	7.5	10.8	10.1	10.3						
	660	1453	RPM	780	966	1129	1264	1382					
			BHP	0.09	0.14	0.18	0.23	0.28					
			Sones	8.5	10.7	10.3	10.6	11.0					
	760	1674	RPM	838	1013	1166	1303	1422	1528	1628			
			BHP	0.13	0.18	0.23	0.28	0.34	0.39	0.44			
			Sones	9.8	10.6	10.7	11.0	11.8	13.2	14.5			
	860	1894	RPM	909	1064	1207	1340	1461	1568	1667	1758	1845	
			BHP	0.17	0.23	0.28	0.34	0.40	0.46	0.52	0.58	0.64	
			Sones	11.1	10.9	11.1	11.4	12.6	14.0	15.4	17.0	18.6	
	960	2114	RPM	983	1118	1256	1378	1498	1608	1706	1798	1883	1965
			BHP	0.23	0.28	0.34	0.40	0.47	0.54	0.61	0.68	0.75	0.82
			Sones	11.1	11.5	11.8	12.1	13.4	14.9	16.4	18.0	19.7	21
	1060	2334	RPM	1059	1174	1306	1426	1534	1644	1745	1837	1923	
			BHP	0.30	0.35	0.42	0.49	0.55	0.63	0.71	0.78	0.86	
			Sones	12.0	12.2	12.6	13.2	14.3	15.8	17.5	19.1	21	
	1260	2775	RPM	1216	1318	1417	1528	1631	1728	1818	1911	1999	
			BHP	0.48	0.54	0.61	0.69	0.77	0.84	0.92	1.01	1.10	
			Sones	14.2	14.3	14.6	15.7	16.8	18.1	19.5	21	23	
	1360	2995	RPM	1297	1392	1482	1583	1682	1777	1866	1949		
			BHP	0.59	0.66	0.72	0.81	0.89	0.98	1.06	1.14		
			Sones	15.7	15.7	16.1	17.0	18.1	19.5	21	22		
	1460	3215	RPM	1378	1468	1554	1639	1736	1827	1915	1998		
			BHP	0.71	0.79	0.86	0.94	1.03	1.13	1.22	13.31		
			Sones	17.3	17.2	17.6	18.3	19.6	21	22	24		

Performance certified is for installation Type B - Free inlet, Ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SFB-10 - Belt Drive



Wheel Diameter = 10 5/8 (270)

Shaft Diameter = 3/4 (19)

Outlet Area = 0.705 ft² (.065m²)

^Approximate Unit Weight = 130 lb. (59 kg)

All dimensions in inches (millimeters)

For additional discharge positions see page 11

^Weight shown is largest catalogued Open Drip Proof motor

Maximum BHP at given RPM = $(RPM/1310)^3$

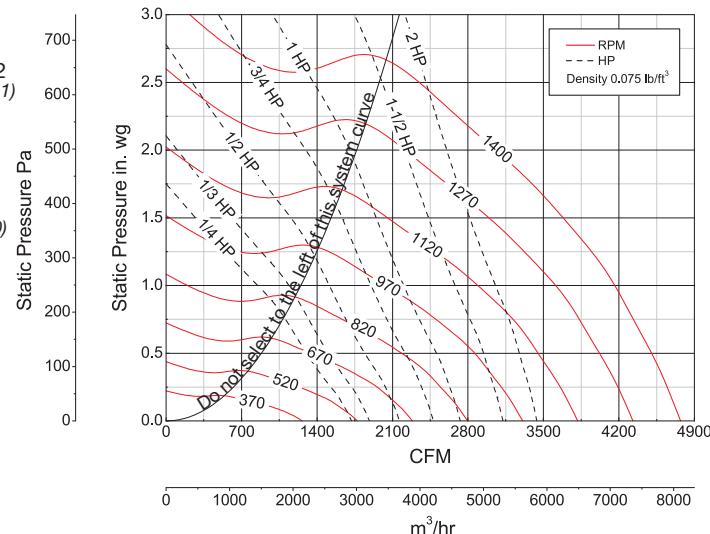
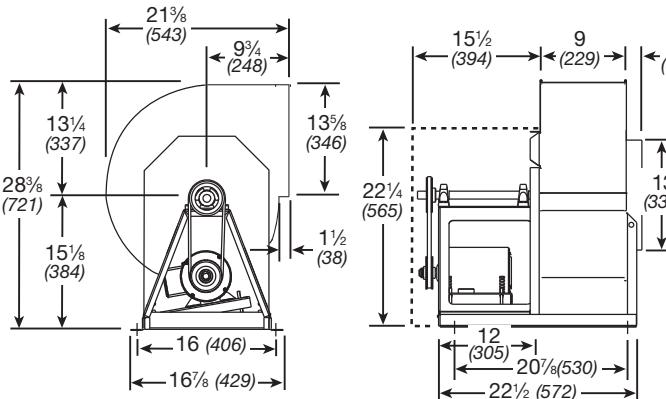
Maximum RPM = 1650 and Minimum RPM = 400

Tip Speed (ft/min.) = 2.78 x RPM

Maximum Motor Frame Size = 145T

Model Number	CFM	OV		Static Pressure in Inches wg									
				0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5
SFB-10	600	851	RPM	526									
			BHP	0.05									
			Sones	5.6									
	790	1121	RPM	575	730								
			BHP	0.08	0.12								
			Sones	6.2	9.1								
	980	1390	RPM	633	777	897	1013						
			BHP	0.13	0.18	0.23	0.30						
			Sones	7.1	10.3	10.3	10.2						
	1170	1660	RPM	693	828	944	1045	1144					
			BHP	0.19	0.25	0.32	0.38	0.45					
			Sones	8.3	10.7	10.3	10.6	10.9					
	1360	1930	RPM	760	887	994	1092	1181	1263	1349	1430		
			BHP	0.27	0.35	0.42	0.50	0.57	0.64	0.73	0.81		
			Sones	9.9	10.7	10.7	11.0	11.3	12.0	13.3	14.7		
	1550	2199	RPM	828	946	1049	1142	1229	1309	1383	1456	1531	1603
			BHP	0.37	0.46	0.54	0.63	0.73	0.81	0.89	0.97	1.02	1.17
			Sones	11.1	11.0	11.3	11.6	12.0	13.0	14.2	15.5	17.0	18.7
	1740	2469	RPM	898	1009	1109	1196	1279	1357	1430	1499	1564	1629
			BHP	0.50	0.60	0.70	0.79	0.89	1.00	1.09	1.18	1.27	1.37
			Sones	11.4	11.7	12.1	12.4	13.1	14.2	15.5	16.8	18.1	19.9
	1930	2739	RPM	973	1077	1169	1256	1332	1407	1479	1546	1611	
			BHP	0.66	0.77	0.87	0.99	1.08	1.20	1.32	1.43	1.53	
			Sones	12.4	12.7	13.0	13.6	14.5	15.6	16.8	18.1	19.8	
	2120	3008	RPM	1050	1145	1232	1316	1393	1461	1529	1596		
			BHP	0.85	0.97	1.09	1.21	1.33	1.43	1.56	1.69		
			Sones	13.8	13.9	14.1	15.0	16.0	17.1	18.3	19.8		
	2310	3278	RPM	1128	1214	1299	1376	1452	1522	1585	1647		
			BHP	1.08	1.21	1.34	1.46	1.59	1.72	1.84	1.97		
			Sones	15.3	15.2	15.6	16.5	17.6	18.8	20	22		
	2500	3548	RPM	1207	1285	1368	1441	1512	1581	1645			
			BHP	1.36	1.48	1.63	1.76	1.90	2.04	2.18			
			Sones	17.1	16.9	17.4	18.3	19.4	21	22			

Performance certified is for installation Type B - Free inlet, Ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.



Wheel Diameter = 12 $\frac{5}{8}$ (321)

Shaft Diameter = 3/4 (19)

Outlet Area = 0.856 ft² (.08m²)

^Approximate Unit Weight = 147 lb. (67 kg)

All dimensions in inches (millimeters)

For additional discharge positions see page 11

^Weight shown is largest cataloged Open Drip Proof motor

Maximum BHP at given RPM = (RPM/1111)³

Maximum RPM = 1400 and Minimum RPM = 370

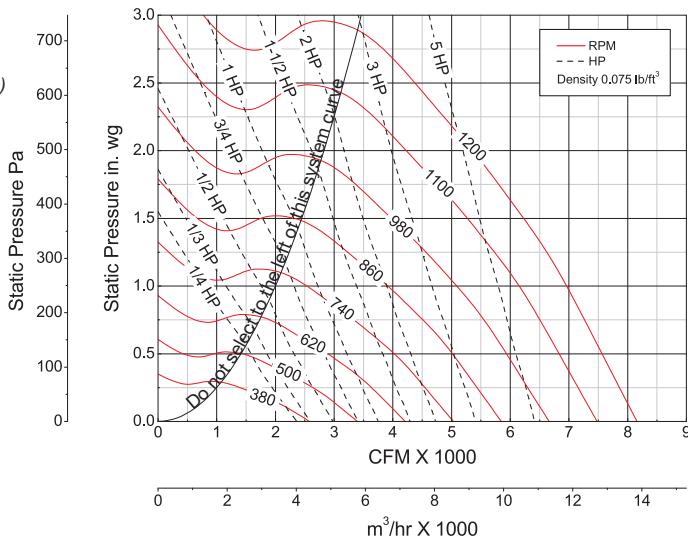
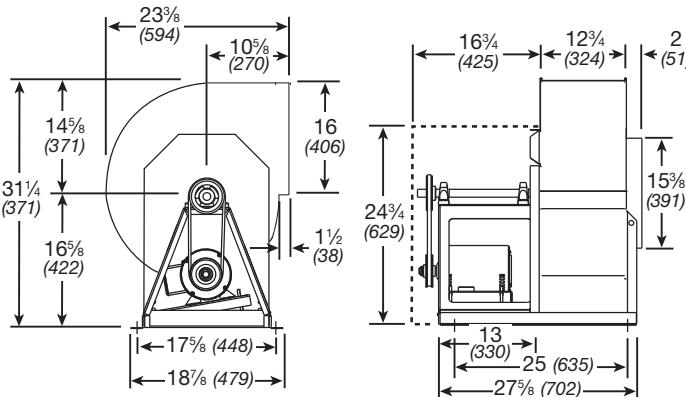
Tip Speed (ft/min.) = 3.30 x RPM

Maximum Motor Frame Size = 145T

Model Number	CFM	OV		Static Pressure in Inches wg									
				0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5
SFB-12	825	964	RPM	455									
			BHP	0.07									
			Sones	5.7									
	1065	1244	RPM	493	631								
			BHP	0.12	0.18								
			Sones	6.3	9.3								
	1305	1525	RPM	533	665	773	871						
			BHP	0.18	0.25	0.33	0.40						
			Sones	7.1	10.2	10.3	10.5						
	1545	1805	RPM	580	703	806	897	983	1061				
			BHP	0.26	0.35	0.43	0.52	0.62	0.71				
			Sones	8.2	10.5	10.6	11.0	11.3	12.0				
	1785	2086	RPM	632	743	844	931	1010	1087	1158	1225		
			BHP	0.36	0.47	0.57	0.67	0.77	0.88	0.99	1.09		
			Sones	9.6	10.7	11.1	11.5	11.8	13.0	14.4	16.0		
	2025	2367	RPM	686	789	883	969	1045	1116	1185	1251	1313	1373
			BHP	0.49	0.61	0.74	0.85	0.96	1.07	1.19	1.32	1.44	1.56
			Sones	11.0	11.4	11.8	12.2	12.7	14.0	15.5	17.0	18.6	20
	2265	2647	RPM	747	837	925	1008	1083	1152	1217	1278	1340	1399
			BHP	0.67	0.79	0.93	1.06	1.19	1.31	1.44	1.56	1.70	1.84
			Sones	11.8	12.2	12.6	12.9	13.9	15.2	16.6	18.1	19.8	22
	2505	2928	RPM	809	889	971	1048	1122	1190	1254	1314	1370	
			BHP	0.88	1.00	1.15	1.30	1.45	1.59	1.73	1.87	2.00	
			Sones	13.0	13.2	13.5	14.1	15.3	16.6	17.9	19.5	21	
	2745	3208	RPM	873	943	1019	1093	1162	1230	1292	1351		
			BHP	1.13	1.26	1.41	1.58	1.75	1.91	2.06	2.21		
			Sones	14.5	14.4	14.6	15.6	16.7	18.0	19.5	21		
	2985	3489	RPM	937	1001	1071	1140	1205	1270	1331	1390		
			BHP	1.43	1.56	1.72	1.90	2.08	2.26	2.44	2.60		
			Sones	16.1	15.8	16.2	17.1	18.2	19.6	21	23		
	3225	3769	RPM	1002	1062	1124	1188	1252	1312	1371			
			BHP	1.77	1.92	2.08	2.26	2.46	2.66	2.85			
			Sones	17.8	17.4	17.8	18.7	19.9	21	23			

Performance certified is for installation Type B - Free inlet, Ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SFB-15 - Belt Drive



Wheel Diameter = 15 (381)

Shaft Diameter = 1 (25)

Outlet Area = 1.39 ft² (.129m²)

Mounting Hole Size = 1/2 (13)

^Approximate Unit Weight = 214 lb. (97 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 11

^Weight shown is largest catalogued Open Drip Proof motor

Maximum BHP at given RPM = (RPM/720)³

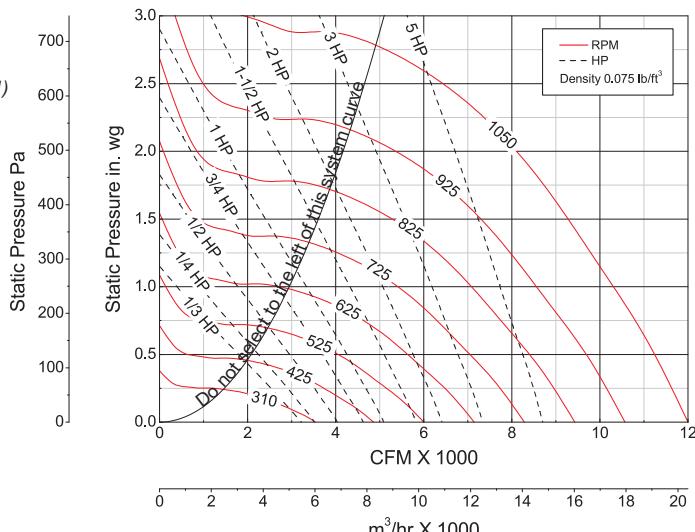
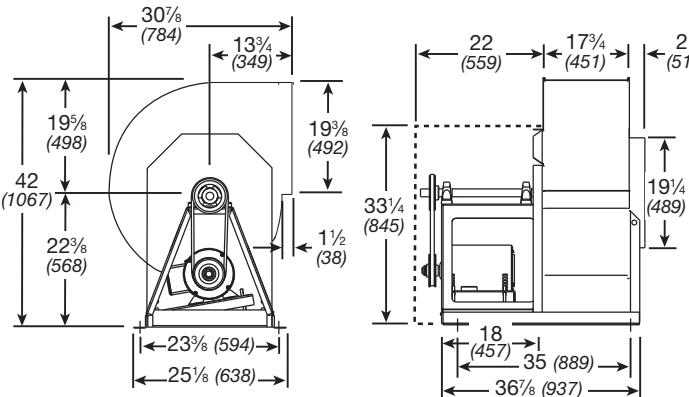
Maximum RPM = 1200 and Minimum RPM = 380

Tip Speed (ft/min.) = 3.93 x RPM

Maximum Motor Frame Size = 184T

Model Number	CFM	OV		Static Pressure in Inches wg									
				0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.5	2.75
SFB-15	1560	1125	RPM	395	508								
			BHP	0.16	0.25								
			Sones	6.0	8.1								
	1860	1342	RPM	421	529	619							
			BHP	0.23	0.33	0.43							
			Sones	7.5	8.8	9.4							
	2160	1558	RPM	450	554	638	716						
			BHP	0.32	0.44	0.55	0.67						
			Sones	9.9	9.6	10.3	11.2						
	2460	1775	RPM	481	580	663	734	803	865				
			BHP	0.42	0.56	0.70	0.83	0.97	1.09				
			Sones	10.9	10.6	11.4	12.0	13.4	15.2				
	2760	1991	RPM	514	608	688	759	822	884	941			
			BHP	0.56	0.71	0.87	1.03	1.17	1.32	1.47			
			Sones	11.5	11.9	12.3	12.8	14.0	15.6	17.2			
	3060	2208	RPM	549	637	715	784	846	903	959	1013		
			BHP	0.72	0.89	1.07	1.24	1.41	1.57	1.74	1.90		
			Sones	12.7	13.5	13.2	13.5	14.6	16.0	17.5	19.0		
	3360	2424	RPM	585	668	742	810	871	928	980	1031	1128	1174
			BHP	0.91	1.11	1.29	1.49	1.68	1.87	2.04	2.22	2.58	2.75
			Sones	14.1	14.9	14.0	14.1	15.0	16.5	17.9	19.4	22	24
	3660	2641	RPM	623	701	772	837	897	953	1005	1053	1147	1192
			BHP	1.14	1.35	1.56	1.76	1.98	2.18	2.39	2.58	2.98	3.17
			Sones	15.9	16.0	14.7	14.7	15.4	17.0	18.6	20	23	24
	3960	2857	RPM	662	734	802	865	924	979	1030	1078	1166	
			BHP	1.41	1.63	1.86	2.07	2.31	2.54	2.76	2.98	3.40	
			Sones	17.8	17.3	15.9	15.4	16.3	17.7	19.3	21	23	
	4260	3074	RPM	701	768	834	895	951	1005	1056	1103	1191	
			BHP	1.71	1.95	2.20	2.44	2.67	2.93	3.17	3.41	3.88	
			Sones	18.9	18.6	17.2	16.6	17.6	18.9	20	22	24	
	4560	3290	RPM	742	804	867	925	980	1032	1082	1129		
			BHP	2.06	2.32	2.59	2.85	3.09	3.35	3.63	3.89		
			Sones	20	19.8	18.8	18.4	19.2	20	22	23		

Performance certified is for installation Type B - Free inlet, Ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.



Wheel Diameter = 18 1/8 (460)

Shaft Diameter = 1 (25)

Outlet Area = 2.29 ft² (.213m²)

Mounting Hole Size = 1/2 (13)

^Approximate Unit Weight = 265 lb. (120 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 11

^Weight shown is largest catalogued Open Drip Proof motor

Maximum BHP at given RPM = (RPM/614)³

Maximum RPM = 1050 and Minimum RPM = 310

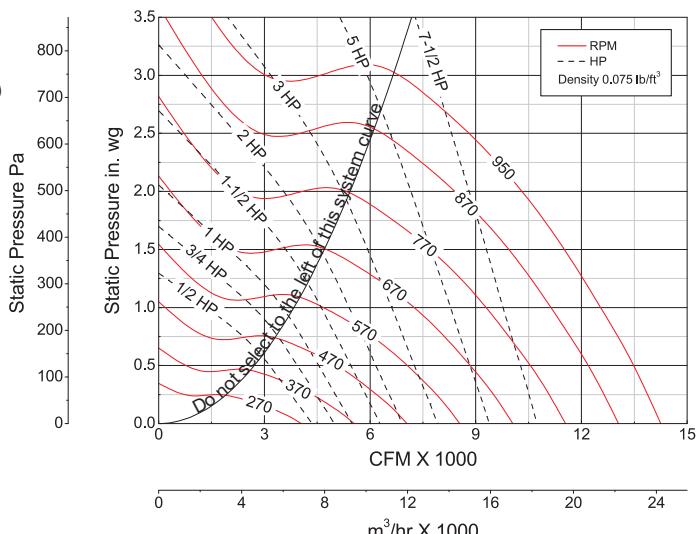
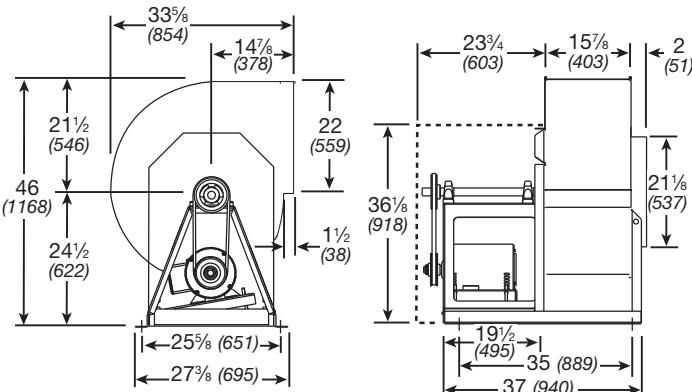
Tip Speed (ft/min.) = 4.75 x RPM

Maximum Motor Frame Size = 184T

Model Number	CFM	OV		Static Pressure in Inches wg									
				0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5
SFB-18	2725	1188	RPM	364	464	550							
			BHP	0.29	0.44	0.60							
			Sones	8.4	9.2	10.2							
	3150	1374	RPM	388	481	563	635						
			BHP	0.39	0.56	0.74	0.93						
			Sones	10.3	10.1	11.2	12.6						
	3575	1559	RPM	415	500	578	648	712					
			BHP	0.52	0.70	0.90	1.11	1.33					
			Sones	11.1	11.3	12.2	13.4	15.5					
	4000	1744	RPM	444	524	596	662	725	782	836			
			BHP	0.68	0.89	1.10	1.32	1.56	1.80	2.03			
			Sones	12.0	13.1	13.1	14.0	15.8	17.7	19.5			
	4425	1930	RPM	473	548	615	680	738	795	848	898	943	
			BHP	0.87	1.09	1.32	1.57	1.81	2.08	2.34	2.60	2.86	
			Sones	13.6	14.7	14.0	14.4	15.9	17.8	19.7	21	23	
	4850	2115	RPM	503	573	638	698	756	809	861	910	957	1001
			BHP	1.09	1.34	1.59	1.85	2.12	2.38	2.68	2.97	3.26	3.54
			Sones	15.5	15.8	14.8	14.8	16.2	18.1	20	22	24	25
	5275	2300	RPM	534	601	662	719	774	826	875	923	970	1013
			BHP	1.36	1.63	1.90	2.17	2.46	2.75	3.04	3.35	3.67	3.99
			Sones	17.7	17.1	15.6	15.6	16.7	18.7	20	22	24	26
	5700	2486	RPM	566	630	687	743	793	844	893	938	982	1026
			BHP	1.67	1.96	2.24	2.55	2.83	3.15	3.47	3.78	4.11	4.46
			Sones	19.2	18.6	16.9	16.6	17.9	19.5	21	23	25	26
	6125	2671	RPM	599	660	714	767	817	863	911	956	998	1039
			BHP	2.03	2.34	2.64	2.96	3.28	3.58	3.94	4.28	4.61	4.95
			Sones	20	20	18.5	18.0	19.4	21	22	24	26	27
	6550	2857	RPM	631	689	743	791	840	886	929	974	1016	
			BHP	2.43	2.76	3.09	3.41	3.77	4.10	4.43	4.81	5.18	
			Sones	22	21	20	20	21	22	24	26	27	
	6975	3042	RPM	664	720	771	818	865	909	951	992	1034	
			BHP	2.88	3.23	3.60	3.93	4.30	4.67	5.02	5.38	5.78	
			Sones	24	23	23	22	23	24	26	27	29	

Performance certified is for installation Type B - Free inlet, Ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SFB-20 - Belt Drive



Wheel Diameter = 20 (508)

Shaft Diameter = 1 1/4 (32)

Outlet Area = 2.40 ft² (.223m²)

Mounting Hole Size = 5/8 (16)

[^]Approximate Unit Weight = 405 lb (184 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 11

[^]Weight shown is largest catalogued Open Drip Proof motor

Maximum BHP at given RPM = (RPM/485)³

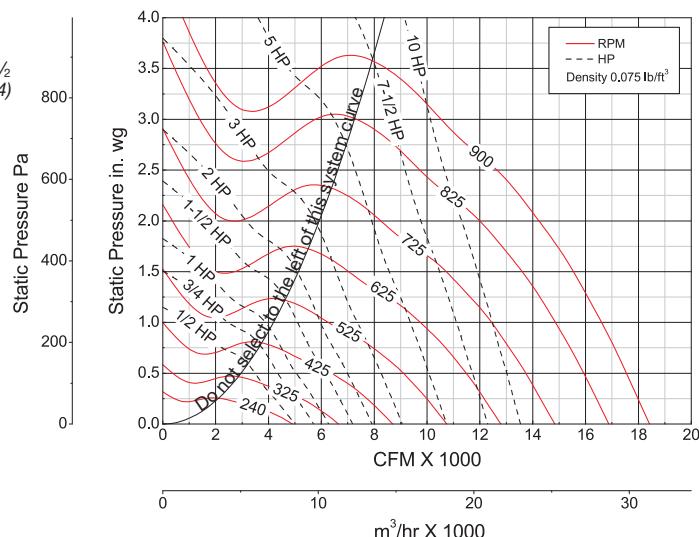
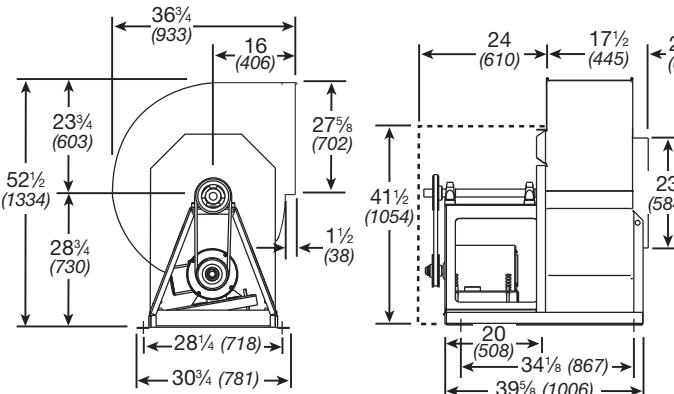
Maximum RPM = 950 and Minimum RPM = 270

Tip Speed (ft/min.) = 5.24 x RPM

Maximum Motor Frame Size = 215T

Model Number	CFM	OV		Static Pressure in Inches wg									
				0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.5	2.75
SFB-20	3275	1362	RPM	320	402								
			BHP	0.37	0.53								
			Sones	8.1	9.1								
	3800	1581	RPM	343	420	487							
			BHP	0.51	0.70	0.90							
			Sones	10.3	10.1	11.3							
	4325	1799	RPM	369	440	503	561	613					
			BHP	0.70	0.90	1.13	1.36	1.61					
			Sones	11.3	11.5	12.6	13.1	14.6					
	4850	2018	RPM	396	462	521	576	628	676				
			BHP	0.92	1.15	1.39	1.64	1.91	2.19				
			Sones	12.3	13.4	13.7	13.9	15.0	16.7				
	5375	2236	RPM	424	485	542	594	642	689	733			
			BHP	1.19	1.45	1.71	1.99	2.26	2.56	2.87			
			Sones	14.0	15.4	14.7	14.5	15.3	16.9	18.6			
	5900	2455	RPM	454	511	564	614	661	704	747	788		
			BHP	1.52	1.80	2.08	2.38	2.68	2.98	3.30	3.64		
			Sones	16.1	16.8	15.5	15.3	15.5	17.3	19.0	21		
	6425	2673	RPM	484	537	587	634	679	722	762	801	877	911
			BHP	1.90	2.22	2.52	2.83	3.15	3.49	3.81	4.15	4.89	5.26
			Sones	18.6	18.4	16.8	16.1	16.5	18.0	19.8	21	24	26
	6950	2892	RPM	515	565	612	657	700	741	780	818	890	925
			BHP	2.36	2.69	3.02	3.36	3.70	4.04	4.41	4.76	5.51	5.92
			Sones	20	19.8	18.5	17.0	18.0	19.3	21	22	25	26
	7475	3110	RPM	546	593	638	681	722	761	799	836	904	938
			BHP	2.88	3.24	3.59	3.95	4.30	4.68	5.05	5.44	6.20	6.61
			Sones	22	21	20	19.2	19.5	21	22	24	27	28
	8000	3329	RPM	578	622	665	705	745	782	819	854	922	
			BHP	3.47	3.86	4.24	4.61	5.00	5.38	5.79	6.18	7.02	
			Sones	24	23	22	22	23	24	25	25	29	
	8525	3547	RPM	610	652	692	731	769	805	840	875	940	
			BHP	4.14	4.55	4.96	5.37	5.77	6.18	6.59	7.02	7.89	
			Sones	26	24	24	24	24	25	26	28	31	

Performance certified is for installation Type B - Free inlet, Ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.



Wheel Diameter = 22 1/8 (562)

Shaft Diameter = 1 1/4 (32)

Outlet Area = 3.23 ft² (.300m²)

Mounting Hole Size = 5/8 (16)

^Approximate Unit Weight = 540 lb (245 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 11

^Weight shown is largest catalogued Open Drip Proof motor

Maximum BHP at given RPM = (RPM/418)³

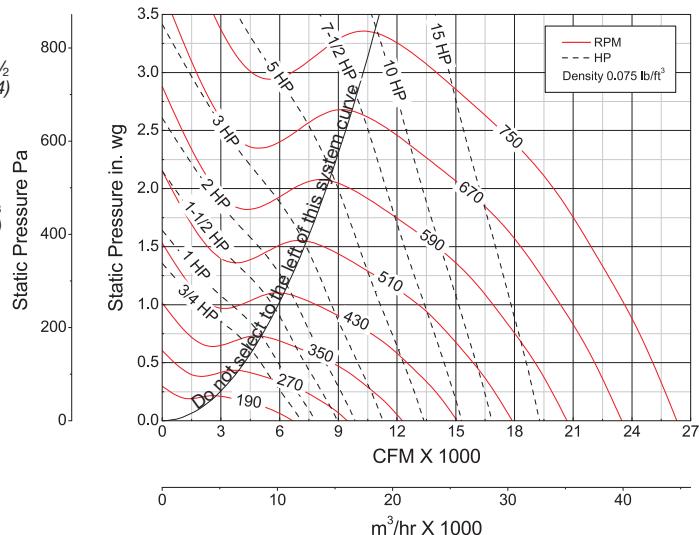
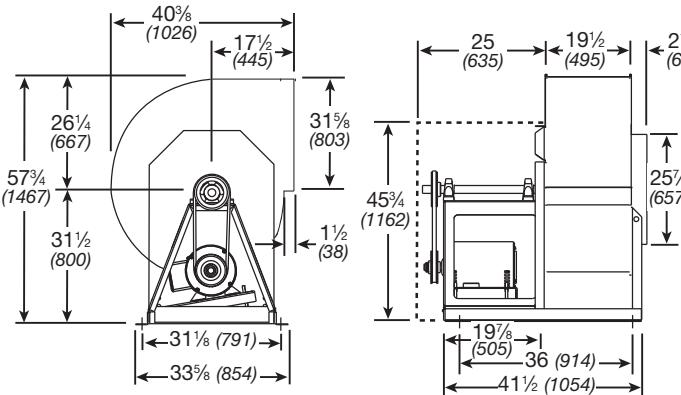
Maximum RPM = 900 and Minimum RPM = 240

Tip Speed (ft/min.) = 5.79 x RPM

Maximum Motor Frame Size = 215T

Model Number	CFM	OV		Static Pressure in Inches wg									
				0.25	0.5	0.75	1	1.25	1.5	2	2.5	3	3.25
SFB-22	4000	1240	RPM	285	359	419							
			BHP	0.44	0.64	0.83							
			Sones	8.6	10.5	12.8							
	4950	1534	RPM	315	385	441	491	535					
			BHP	0.71	0.96	1.20	1.43	1.67					
			Sones	11.3	13	15.4	16.6	18					
	5900	1829	RPM	350	410	467	514	557	598				
			BHP	1.09	1.37	1.68	1.96	2.23	2.52				
			Sones	14.1	15.9	17.9	19	20	22				
	6850	2123	RPM	388	441	491	540	582	620	691	755		
			BHP	1.60	1.91	2.25	2.61	2.95	3.26	3.92	4.56		
			Sones	17.2	19.3	20	22	23	24	26	29		
	7800	2418	RPM	428	475	520	564	608	646	713	776	834	861
			BHP	2.25	2.61	2.98	3.37	3.79	4.17	4.88	5.64	6.38	6.75
			Sones	21	22	23	25	26	28	29	31	34	36
	8750	2712	RPM	470	511	552	593	632	671	739	798	854	881
			BHP	3.08	3.47	3.87	4.30	4.75	5.21	6.08	6.87	7.71	8.14
			Sones	24	25	26	28	30	30	32	34	37	39
	9700	3007	RPM	512	550	587	624	660	695	764	824	877	
			BHP	4.09	4.53	4.97	5.43	5.90	6.39	7.41	8.35	9.24	
			Sones	27	28	30	31	32	34	36	39	41	
	10650	3301	RPM	555	590	623	658	691	724	789	850		
			BHP	5.33	5.80	6.27	6.77	7.28	7.79	8.90	10		
			Sones	30	32	34	35	36	37	40	43		
	11600	3596	RPM	599	631	662	693	724	755	813	874		
			BHP	6.79	7.30	7.83	8.34	8.88	9.44	10.54	11.82		
			Sones	34	37	38	38	39	41	44	47		
	12550	3890	RPM	643	672	701	730	759	788	844	898		
			BHP	8.51	9.04	9.62	10.17	10.76	11.33	12.56	13.8		
			Sones	38	40	42	42	43	45	48	52		
	13500	4185	RPM	688	714	742	768	794	822	875			
			BHP	10.5	11.1	11.7	12.3	12.9	13.5	14.8			
			Sones	42	44	46	47	48	49	53			

Performance certified is for installation Type B - Free inlet, Ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.



Wheel Diameter = 25 (635)

Shaft Diameter = 1 1/2 (38)

Outlet Area = 4.21 ft² (.391 m²)

Mounting Hole Size = 5/8 (16)

^Approximate Unit Weight = 700 lb. (318 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 11

^Weight shown is largest catalogued Open Drip Proof motor

Maximum BHP at given RPM = (RPM/304)³

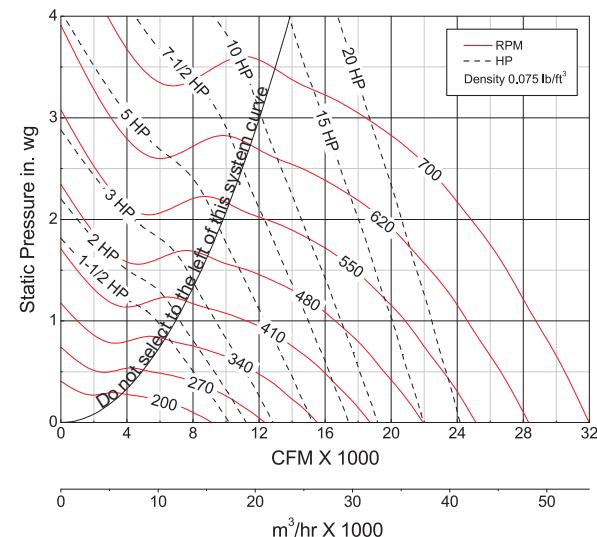
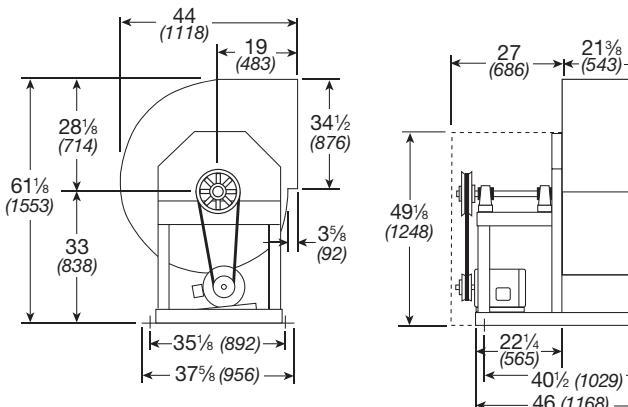
Maximum RPM = 750 and Minimum RPM = 190

Tip Speed (ft/min.) = 6.54 x RPM

Maximum Motor Frame Size = 284T

Model Number	CFM	OV		Static Pressure in Inches wg									
				0.25	0.5	0.75	1	1.25	1.5	2	2.5	3	3.25
SFB-25	6000	1425	RPM	246	310	363	412						
			BHP	0.74	1.03	1.32	1.65						
			Sones	8.4	10.4	12.5	14.5						
	6950	1651	RPM	263	324	375	419	463					
			BHP	1.02	1.37	1.72	2.05	2.42					
			Sones	10.3	11.9	14.3	15.8	17.3					
	7900	1877	RPM	283	338	387	431	470	508				
			BHP	1.39	1.78	2.17	2.57	2.95	3.34				
			Sones	12.1	13.7	16.2	17.3	18.6	20				
	8850	2103	RPM	304	354	401	444	482	518	585			
			BHP	1.85	2.29	2.73	3.15	3.61	4.03	4.93			
			Sones	14.1	15.7	17.9	19.0	20	22	25			
	9800	2329	RPM	326	372	416	457	495	530	593	654		
			BHP	2.40	2.87	3.36	3.86	4.32	4.83	5.76	6.81		
			Sones	16.1	18.0	19.6	21	22	23	26	29		
	10750	2554	RPM	349	391	432	471	508	542	605	660	716	743
			BHP	3.07	3.58	4.12	4.65	5.19	5.70	6.79	7.78	8.96	9.57
			Sones	18.4	20	21	23	24	25	27	30	33	35
	11700	2780	RPM	373	412	450	487	522	556	617	672	722	748
			BHP	3.86	4.42	4.99	5.57	6.16	6.73	7.89	9.05	10.11	10.74
			Sones	21	22	23	25	26	28	29	32	35	36
	12650	3006	RPM	397	433	468	504	537	569	629	684	734	
			BHP	4.78	5.37	5.96	6.62	7.22	7.88	9.07	10.39	11.62	
			Sones	23	24	25	27	28	30	32	34	36	
	13600	3232	RPM	421	455	488	521	553	584	643	696	746	
			BHP	5.84	6.46	7.13	7.79	8.48	9.13	10.51	11.82	13.21	
			Sones	25	26	27	29	31	32	34	36	39	
	14550	3457	RPM	445	478	510	539	570	600	657	709		
			BHP	7.04	7.72	8.43	9.09	9.86	10.58	12.04	13.43		
			Sones	27	29	30	31	33	34	36	39		
	15500	3683	RPM	471	501	531	559	588	617	671	723		
			BHP	8.43	9.15	9.88	10.62	11.37	12.18	13.68	15.26		
			Sones	29	31	33	34	35	36	39	42		

Performance certified is for installation Type B - Free inlet, Ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.



Wheel Diameter = 27 1/2 (699)

Shaft Diameter = 1 1/2 (38)

Outlet Area = 4.97 ft² (.462 m²)

Mounting Hole Size = 5/8 (16)

^Approximate Unit Weight = 845 lb. (383 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 11

^Weight shown is largest catalogued Open Drip Proof motor

Maximum BHP at given RPM = (RPM/285)³

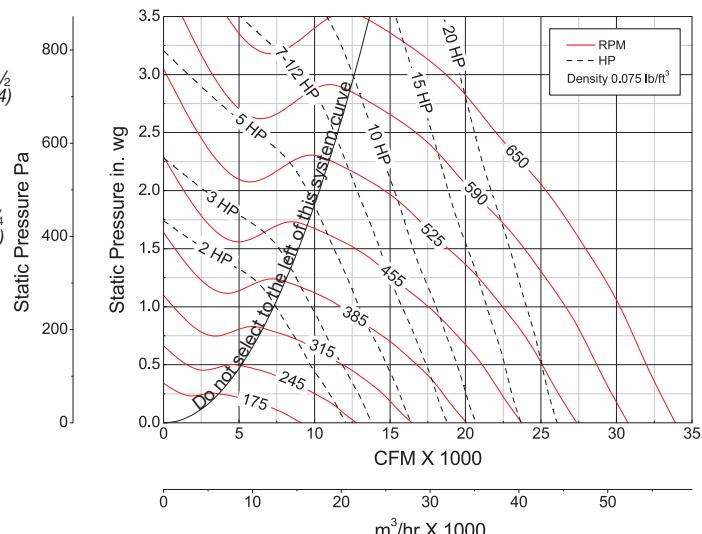
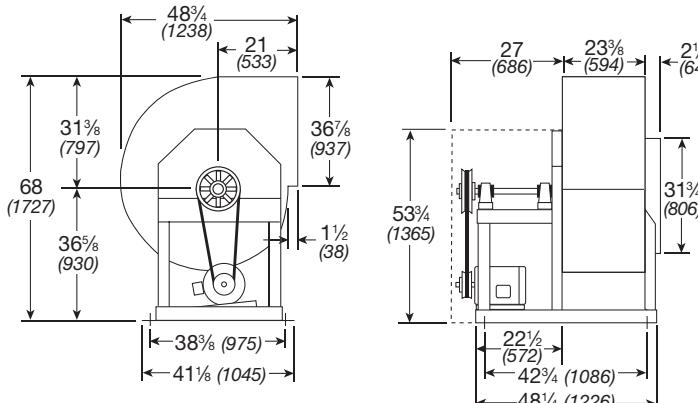
Maximum RPM = 700 and Minimum RPM = 200

Tip Speed (ft/min.) = 7.20 x RPM

Maximum Motor Frame Size = 286T

Model Number	CFM	OV		Static Pressure in Inches wg									
				0.25	0.5	0.75	1	1.25	1.5	2	2.5	3	3.25
SFB-27	8600	1729	RPM	245	297	345	388	427	462				
			BHP	1.29	1.72	2.17	2.61	3.07	3.56				
			Sones	11.1	12.5	15.1	16.7	18.2	20				
	9750	1961	RPM	264	310	355	397	434	470				
			BHP	1.75	2.21	2.71	3.23	3.73	4.26				
			Sones	13.1	14.6	17.0	18.4	19.7	21				
	10900	2192	RPM	284	327	368	407	444	477	540			
			BHP	2.31	2.84	3.38	3.94	4.51	5.05	6.24			
			Sones	15.1	16.7	18.9	20	21	23	26			
	12050	2423	RPM	305	344	381	419	454	487	547	603	652	
			BHP	3.02	3.58	4.14	4.78	5.39	6.03	7.28	8.58	9.95	
			Sones	17.3	19.2	21	22	23	25	27	30	34	
	13200	2655	RPM	327	363	398	432	465	497	556	610	660	683
			BHP	3.85	4.46	5.09	5.73	6.41	7.09	8.45	9.86	11.28	12.04
			Sones	19.8	22	23	24	25	27	29	32	35	37
	14350	2886	RPM	349	382	415	447	478	508	566	618	668	691
			BHP	4.83	5.47	6.16	6.83	7.57	8.30	9.80	11.22	12.80	13.58
			Sones	22	24	25	26	28	29	31	33	37	39
	15500	3117	RPM	372	403	434	464	491	521	576	628	676	699
			BHP	5.97	6.64	7.40	8.14	8.84	9.68	11.25	12.88	14.41	15.28
			Sones	25	26	27	28	30	32	34	36	39	40
	16650	3349	RPM	395	424	453	481	508	535	588	638	685	
			BHP	7.27	8.02	8.80	9.60	10.38	11.17	12.90	14.64	16.36	
			Sones	27	28	29	31	33	34	36	39	41	
	17800	3580	RPM	418	446	472	499	525	550	601	648	695	
			BHP	8.76	9.59	10.37	11.24	12.10	12.92	14.74	16.49	18.42	
			Sones	29	31	32	34	35	36	39	41	44	
	18950	3811	RPM	441	468	492	518	543	567	614	661		
			BHP	10.40	11.30	12.10	13.10	14.00	14.90	16.70	18.70		
			Sones	32	34	35	37	38	39	41	44		
	20100	4043	RPM	465	490	514	538	561	585	629	674		
			BHP	12.40	13.30	14.20	15.10	16.10	17.10	18.90	21.00		
			Sones	34	37	39	39	40	41	44	47		

Performance certified is for installation Type B - Free inlet, Ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.



Wheel Diameter = 30 (762)

Shaft Diameter = 1 1/2 (38)

Outlet Area = 5.72 ft² (.531m²)

Mounting Hole Size = 5/8 (16)

^Approximate Unit Weight = 940 lb. (426 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 11

^Weight shown is largest catalogued Open Drip Proof motor

Maximum BHP at given RPM = (RPM/239)³

Maximum RPM = 650 and Minimum RPM = 175

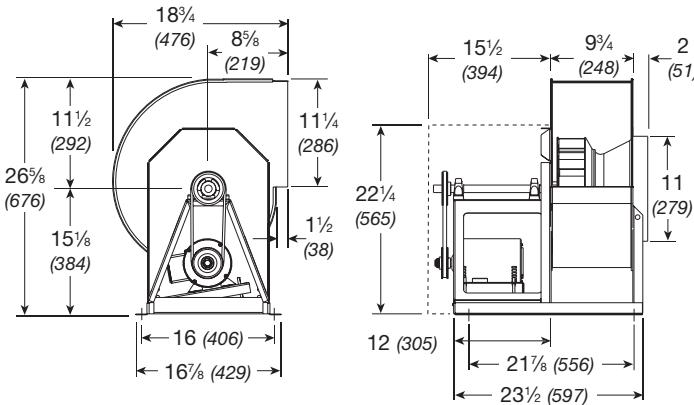
Tip Speed (ft/min.) = 7.86 x RPM

Maximum Motor Frame Size = 286T

Model Number	CFM	OV		Static Pressure in Inches wg									
				0.25	0.5	0.75	1	1.25	1.5	2	2.5	3	3.25
SFB-30	10000	1749	RPM	245	293	332	369	403	434				
			BHP	1.60	2.12	2.59	3.13	3.63	4.19				
			Sones	13.0	15.0	17.3	18.6	20	22				
	11525	2015	RPM	267	311	350	383	416	446	501			
			BHP	2.25	2.85	3.44	3.98	4.60	5.19	6.43			
			Sones	15.7	17.9	19.7	21	22	24	27			
	13050	2282	RPM	291	330	368	401	430	459	513	562	606	
			BHP	3.10	3.73	4.44	5.09	5.69	6.39	7.73	9.15	10.56	
			Sones	18.7	21	22	24	25	27	29	32	35	
	14575	2549	RPM	316	352	387	419	448	474	526	573	617	638
			BHP	4.14	4.85	5.60	6.37	7.10	7.78	9.31	10.79	12.37	13.16
			Sones	22	23	25	27	28	30	31	34	38	40
	16100	2816	RPM	342	375	406	437	466	492	539	586	629	649
			BHP	5.42	6.18	6.96	7.84	8.69	9.49	11.02	12.74	14.38	15.20
			Sones	25	26	28	30	32	33	35	37	40	42
	17625	3082	RPM	369	399	428	456	484	510	557	600	642	
			BHP	6.98	7.78	8.64	9.51	10.49	11.40	13.12	14.86	16.73	
			Sones	28	29	31	33	35	36	38	41	44	
	19150	3349	RPM	397	423	450	477	503	529	575	616		
			BHP	8.82	9.65	10.57	11.50	12.50	13.55	15.51	17.32		
			Sones	31	33	35	36	38	39	42	45		
	20675	3616	RPM	424	448	474	499	523	547	593	634		
			BHP	11.00	11.80	12.80	13.80	14.80	15.90	18.10	20.20		
			Sones	35	37	39	40	41	43	46	49		
	22200	3883	RPM	452	474	498	521	545	566	612			
			BHP	13.40	14.30	15.40	16.40	17.50	18.60	21.00			
			Sones	39	42	42	43	45	46	50			
	23725	4149	RPM	480	501	523	545	567	588	630			
			BHP	16.20	17.20	18.30	19.40	20.60	21.70	24.20			
			Sones	43	45	46	47	49	51	55			
	25250	4416	RPM	508	528	548	569	589	610	649			
			BHP	19.40	20.50	21.50	22.80	23.90	25.20	27.70			
			Sones	46	49	51	52	53	55	59			

Performance certified is for installation Type B - Free inlet, Ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-106 - Belt Drive Series 100



Wheel Diameter = 11 1/8 (283)

Shaft Diameter = 3/4 (19)

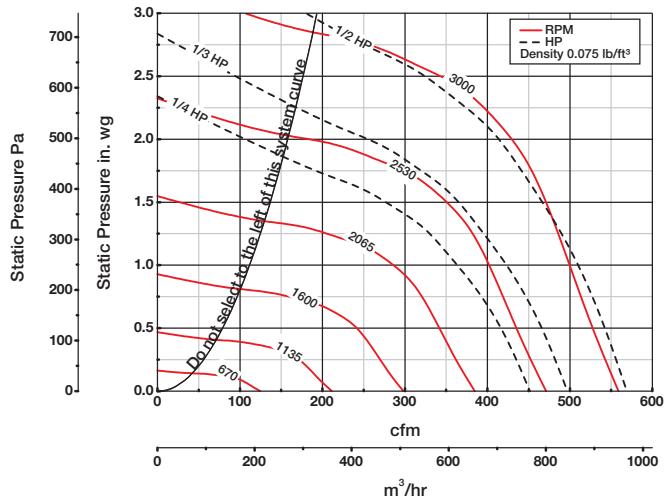
Outlet Area = 0.76 ft² (0.07 m²)

[^]Approximate Unit Weight = 135 lb. (61 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 10

[^]Weight shown is largest catalogued Open Drip Proof motor



Maximum BHP at a given RPM = (RPM/3706)³

Maximum RPM = 3000

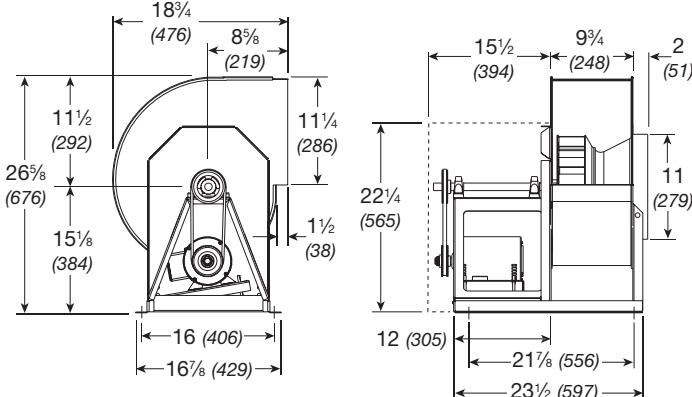
Tip Speed (ft/min.) = RPM x 2.91

Maximum Motor Frame Size = 145T

Model Number	CFM	OV	Static Pressure in Inches wg										
			0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	
SWB-106	100	132	RPM	936	1273	1542							
			BHP	0.02	0.04	0.06							
			Sones	5.4	6.8	8.0							
	140	184	RPM	1023	1322	1574	1799	1999	2179				
			BHP	0.02	0.04	0.07	0.11	0.14	0.18				
			Sones	6.0	7.1	8.4	9.8	11.5	13.1				
	180	237	RPM	1172	1398	1632	1843	2031	2210	2376	2531	2676	2813
			BHP	0.03	0.05	0.08	0.12	0.16	0.20	0.24	0.29	0.34	0.39
			Sones	6.6	7.5	8.9	10.2	11.9	13.4	14.8	16.3	17.9	19.4
	220	289	RPM	1356	1522	1712	1906	2088	2257	2413	2561	2706	2844
			BHP	0.05	0.07	0.10	0.13	0.17	0.22	0.26	0.31	0.37	0.42
			Sones	7.2	8.2	9.4	10.9	12.6	13.9	15.2	16.7	18.3	19.8
	260	342	RPM	1550	1681	1830	1993	2155	2318	2470	2614	2751	2880
			BHP	0.07	0.09	0.12	0.15	0.19	0.24	0.29	0.34	0.39	0.45
			Sones	8.0	9.0	10.2	11.8	13.2	14.5	15.9	17.4	18.8	20
	300	395	RPM	1749	1866	1976	2113	2253	2391	2537	2676	2808	2936
			BHP	0.09	0.12	0.15	0.18	0.22	0.27	0.32	0.37	0.42	0.48
			Sones	9.1	10.1	11.3	12.8	14.0	15.2	16.6	18.0	19.5	21
	340	447	RPM	1952	2056	2158	2258	2379	2500	2626	2745	2876	3000
			BHP	0.13	0.15	0.19	0.22	0.26	0.31	0.35	0.41	0.46	0.52
			Sones	10.5	11.5	12.5	13.7	14.9	16.2	17.5	18.7	20	22
	380	500	RPM	2156	2253	2344	2434	2524	2633	2736	2852	2963	
			BHP	0.17	0.20	0.23	0.27	0.31	0.35	0.40	0.45	0.51	
			Sones	12.2	12.8	13.7	14.7	16.2	17.4	18.6	19.9	21	
	420	553	RPM	2361	2452	2535	2618	2699	2779	2879	2973		
			BHP	0.23	0.26	0.29	0.33	0.37	0.42	0.46	0.51		
			Sones	14.7	14.2	15.1	16.1	17.2	18.8	20	21		
	460	605	RPM	2567	2654	2732	2806	2883	2956				
			BHP	0.29	0.32	0.36	0.40	0.44	0.49				
			Sones	17.9	16.2	16.9	17.8	18.9	19.8				
	500	658	RPM	2775	2858	2931							
			BHP	0.37	0.40	0.44							
			Sones	22	22	18.9							

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-107 - Belt Drive Series 100



Wheel Diameter = 11 1/8 (283)

Shaft Diameter = 3/4 (19)

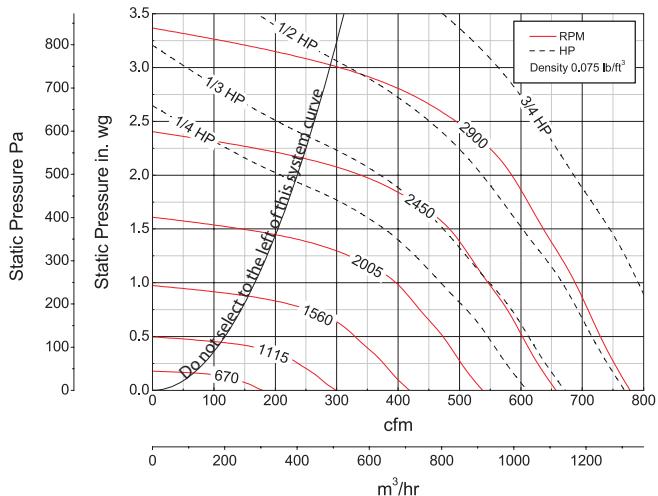
Outlet Area = 0.76 ft² (0.07 m²)

[^]Approximate Unit Weight = 135 lb. (61 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 10

[^]Weight shown is largest catalogued Open Drip Proof motor



Maximum BHP at a given RPM = (RPM/3493)³

Maximum RPM = 2900

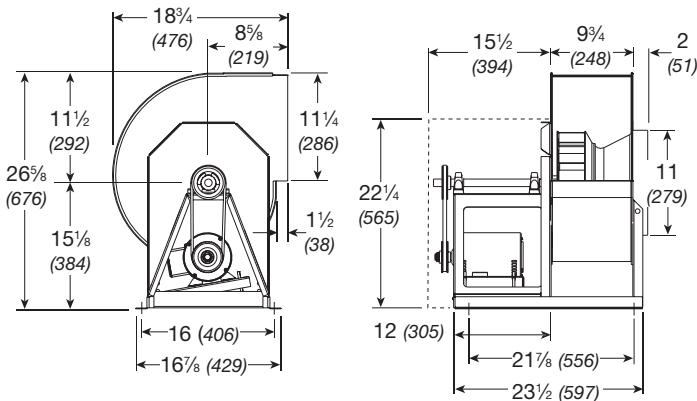
Tip Speed (ft/min.) = RPM x 2.91

Maximum Motor Frame Size = 145T

Model Number	CFM	OV	Static Pressure in Inches wg										
			0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	
SWB-107	140	184	RPM	891	1198								
			BHP	0.02	0.04								
			Sones	4.5	5.9								
	200	263	RPM	1008	1264	1494	1695	1877					
			BHP	0.02	0.04	0.07	0.10	0.13					
			Sones	5.1	6.2	7.3	8.5	9.8					
	260	342	RPM	1184	1374	1572	1759	1931	2088	2239	2380	2512	
			BHP	0.04	0.06	0.09	0.12	0.15	0.19	0.23	0.27	0.32	
			Sones	6.0	6.8	7.7	8.8	10.1	11.3	12.6	13.8	15.2	
	320	421	RPM	1372	1531	1686	1848	2005	2156	2299	2432	2559	2684
			BHP	0.06	0.08	0.11	0.14	0.18	0.22	0.26	0.30	0.35	0.40
			Sones	7.3	7.7	8.4	9.5	10.6	11.8	13.0	14.2	15.6	17.0
	380	500	RPM	1573	1713	1840	1970	2105	2244	2375	2502	2627	2745
			BHP	0.09	0.11	0.14	0.18	0.21	0.25	0.30	0.34	0.39	0.44
			Sones	8.6	8.9	9.7	10.7	11.6	12.6	13.7	14.9	16.3	17.6
	440	579	RPM	1782	1900	2020	2129	2238	2358	2472	2593	2708	2817
			BHP	0.12	0.15	0.19	0.22	0.26	0.30	0.34	0.39	0.44	0.49
			Sones	10.1	10.6	11.3	12.0	12.7	13.7	14.7	15.9	17.2	18.5
	500	658	RPM	1994	2096	2205	2308	2404	2493	2601	2705	2805	
			BHP	0.17	0.20	0.24	0.28	0.32	0.36	0.41	0.45	0.50	
			Sones	11.8	12.3	12.9	13.5	14.2	14.9	16.1	17.2	18.3	
	560	737	RPM	2208	2302	2394	2492	2583	2669	2751	2838		
			BHP	0.23	0.27	0.30	0.35	0.39	0.44	0.48	0.53		
			Sones	14.1	14.1	14.7	15.5	16.1	16.8	17.5	18.4		
	620	816	RPM	2421	2512	2593	2680	2767	2850				
			BHP	0.30	0.34	0.38	0.43	0.48	0.53				
			Sones	16.6	17.0	16.7	17.6	18.5	19.1				
	680	895	RPM	2636	2723	2799	2872						
			BHP	0.39	0.44	0.48	0.52						
			Sones	19.5	22	19.0	19.9						
	740	974	RPM	2852									
			BHP	0.50									
			Sones	23									

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-108 - Belt Drive Series 100



Wheel Diameter = 11 1/8 (283)

Shaft Diameter = 3/4 (19)

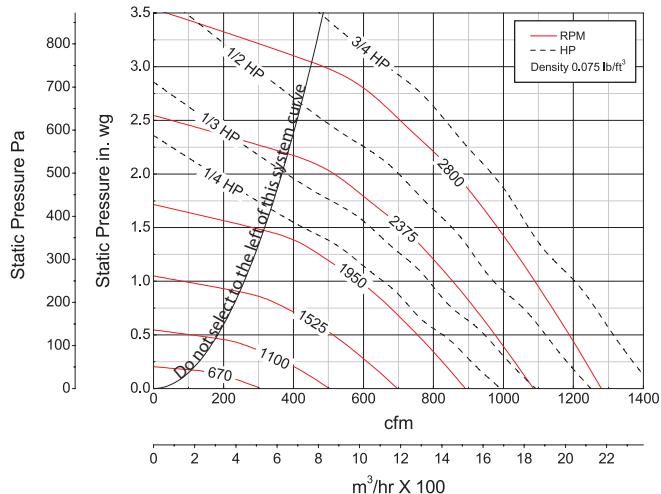
Outlet Area = 0.76 ft² (0.07 m²)

^Approximate Unit Weight = 135 lb. (61 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 10

^Weight shown is largest catalogued Open Drip Proof motor



Maximum BHP at a given RPM = (RPM/3233)³

Maximum RPM = 2800

Tip Speed (ft/min.) = RPM x 2.91

Maximum Motor Frame Size = 145T

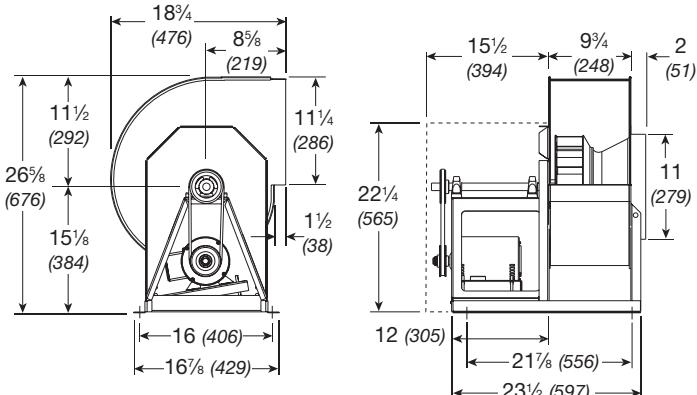
Model Number	CFM	OV	Static Pressure in Inches wg										
			0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	
SWB-108	200	263	RPM	860	1148								
			BHP	0.02	0.04								
			Sones	5.5	6.8								
	300	395	RPM	982	1235	1443	1635	1805					
			BHP	0.03	0.05	0.09	0.12	0.16					
			Sones	6.6	7.0	7.7	8.7	9.6					
	400	526	RPM	1141	1357	1551	1719	1872	2025	2165	2296	2419	
			BHP	0.04	0.07	0.11	0.15	0.19	0.24	0.29	0.34	0.40	
			Sones	7.2	7.7	8.2	9.0	9.8	10.7	11.5	12.4	13.5	
	500	658	RPM	1317	1506	1675	1837	1983	2117	2241	2364	2487	2603
			BHP	0.07	0.10	0.14	0.18	0.23	0.28	0.33	0.39	0.45	0.51
			Sones	8.0	8.6	9.2	9.8	10.5	11.1	12.0	12.9	13.9	14.8
	600	789	RPM	1504	1673	1825	1965	2105	2234	2356	2471	2579	2681
			BHP	0.09	0.14	0.18	0.22	0.27	0.32	0.38	0.44	0.50	0.57
			Sones	9.1	9.8	10.5	11.2	11.8	12.3	13.0	13.7	14.6	15.5
	700	921	RPM	1699	1849	1989	2119	2242	2361	2478	2589	2695	2796
			BHP	0.13	0.18	0.23	0.28	0.33	0.39	0.44	0.50	0.56	0.63
			Sones	10.3	11.5	12.5	12.9	13.3	13.9	14.6	14.8	15.7	16.6
	800	1053	RPM	1899	2035	2162	2282	2396	2507	2610	2715		
			BHP	0.18	0.23	0.29	0.34	0.40	0.46	0.52	0.59		
			Sones	12.1	13.3	13.9	14.5	15.0	15.6	16.2	17.0		
	900	1184	RPM	2102	2227	2344	2455	2561	2662	2763			
			BHP	0.24	0.30	0.37	0.43	0.49	0.54	0.61			
			Sones	13.9	14.7	15.5	16.2	16.8	17.4	18.1			
	1000	1316	RPM	2308	2423	2531	2634	2733					
			BHP	0.32	0.38	0.45	0.53	0.59					
			Sones	15.6	16.6	17.4	18.2	18.9					
	1100	1447	RPM	2517	2623	2723							
			BHP	0.41	0.48	0.55							
			Sones	18.7	18.7	19.7							
	1200	1579	RPM	2728									
			BHP	0.52									
			Sones	23									

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-110 - Belt Drive Series 100



Building Value in Air.



Wheel Diameter = 11 1/8 (283)

Shaft Diameter = 3/4 (19)

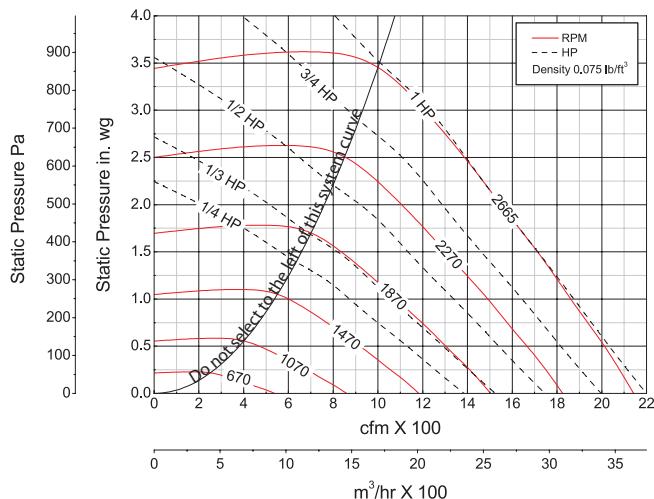
Outlet Area = 0.76 ft² (0.07 m²)

[^]Approximate Unit Weight = 135 lb. (61 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 10

[^]Weight shown is largest cataloged Open Drip Proof motor



Maximum BHP at a given RPM = (RPM/2665)³

Maximum RPM = 2665

Tip Speed (ft/min.) = RPM x 2.91

Maximum Motor Frame Size = 145T

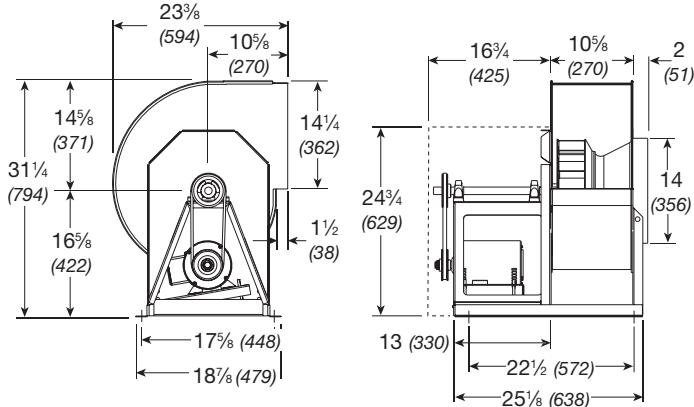
Model Number	CFM	OV	Static Pressure in Inches wg										
			0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	
SWB-110	500	658	RPM	898	1094	1264							
			BHP	0.04	0.07	0.10							
			Sones	8.5	8.8	9.0							
	650	855	RPM	1040	1218	1368	1508	1635					
			BHP	0.06	0.10	0.13	0.18	0.23					
			Sones	9.0	9.2	9.4	9.9	10.5					
	800	1053	RPM	1192	1356	1496	1621	1735	1849	1955	2054		
			BHP	0.09	0.13	0.18	0.22	0.27	0.33	0.39	0.45		
			Sones	9.7	9.9	10.1	10.9	11.5	11.4	12.1	13.3		
	950	1250	RPM	1353	1501	1633	1750	1859	1961	2055	2153	2245	2332
			BHP	0.13	0.18	0.23	0.28	0.34	0.39	0.45	0.52	0.59	0.66
			Sones	10.6	10.9	11.6	12.1	12.1	12.6	13.1	14.0	15.3	16.7
	1100	1447	RPM	1519	1653	1776	1888	1991	2088	2179	2267	2349	2433
			BHP	0.18	0.24	0.30	0.36	0.42	0.48	0.54	0.61	0.67	0.75
			Sones	12.0	12.7	13.0	13.4	13.9	14.4	15.0	16.1	17.3	18.6
	1250	1645	RPM	1688	1813	1924	2031	2130	2222	2309	2394	2474	2551
			BHP	0.25	0.31	0.37	0.44	0.51	0.58	0.65	0.72	0.79	0.87
			Sones	14.2	14.3	14.8	15.5	16.2	17.0	18.2	19.3	21	21
	1400	1842	RPM	1859	1976	2080	2179	2274	2362	2446	2526	2603	
			BHP	0.33	0.40	0.47	0.54	0.62	0.70	0.77	0.85	0.93	
			Sones	16.0	16.3	17.0	17.8	18.9	20	22	23	22	
	1550	2039	RPM	2033	2141	2241	2332	2421	2506	2588			
			BHP	0.43	0.51	0.59	0.67	0.75	0.83	0.91			
			Sones	18.3	18.8	19.6	21	22	23	23			
	1700	2237	RPM	2211	2310	2404	2491	2573	2654				
			BHP	0.55	0.63	0.72	0.81	0.89	0.98				
			Sones	21	22	23	24	24	24				
	1850	2434	RPM	2391	2480	2569	2652						
			BHP	0.69	0.78	0.88	0.97						
			Sones	24	25	25	26						
	2000	2632	RPM	2571	2652								
			BHP	0.86	0.96								
			Sones	27	27								

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-113 - Belt Drive Series 100



Building Value in Air.



Wheel Diameter = 13 1/8 (333)

Shaft Diameter = 3/4 (19)

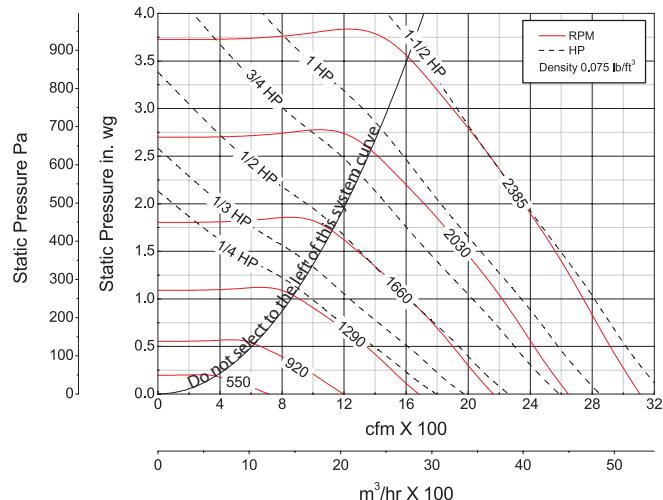
Outlet Area = 1.03 ft² (0.10 m²)

[^]Approximate Unit Weight = 175 lb. (79 kg)

All dimension in inches (millimeters)

For additional discharge positions see page 10

[^]Weight shown is largest cataloged Open Drip Proof motor



Maximum BHP at a given RPM = (RPM/2084)³

Maximum RPM = 2385

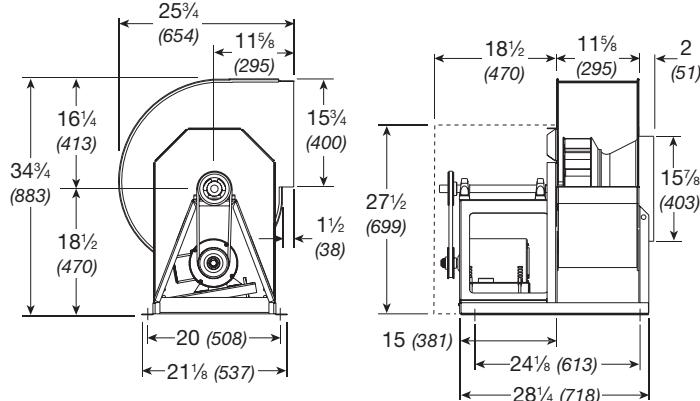
Tip Speed (ft/min.) = RPM x 3.53

Maximum Motor Frame Size = 184T

Model Number	CFM	OV	Static Pressure in Inches wg										
			0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	
SWB-113	700	680	RPM	767	939								
			BHP	0.05	0.09								
			Sones	5.4	5.7								
	900	874	RPM	883	1037	1168	1291						
			BHP	0.08	0.12	0.17	0.23						
			Sones	6.2	6.9	8.3	9.0						
	1100	1068	RPM	1009	1147	1269	1378	1482	1580				
			BHP	0.11	0.17	0.22	0.28	0.35	0.41				
			Sones	7.4	8.5	9.1	9.7	10.2	11.0				
	1300	1262	RPM	1144	1266	1378	1480	1576	1665	1753	1837	1916	
			BHP	0.16	0.22	0.29	0.36	0.43	0.50	0.58	0.65	0.73	
			Sones	8.8	9.5	10.1	10.7	11.3	12.0	12.8	13.8	15.1	
	1500	1456	RPM	1283	1391	1494	1591	1680	1766	1846	1922	1999	2073
			BHP	0.22	0.29	0.37	0.44	0.52	0.60	0.68	0.77	0.85	0.94
			Sones	10.0	10.8	11.5	12.2	12.9	13.6	14.3	15.2	15.8	16.4
	1700	1650	RPM	1424	1524	1617	1706	1792	1872	1948	2023	2093	2161
			BHP	0.30	0.37	0.46	0.55	0.63	0.72	0.81	0.91	1.00	1.09
			Sones	11.9	12.7	13.3	13.9	14.7	15.5	16.2	16.7	17.2	17.8
	1900	1845	RPM	1569	1659	1745	1828	1907	1984	2057	2126	2194	2261
			BHP	0.39	0.48	0.57	0.66	0.76	0.86	0.96	1.06	1.16	1.27
			Sones	13.8	14.6	15.3	16.1	16.9	17.4	17.9	18.4	18.9	19.6
	2100	2039	RPM	1714	1799	1878	1953	2029	2101	2170	2238	2302	2364
			BHP	0.51	0.60	0.70	0.80	0.91	1.02	1.13	1.24	1.35	1.46
			Sones	15.9	16.8	17.8	18.2	18.7	19.2	19.8	20	21	22
	2300	2233	RPM	1860	1940	2014	2085	2153	2222	2288	2352		
			BHP	0.64	0.75	0.85	0.96	1.08	1.19	1.31	1.43		
			Sones	18.1	19.0	19.7	20	21	21	22	23		
	2500	2427	RPM	2007	2083	2153	2219	2284	2347				
			BHP	0.80	0.92	1.03	1.15	1.27	1.40				
			Sones	20	21	21	22	23	24				
	2700	2621	RPM	2154	2228	2293	2356						
			BHP	0.99	1.12	1.24	1.36						
			Sones	22	23	24	24						

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-115 - Belt Drive Series 100



Wheel Diameter = 14 5/16 (370)

Shaft Diameter = 3/4 (19)

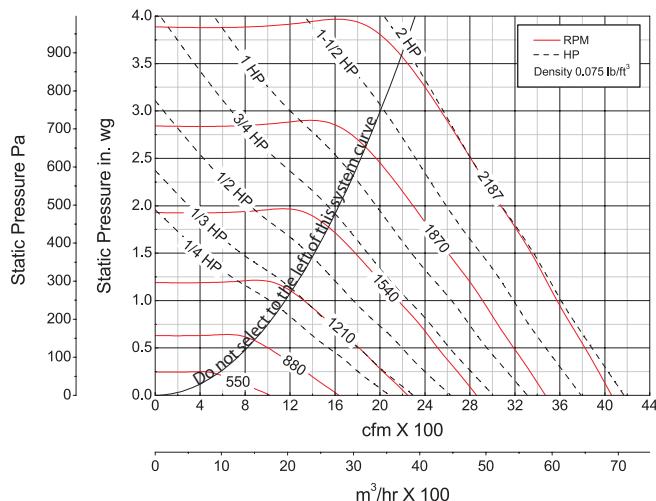
Outlet Area = 1.25 ft² (0.11 m²)

[^]Approximate Unit Weight = 225 lb. (102 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 10

[^]Weight shown is largest cataloged Open Drip Proof motor



$$\text{Maximum BHP at a given RPM} = (\text{RPM}/1737)^3$$

Maximum RPM = 2187

Tip Speed (ft/min.) = RPM x 3.93

Maximum Motor Frame Size = 184T

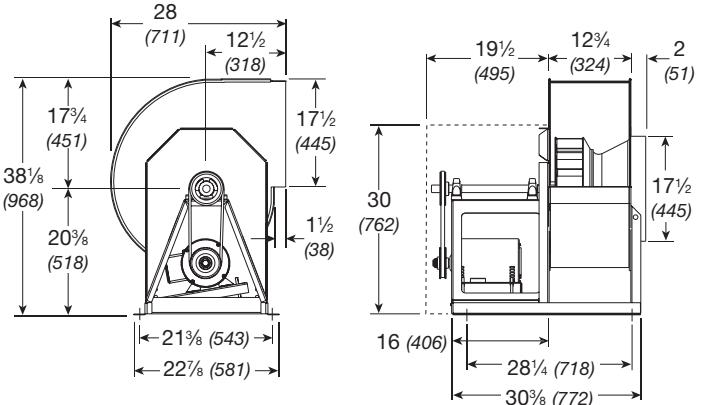
Model Number	CFM	OV	Static Pressure in Inches wg										
			0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	
SWB-115	1000	800	RPM	737	879								
			BHP	0.08	0.13								
			Sones	6.2	6.7								
	1250	1000	RPM	843	976	1086	1186						
			BHP	0.11	0.18	0.24	0.31						
			Sones	6.9	7.8	8.4	8.9						
	1500	1200	RPM	955	1078	1183	1276	1360	1445				
			BHP	0.16	0.24	0.32	0.39	0.47	0.56				
			Sones	8.2	9.1	9.6	10.1	10.6	11.3				
	1750	1400	RPM	1075	1184	1284	1373	1455	1530	1600	1673	1746	
			BHP	0.23	0.31	0.40	0.49	0.58	0.67	0.77	0.87	0.97	
			Sones	9.6	10.3	10.9	11.4	12.0	12.5	13.1	14.1	15.1	
	2000	1600	RPM	1196	1294	1389	1474	1552	1625	1695	1759	1821	1883
			BHP	0.32	0.41	0.51	0.61	0.71	0.82	0.92	1.02	1.13	1.24
			Sones	11.1	11.7	12.4	13.0	13.6	14.1	14.7	15.3	16.1	17.1
	2250	1800	RPM	1319	1412	1496	1578	1654	1724	1791	1854	1915	1972
			BHP	0.42	0.53	0.63	0.75	0.86	0.98	1.09	1.21	1.32	1.44
			Sones	12.8	13.4	14.0	14.7	15.4	16.0	16.6	17.3	18.0	18.8
	2500	2000	RPM	1444	1533	1609	1685	1758	1826	1891	1952	2010	2067
			BHP	0.55	0.67	0.78	0.91	1.03	1.16	1.29	1.42	1.55	1.67
			Sones	14.7	15.4	16.0	16.7	17.5	18.0	18.7	19.4	20	21
	2750	2200	RPM	1570	1654	1727	1794	1864	1931	1993	2053	2109	2164
			BHP	0.71	0.84	0.97	1.09	1.23	1.37	1.51	1.65	1.79	1.93
			Sones	16.7	17.6	18.3	18.8	19.4	20	21	22	22	23
	3000	2400	RPM	1698	1776	1847	1911	1973	2037	2098	2156		
			BHP	0.89	1.04	1.18	1.31	1.45	1.60	1.76	1.91		
			Sones	19.0	19.9	20	21	22	22	23	24		
	3250	2600	RPM	1827	1899	1968	2030	2088	2146				
			BHP	1.11	1.26	1.42	1.57	1.71	1.87				
			Sones	21	22	23	23	24	24				
	3500	2800	RPM	1956	2024	2090	2150						
			BHP	1.35	1.52	1.69	1.86						
			Sones	24	25	25	26						

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-116 - Belt Drive Series 100



Building Value in Air.



Wheel Diameter = 16 3/4 (425)

Shaft Diameter = 1 (25)

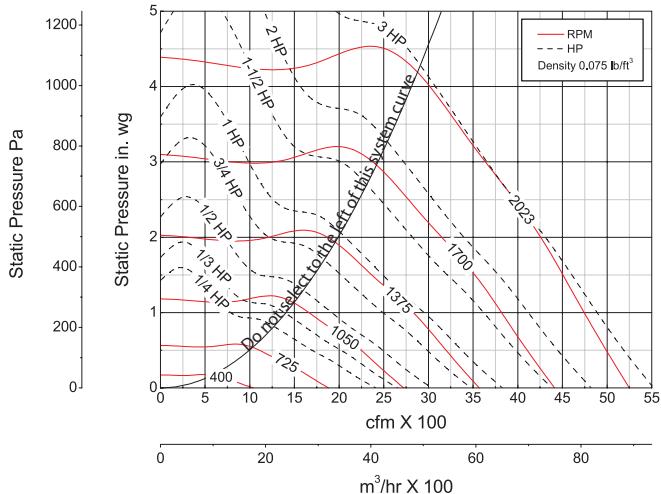
Outlet Area = 1.52 ft² (0.14 m²)

[^]Approximate Unit Weight = 241 lb. (109 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 10

[^]Weight shown is largest catalogued Open Drip Proof motor



Maximum BHP at a given RPM = (RPM/1403)³

Maximum RPM = 2023

Tip Speed (ft/min.) = RPM x 4.32

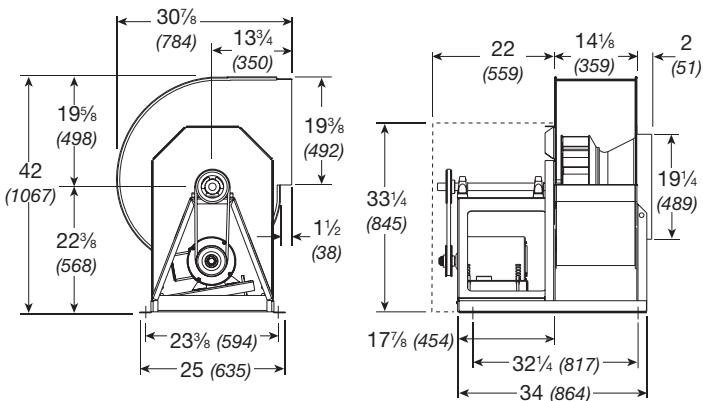
Maximum Motor Frame Size = 184T

Model Number	CFM	OV	Static Pressure in Inches wg									
			0.5	0.75	1	1.25	1.5	2	2.5	2.75	3	3.5
SWB-116	1200	789	RPM	750								
			BHP	0.15								
			Sones	5.8								
	1560	1026	RPM	846	943	1026						
			BHP	0.22	0.30	0.38						
			Sones	7.1	7.8	8.7						
	1920	1263	RPM	949	1039	1120	1192	1259				
			BHP	0.31	0.40	0.50	0.60	0.71				
			Sones	8.8	9.6	10.7	11.5	12.0				
	2280	1500	RPM	1061	1141	1216	1287	1352	1470	1576		
			BHP	0.42	0.53	0.65	0.76	0.88	1.12	1.38		
			Sones	10.9	11.8	12.5	12.9	13.3	14.4	16.4		
	2640	1737	RPM	1182	1250	1320	1385	1448	1564	1666	1715	1762
			BHP	0.57	0.69	0.82	0.96	1.09	1.36	1.64	1.79	1.93
			Sones	13.5	13.8	14.1	14.6	15.1	15.9	17.4	18.4	19.5
	3000	1974	RPM	1306	1369	1429	1490	1548	1659	1761	1808	1853
			BHP	0.76	0.89	1.03	1.18	1.34	1.64	1.95	2.11	2.26
			Sones	15.4	15.8	16.1	16.6	17.1	18.6	19.9	21	21
	3360	2211	RPM	1432	1491	1545	1599	1654	1758	1857	1903	1948
			BHP	0.99	1.14	1.29	1.45	1.62	1.96	2.30	2.47	2.64
			Sones	17.6	18.0	18.4	18.9	19.6	21	23	23	23
	3720	2447	RPM	1560	1615	1667	1716	1764	1863	1955	2001	
			BHP	1.27	1.43	1.60	1.76	1.94	2.32	2.70	2.89	
			Sones	20	21	21	22	23	24	25	26	
	4080	2684	RPM	1690	1742	1790	1837	1881	1971			
			BHP	1.60	1.78	1.96	2.14	2.32	2.72			
			Sones	23	24	25	25	26	27			
	4440	2921	RPM	1821	1869	1916	1960	2002				
			BHP	1.99	2.18	2.38	2.58	2.77				
			Sones	27	28	28	29	30				
	4800	3158	RPM	1953	1999							
			BHP	2.44	2.65							
			Sones	32	32							

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-118 - Belt Drive

Series 100



Wheel Diameter = 18½ (470)

Shaft Diameter = 1 (25)

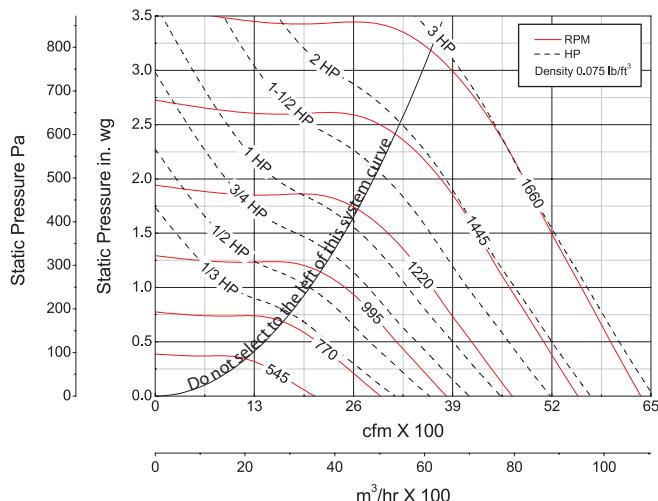
$$\text{Outlet Area} = 1.87 \text{ ft}^2 (0.17 \text{ m}^2)$$

[^]Approximate Unit Weight = 312 lb. (142 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 10

[^]Weight shown is largest catalogued Open Drip Proof motor



Maximum BHP at a given RPM = $(RPM/1150)^3$

Maximum RPM = 1660

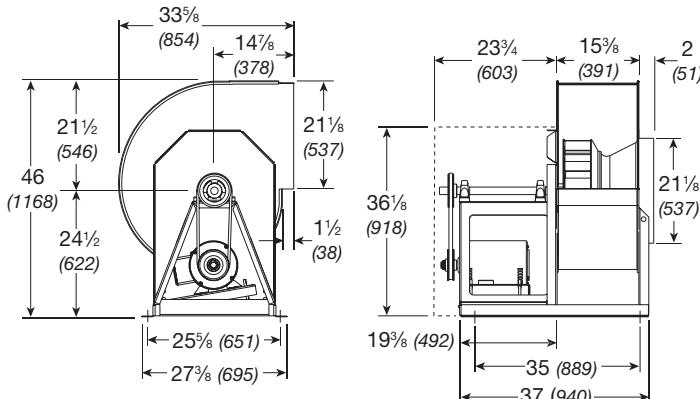
Tip Speed (ft/min.) = RPM x 4.78

Maximum Motor Frame Size = 213T

Model Number	CFM	OV	Static Pressure in Inches wg										
			0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	
SWB-118	1500	802	RPM	545	667								
			BHP	0.11	0.19								
			Sones	5.6	6.6								
	1900	1016	RPM	628	728	826							
			BHP	0.16	0.25	0.36							
			Sones	6.5	7.2	7.8							
	2300	1230	RPM	717	806	887	969	1044					
			BHP	0.24	0.34	0.45	0.58	0.71					
			Sones	7.7	8.2	8.9	9.9	11.2					
	2700	1444	RPM	808	892	964	1032	1102	1170	1233			
			BHP	0.34	0.46	0.59	0.71	0.86	1.01	1.17			
			Sones	9.1	9.8	10.5	11.4	12.5	13.3	14.3			
	3100	1658	RPM	902	980	1047	1109	1169	1229	1291	1349	1403	
			BHP	0.46	0.61	0.75	0.89	1.04	1.20	1.37	1.55	1.73	
			Sones	10.9	11.7	12.5	13.2	13.9	14.8	16.3	17.0	16.8	
	3500	1872	RPM	997	1070	1135	1191	1247	1301	1352	1407	1461	1513
			BHP	0.62	0.78	0.95	1.11	1.27	1.43	1.60	1.79	1.99	2.19
			Sones	13.1	14.1	14.6	15.2	15.8	17.0	17.9	17.5	17.8	18.4
	3900	2086	RPM	1095	1162	1223	1279	1329	1379	1428	1475	1521	1572
			BHP	0.82	1.00	1.18	1.36	1.54	1.72	1.90	2.08	2.27	2.49
			Sones	15.5	16.3	16.9	17.6	18.7	18.4	18.5	18.8	19.2	19.7
	4300	2299	RPM	1193	1256	1314	1367	1417	1462	1506	1552	1596	1638
			BHP	1.06	1.25	1.45	1.65	1.85	2.04	2.24	2.44	2.64	2.85
			Sones	17.6	18.6	19.7	19.8	20	20	20	20	21	21
	4700	2513	RPM	1291	1351	1405	1457	1505	1550	1591	1631		
			BHP	1.34	1.55	1.77	1.98	2.20	2.42	2.63	2.85		
			Sones	20	21	21	21	22	22	23	23		
	5100	2727	RPM	1391	1447	1499	1548	1594	1638				
			BHP	1.67	1.90	2.13	2.37	2.60	2.84				
			Sones	22	23	23	23	24	25				
	5500	2941	RPM	1491	1544	1593	1640						
			BHP	2.05	2.31	2.55	2.80						
			Sones	24	25	25	25						

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-120 - Belt Drive Series 100



Wheel Diameter = 21 1/8 (543)

Shaft Diameter = 1 (25)

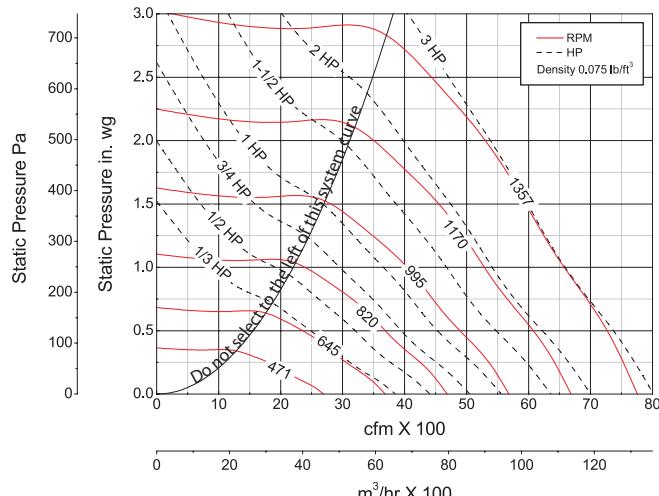
Outlet Area = 2.23 ft² (0.21 m²)

[^]Approximate Unit Weight = 374 lb. (170 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 10

[^]Weight shown is largest catalogued Open Drip Proof motor



Maximum BHP at a given RPM = (RPM/943)³

Maximum RPM = 1357

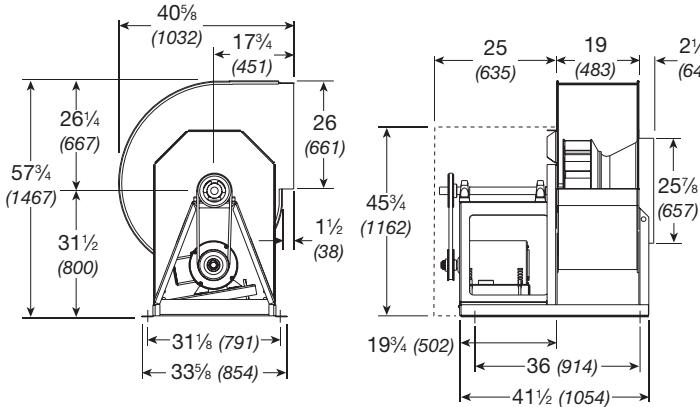
Tip Speed (ft/min.) = RPM x 5.23

Maximum Motor Frame Size = 215T

Model Number	CFM	OV	Static Pressure in Inches wg									
			0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5
SWB-120	1800	807	RPM	471	591							
			BHP	0.12	0.22							
			Sones	6.5	6.5							
	2250	1009	RPM	528	633	728	811					
			BHP	0.17	0.29	0.42	0.56					
			Sones	6.6	6.7	8.0	9.4					
	2700	1211	RPM	593	686	770	850	923	989			
			BHP	0.25	0.38	0.52	0.68	0.84	1.01			
			Sones	7.1	7.3	8.1	9.5	11.2	12.3			
	3150	1413	RPM	658	743	820	892	962	1028	1088	1145	
			BHP	0.34	0.49	0.64	0.81	0.99	1.18	1.37	1.57	
			Sones	7.9	8.3	9.1	10.2	11.2	12.4	13.5	14.6	
	3600	1614	RPM	723	807	877	943	1006	1068	1128	1184	1237
			BHP	0.45	0.62	0.79	0.98	1.17	1.37	1.58	1.80	2.02
			Sones	9.0	10.0	10.9	11.6	12.4	13.0	13.7	14.9	16.4
	4050	1816	RPM	791	873	937	999	1057	1113	1169	1223	1276
			BHP	0.59	0.79	0.97	1.17	1.38	1.59	1.82	2.05	2.29
			Sones	10.7	12.3	13.0	13.4	14.3	15.0	15.1	15.5	16.6
	4500	2018	RPM	861	937	1001	1057	1113	1166	1217	1267	1316
			BHP	0.75	0.98	1.19	1.40	1.62	1.85	2.09	2.33	2.58
			Sones	13.1	14.4	15.1	15.3	16.2	16.5	16.4	16.7	17.8
	4950	2220	RPM	931	1002	1067	1121	1171	1222	1270	1316	
			BHP	0.94	1.20	1.45	1.67	1.90	2.15	2.40	2.65	
			Sones	15.9	15.9	16.8	17.4	17.2	17.0	17.2	18.1	
	5400	2422	RPM	1003	1069	1132	1186	1234	1280	1327		
			BHP	1.16	1.45	1.73	1.98	2.23	2.48	2.75		
			Sones	17.6	17.8	18.5	18.5	18.1	18.0	18.7		
	5850	2623	RPM	1076	1137	1196	1252	1298	1342			
			BHP	1.42	1.74	2.04	2.34	2.60	2.87			
			Sones	19.3	19.8	19.3	19.3	19.7	20			
	6300	2825	RPM	1151	1207	1262	1316					
			BHP	1.73	2.06	2.40	2.71					
			Sones	21	21	20	21					

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-124 - Belt Drive Series 100



Wheel Diameter = 24 1/2 (622)

Shaft Diameter = 1 (25)

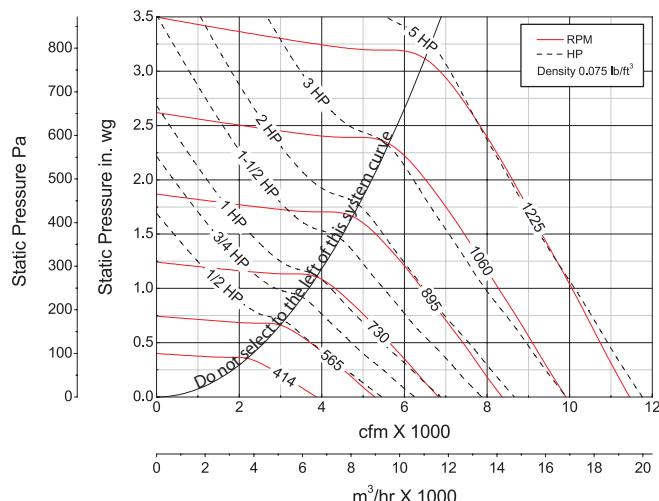
Outlet Area = 3.40 ft² (0.32 m²)

^Approximate Unit Weight = 546 lb. (248 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 10

^Weight shown is largest catalogued Open Drip Proof motor



Maximum BHP at a given RPM = (RPM/713)³

Maximum RPM = 1225

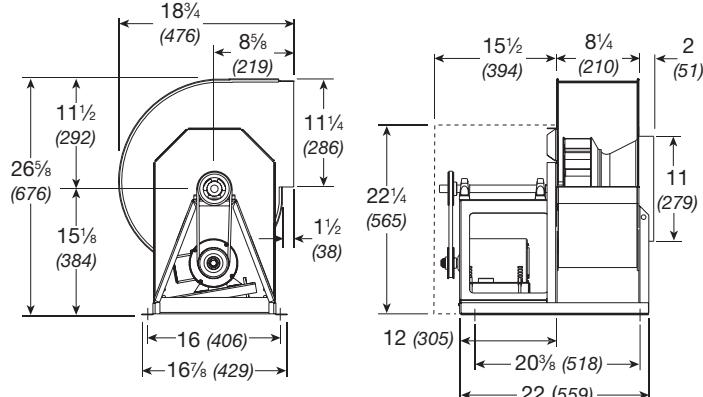
Tip Speed (ft/min.) = RPM x 6.41

Maximum Motor Frame Size = 256T

Model Number	CFM	OV	Static Pressure in Inches wg									
			0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5
SWB-124	2800	824	RPM	413								
			BHP	0.19								
			Sones	4.9								
	3400	1000	RPM	464	541							
			BHP	0.27	0.43							
			Sones	6.0	6.9							
	4000	1176	RPM	517	588	651						
			BHP	0.38	0.56	0.74						
			Sones	7.5	8.3	9.2						
	4600	1353	RPM	572	638	696	751					
			BHP	0.51	0.71	0.92	1.14					
			Sones	9.1	9.8	10.7	11.8					
	5200	1529	RPM	629	691	744	795	843				
			BHP	0.66	0.91	1.13	1.37	1.62				
			Sones	11.0	11.6	12.7	14.0	14.4				
	5800	1706	RPM	687	745	795	843	888	930			
			BHP	0.86	1.13	1.39	1.64	1.91	2.18			
			Sones	12.9	13.8	15.5	15.6	15.3	15.7			
	6400	1882	RPM	746	800	849	893	935	976	1014	1055	
			BHP	1.09	1.38	1.68	1.96	2.24	2.54	2.83	3.15	
			Sones	14.7	16.4	16.8	17.2	17.3	17.6	18.0	18.5	
	7000	2059	RPM	806	856	903	945	984	1024	1061	1097	1132
			BHP	1.37	1.68	2.01	2.32	2.63	2.94	3.26	3.59	3.92
			Sones	16.5	17.6	18.2	19.2	19.8	19.9	20	20	21
	7600	2235	RPM	867	913	958	999	1037	1073	1109	1144	1177
			BHP	1.69	2.03	2.38	2.74	3.07	3.40	3.74	4.09	4.44
			Sones	18.0	19.0	19.9	21	22	22	22	23	23
	8200	2412	RPM	927	971	1013	1053	1090	1125	1158	1192	1224
			BHP	2.07	2.43	2.80	3.19	3.56	3.92	4.28	4.64	5.02
			Sones	20	21	22	23	24	25	25	25	25
	8800	2588	RPM	989	1030	1070	1108	1144	1178	1210		
			BHP	2.50	2.88	3.27	3.69	4.11	4.49	4.87		
			Sones	23	23	24	24	25	26	26		

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-206 - Belt Drive Series 200



Wheel Diameter = 11 1/8 (283)

Shaft Diameter = 3/4 (19)

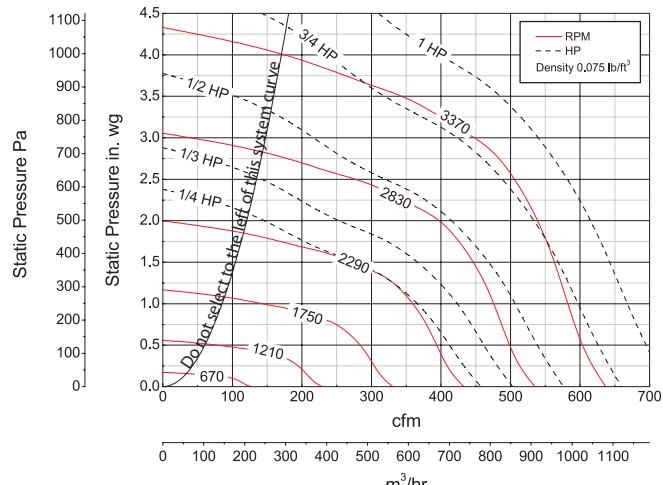
Outlet Area = 0.63 ft² (0.06 m²)

[^]Approximate Unit Weight = 140 lb. (64 kg)

All dimensions in inches (millimeters)

For additional discharge positions see page 10

[^]Weight shown is largest catalogued Open Drip Proof motor



Maximum BHP at a given RPM = (RPM/3629)³

Maximum RPM = 3370

Tip Speed (ft/min.) = RPM x 2.91

Maximum Motor Frame Size = 145T

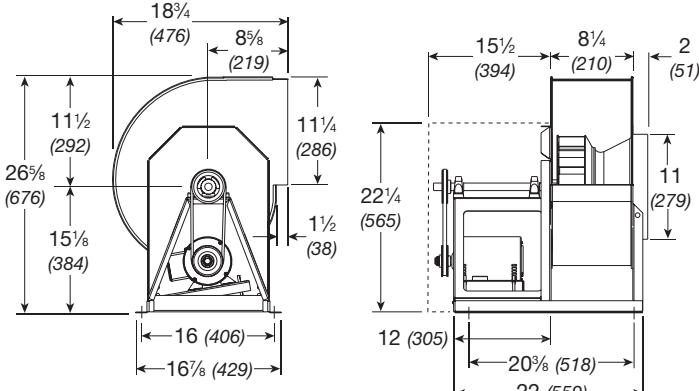
Model Number	CFM	OV	Static Pressure in Inches wg										
			0.5	1	1.5	1.75	2	2.5	2.75	3	3.5	3.75	
SWB-206	70	111	RPM	1201									
			BHP	0.03									
			Sones	6.4									
	120	190	RPM	1262	1722	2079	2238						
			BHP	0.04	0.09	0.16	0.20						
			Sones	6.8	9.2	11.9	13.2						
	170	270	RPM	1350	1786	2137	2292	2435	2698	2822	2941	3165	3272
			BHP	0.05	0.11	0.19	0.23	0.27	0.35	0.40	0.45	0.56	0.62
			Sones	7.4	9.8	12.5	13.8	15.0	17.8	19.1	20	22	24
	220	349	RPM	1489	1868	2203	2355	2497	2760	2881	2997	3216	3319
			BHP	0.07	0.13	0.22	0.26	0.31	0.40	0.45	0.51	0.61	0.67
			Sones	8.0	10.7	13.3	14.5	15.8	18.6	19.7	21	23	24
	270	429	RPM	1693	1975	2289	2429	2566	2825	2945	3059	3277	
			BHP	0.10	0.16	0.25	0.29	0.35	0.45	0.51	0.57	0.68	
			Sones	9.0	11.8	14.2	15.3	16.7	19.4	20	22	24	
	320	508	RPM	1921	2138	2395	2529	2659	2898	3014	3128	3343	
			BHP	0.14	0.20	0.28	0.33	0.39	0.50	0.56	0.62	0.75	
			Sones	10.5	12.9	15.2	16.5	17.8	20	21	22	25	
	370	587	RPM	2169	2341	2540	2643	2767	2998	3108	3213		
			BHP	0.19	0.26	0.34	0.39	0.44	0.55	0.62	0.68		
			Sones	12.1	14.2	16.4	17.6	19.0	21	22	23		
	420	667	RPM	2422	2567	2721	2817	2907	3108	3213	3313		
			BHP	0.26	0.33	0.41	0.46	0.51	0.62	0.68	0.74		
			Sones	13.7	15.8	18.1	19.2	20	22	23	24		
	470	746	RPM	2678	2802	2943	3010	3087	3252	3330			
			BHP	0.35	0.42	0.51	0.55	0.60	0.71	0.77			
			Sones	15.8	17.7	19.7	21	22	24	24			
	520	825	RPM	2936	3051	3170	3234	3296					
			BHP	0.45	0.53	0.62	0.67	0.72					
			Sones	18.5	19.3	21	22	23					
	570	905	RPM	3196	3303								
			BHP	0.58	0.67								
			Sones	22	21								

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-207 - Belt Drive Series 200



Building Value in Air.



Wheel Diameter = 11 1/8 (283)

Shaft Diameter = 3/4 (19)

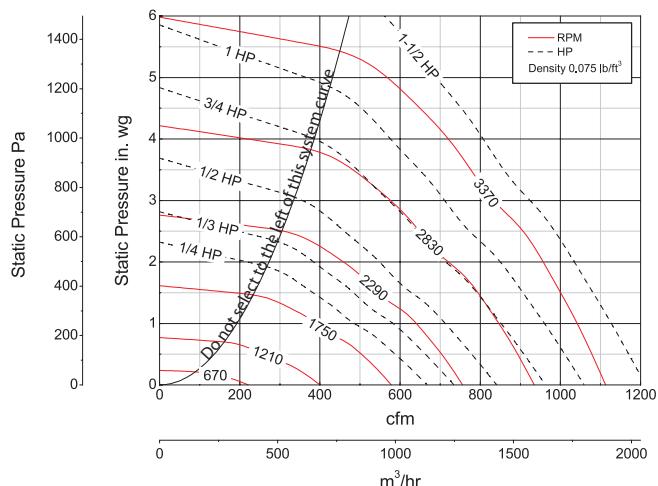
Outlet Area = 0.63 ft² (0.06 m²)

[^]Approximate Unit Weight = 140 lb. (64 kg)

All dimensions in inches (millimeters)

For additional discharge positions see page 10

[^]Weight shown is largest catalogued Open Drip Proof motor



Maximum BHP at a given RPM = (RPM/3099)³

Maximum RPM = 3370

Tip Speed (ft/min.) = RPM x 2.91

Maximum Motor Frame Size = 145T

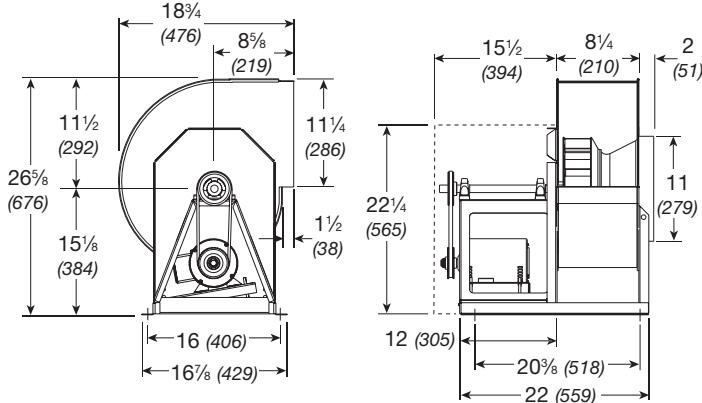
Model Number	CFM	OV	Static Pressure in Inches wg										
			0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	
SWB-207	200	317	RPM	1098	1458								
			BHP	0.04	0.10								
			Sones	6.2	9.1								
	280	444	RPM	1244	1549	1808	2060						
			BHP	0.06	0.12	0.19	0.27						
			Sones	7.3	9.7	11.1	13.3						
	360	571	RPM	1415	1687	1923	2139	2333	2534				
			BHP	0.09	0.16	0.23	0.32	0.40	0.51				
			Sones	8.5	10.7	12.1	14.1	15.7	17.7				
	440	698	RPM	1591	1855	2064	2259	2446	2618	2777	2941	3103	3255
			BHP	0.13	0.21	0.29	0.38	0.48	0.58	0.68	0.80	0.94	1.07
			Sones	10.0	12.4	14.2	15.5	17.4	19.1	21	22	24	25
	520	825	RPM	1793	2023	2230	2406	2577	2735	2893	3040	3179	3311
			BHP	0.19	0.28	0.37	0.47	0.57	0.68	0.79	0.91	1.03	1.16
			Sones	12.6	15.0	16.5	17.9	19.5	21	23	24	25	26
	600	952	RPM	2007	2195	2404	2574	2725	2878	3021	3158	3295	
			BHP	0.26	0.35	0.47	0.57	0.68	0.80	0.92	1.04	1.17	
			Sones	16.0	17.1	18.9	21	22	24	25	26	27	
	680	1079	RPM	2226	2395	2565	2751	2898	3034	3168	3300		
			BHP	0.36	0.45	0.57	0.70	0.81	0.93	1.06	1.20		
			Sones	18.4	19.5	21	23	25	25	26	28		
	760	1206	RPM	2449	2600	2751	2911	3075	3208	3332			
			BHP	0.47	0.58	0.69	0.83	0.97	1.11	1.24			
			Sones	22	23	24	26	27	28	29			
	840	1333	RPM	2678	2815	2951	3084	3235					
			BHP	0.61	0.73	0.85	0.98	1.13					
			Sones	25	27	27	28	29					
	920	1460	RPM	2909	3034	3156	3282						
			BHP	0.78	0.90	1.03	1.17						
			Sones	28	29	30	31						
	1000	1587	RPM	3142	3255								
			BHP	0.97	1.11								
			Sones	30	32								

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-208 - Belt Drive Series 200



Building Value in Air.



Wheel Diameter = 11 1/8 (283)

Shaft Diameter = 3/4 (19)

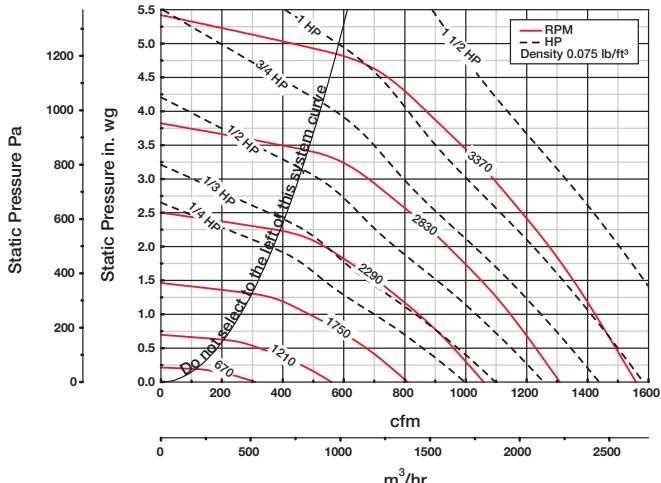
Outlet Area = 0.63 ft² (0.06 m²)

[^]Approximate Unit Weight = 140 lb. (64 kg)

All dimensions in inches (millimeters)

For additional discharge positions see page 10

[^]Weight shown is largest catalogued Open Drip Proof motor



Maximum BHP at a given RPM = (RPM/3242)³

Maximum RPM = 3370

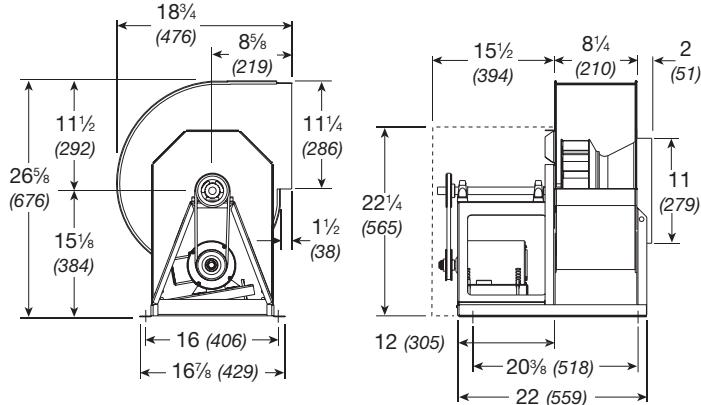
Tip Speed (ft/min.) = RPM x 2.91

Maximum Motor Frame Size = 145T

Model Number	CFM	OV	Static Pressure in Inches wg									
			0.5	0.75	1	1.5	2	2.5	3	3.5	4	4.5
SWB-208	250	397	RPM	1125	1343							
			BHP	0.04	0.06							
			Sones	7.0	8.0							
	370	587	RPM	1270	1451	1610	1909	2172				
			BHP	0.06	0.09	0.11	0.18	0.26				
			Sones	7.7	8.3	8.8	10.9	13.2				
	490	778	RPM	1445	1606	1753	2014	2240	2472	2681	2874	
			BHP	0.09	0.12	0.16	0.23	0.30	0.39	0.49	0.59	
			Sones	8.6	9.1	9.7	11.4	13.1	15.3	17.6	19.9	
	610	968	RPM	1640	1785	1918	2160	2378	2575	2755	2941	3121
			BHP	0.12	0.16	0.21	0.29	0.38	0.47	0.56	0.67	0.79
			Sones	9.2	10.5	11.3	12.5	14.4	16.2	18.1	21	23
	730	1159	RPM	1852	1980	2101	2323	2528	2715	2892	3056	3210
			BHP	0.18	0.22	0.27	0.37	0.47	0.57	0.68	0.79	0.90
			Sones	11.2	12.4	12.9	13.8	14.8	17.8	19.9	22	23
	850	1349	RPM	2076	2189	2298	2505	2693	2871	3039	3196	3348
			BHP	0.24	0.29	0.34	0.45	0.57	0.69	0.81	0.93	1.06
			Sones	13.5	14.1	14.6	15.6	16.5	17.6	18.6	22	23
	970	1540	RPM	2310	2409	2507	2697	2874	3041	3198	3350	
			BHP	0.33	0.38	0.44	0.56	0.69	0.82	0.95	1.09	
			Sones	15.3	16.0	16.6	17.7	18.6	19.5	20	21	
	1090	1730	RPM	2548	2637	2725	2896	3065	3222			
			BHP	0.44	0.50	0.56	0.69	0.82	0.97			
			Sones	17.5	18.1	18.8	20	21	21			
	1210	1921	RPM	2790	2872	2951	3110	3263				
			BHP	0.57	0.63	0.70	0.84	0.98				
			Sones	19.9	21	21	22	23				
	1330	2111	RPM	3035	3111	3184	3329					
			BHP	0.73	0.80	0.87	1.02					
			Sones	22	23	24	25					
	1450	2302	RPM	3282	3352							
			BHP	0.91	0.99							
			Sones	26	25							

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-210 - Belt Drive Series 200



Wheel Diameter = 11 1/8 (283)

Shaft Diameter = 3/4 (19)

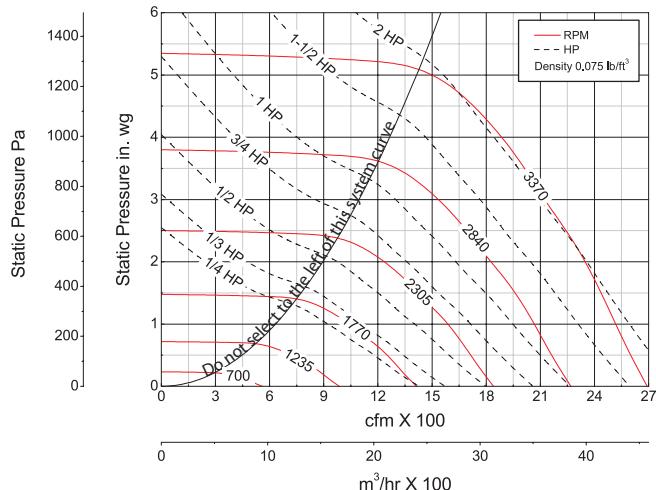
Outlet Area = 0.63 ft² (0.06 m²)

[^]Approximate Unit Weight = 140 lb. (64 kg)

All dimensions in inches (millimeters)

For additional discharge positions see page 10

[^]Weight shown is largest catalogued Open Drip Proof motor



Maximum BHP at a given RPM = (RPM/2649)³

Maximum RPM = 3370

Tip Speed (ft/min.) = RPM x 2.91

Maximum Motor Frame Size = 145T

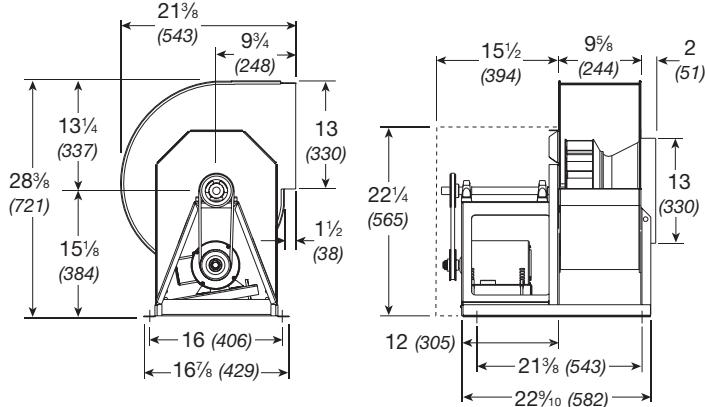
Model Number	CFM	OV	Static Pressure in Inches wg										
			0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	
SWB-210	625	992	RPM	1158	1501	1809							
			BHP	0.08	0.17	0.27							
			Sones	6.3	7.6	9.4							
	800	1270	RPM	1311	1583	1846	2106	2334					
			BHP	0.12	0.21	0.31	0.44	0.58					
			Sones	7.4	8.2	9.8	11.9	13.9					
	975	1548	RPM	1480	1714	1936	2143	2371	2578	2768			
			BHP	0.17	0.27	0.38	0.50	0.65	0.81	0.97			
			Sones	8.6	9.5	10.7	12.4	14.3	15.4	16.6			
	1150	1825	RPM	1661	1872	2063	2250	2431	2615	2805	2982	3148	3305
			BHP	0.24	0.35	0.47	0.60	0.74	0.90	1.07	1.26	1.45	1.65
			Sones	10.0	11.0	12.3	13.9	14.8	15.8	17.1	18.3	19.5	21
	1325	2103	RPM	1853	2041	2214	2379	2541	2704	2854	3019	3185	3342
			BHP	0.32	0.45	0.58	0.72	0.87	1.03	1.19	1.38	1.58	1.79
			Sones	11.9	12.9	14.3	15.2	15.9	16.7	17.6	18.8	20	21
	1500	2381	RPM	2054	2214	2381	2528	2676	2815	2964	3103	3235	
			BHP	0.43	0.57	0.72	0.87	1.03	1.20	1.37	1.55	1.73	
			Sones	14.0	15.1	16.0	16.6	17.3	18.1	18.8	19.6	21	
	1675	2659	RPM	2258	2402	2550	2694	2825	2958	3082	3214	3344	
			BHP	0.56	0.71	0.88	1.05	1.21	1.39	1.58	1.77	1.96	
			Sones	16.5	17.0	17.6	18.3	19.0	19.7	20	21	22	
	1850	2937	RPM	2465	2594	2724	2863	2990	3108	3229	3345		
			BHP	0.72	0.89	1.06	1.25	1.43	1.61	1.81	2.01		
			Sones	18.3	18.7	19.3	20	21	21	22	23		
	2025	3214	RPM	2674	2793	2913	3034	3159	3274				
			BHP	0.91	1.09	1.28	1.47	1.68	1.88				
			Sones	20	21	21	22	23	23				
	2200	3492	RPM	2885	2996	3104	3214	3329					
			BHP	1.13	1.33	1.53	1.73	1.95					
			Sones	22	23	24	24	25					
	2375	3770	RPM	3096	3201	3300							
			BHP	1.39	1.60	1.82							
			Sones	25	25	26							

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-212 - Belt Drive Series 200



Building Value in Air.



Wheel Diameter = 12 1/4 (311)

Shaft Diameter = 1 (25)

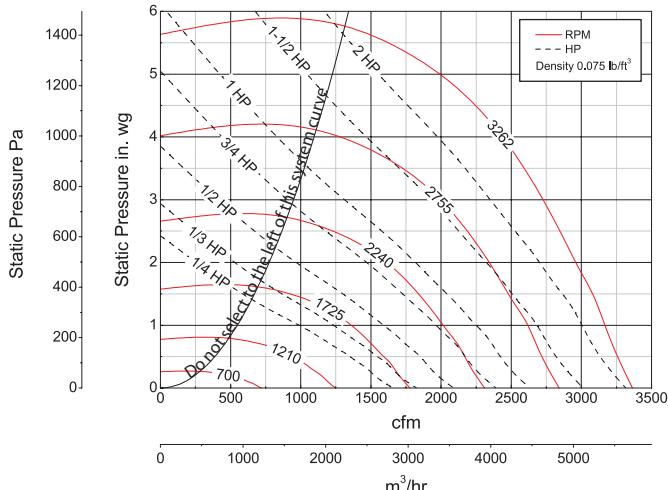
Outlet Area = 0.85 ft² (0.08 m²)

[^]Approximate Unit Weight = 170 lb. (77 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 10

[^]Weight shown is largest catalogued Open Drip Proof motor



Maximum BHP at a given RPM = (RPM/2372)³

Maximum RPM = 3262

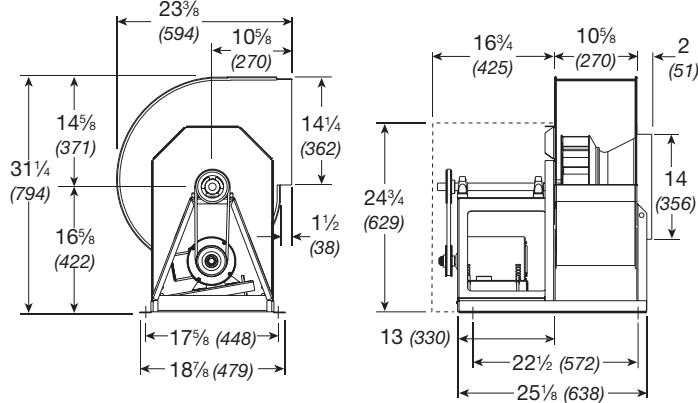
Tip Speed (ft/min.) = RPM x 3.21

Maximum Motor Frame Size = 145T

Model Number	CFM	OV	Static Pressure in Inches wg										
			0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	
SWB-212	600	706	RPM	1022	1372								
			BHP	0.08	0.16								
			Sones	6.0	7.9								
	850	1000	RPM	1150	1447	1710	1941						
			BHP	0.11	0.21	0.33	0.45						
			Sones	7.2	8.5	10.4	12.7						
	1100	1294	RPM	1325	1561	1799	2005	2208	2392	2562	2719		
			BHP	0.17	0.28	0.42	0.56	0.71	0.87	1.03	1.20		
			Sones	8.7	9.8	11.4	13.6	15.2	16.5	17.8	19.0		
	1350	1588	RPM	1522	1728	1913	2113	2291	2457	2625	2783	2931	3071
			BHP	0.25	0.38	0.52	0.68	0.85	1.03	1.21	1.40	1.59	1.79
			Sones	10.5	11.7	13.2	14.9	16.0	17.2	18.5	19.8	21	23
	1600	1882	RPM	1732	1905	2080	2233	2404	2564	2712	2851	2995	3135
			BHP	0.36	0.51	0.67	0.84	1.02	1.21	1.41	1.62	1.83	2.05
			Sones	12.8	14.0	15.7	16.5	17.4	18.4	19.5	21	22	23
	1850	2176	RPM	1947	2104	2255	2403	2538	2679	2825	2962	3091	
			BHP	0.50	0.66	0.84	1.03	1.22	1.43	1.65	1.87	2.10	
			Sones	15.6	16.8	17.6	18.4	19.2	20	21	22	23	
	2100	2471	RPM	2177	2312	2443	2578	2708	2830	2944	3076		
			BHP	0.69	0.86	1.05	1.26	1.47	1.69	1.91	2.16		
			Sones	18.4	19.0	19.7	21	21	22	23	24		
	2350	2765	RPM	2409	2524	2646	2761	2883	3001	3112			
			BHP	0.92	1.10	1.31	1.53	1.76	2.00	2.24			
			Sones	21	21	22	23	24	25	26			
	2600	3059	RPM	2641	2739	2855	2962	3065					
			BHP	1.20	1.39	1.62	1.85	2.10					
			Sones	23	24	25	26	27					
	2850	3353	RPM	2874	2968	3067	3169						
			BHP	1.53	1.75	1.98	2.23						
			Sones	27	27	28	29						
	3100	3647	RPM	3108	3199								
			BHP	1.91	2.17								
			Sones	30	31								

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-213 - Belt Drive Series 200



Wheel Diameter = 13 1/2 (343)

Shaft Diameter = 1 (25)

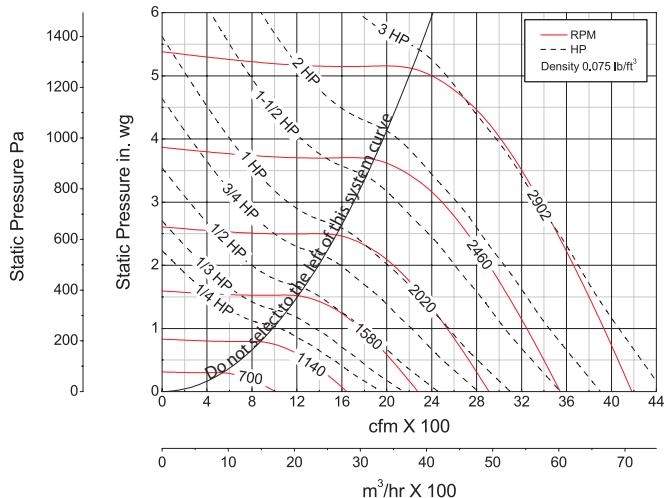
Outlet Area = 1.03 ft² (0.10 m²)

[^]Approximate Unit Weight = 183 lb. (83 kg)

All dimensions in inches (millimeters)

For additional discharge positions see page 10

[^]Weight shown is largest catalogued Open Drip Proof motor



Maximum BHP at a given RPM = (RPM/2002)³

Maximum RPM = 2902

Tip Speed (ft/min.) = RPM x 3.53

Maximum Motor Frame Size = 184T

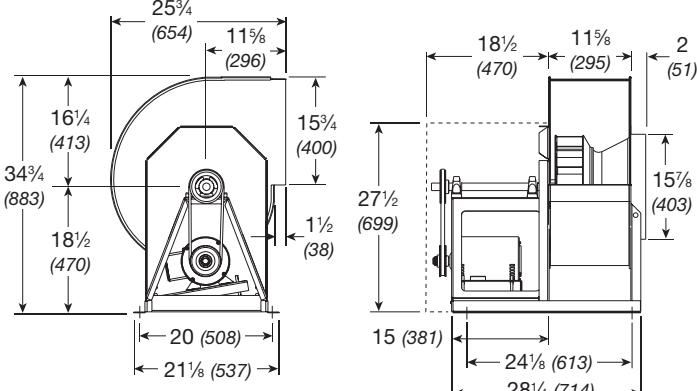
Model Number	CFM	OV	Static Pressure in Inches wg										
			0.5	0.75	1	1.5	2	2.5	3	3.5	4	4.5	
SWB-213	1000	971	RPM	998	1144	1287							
			BHP	0.12	0.18	0.24							
			Sones	6.9	7.5	8.4							
	1280	1243	RPM	1134	1248	1358	1585						
			BHP	0.18	0.24	0.31	0.46						
			Sones	8.2	8.7	9.2	11.0						
	1560	1515	RPM	1290	1384	1478	1660	1850	2034				
			BHP	0.26	0.33	0.40	0.56	0.74	0.95				
			Sones	9.6	10.2	10.8	12.2	14.2	15.8				
	1840	1786	RPM	1457	1540	1619	1778	1931	2093	2249			
			BHP	0.37	0.45	0.53	0.70	0.89	1.10	1.32			
			Sones	11.5	12.0	12.6	14.1	15.5	16.5	17.7			
	2120	2058	RPM	1629	1703	1775	1913	2051	2181	2318	2462	2596	2730
			BHP	0.51	0.59	0.69	0.87	1.08	1.29	1.52	1.77	2.03	2.31
			Sones	13.7	14.2	15.0	16.3	17.1	17.9	18.8	19.8	21	23
	2400	2330	RPM	1807	1874	1938	2063	2184	2307	2423	2543	2665	2790
			BHP	0.68	0.78	0.88	1.09	1.30	1.53	1.78	2.03	2.29	2.58
			Sones	16.4	17.0	17.3	18.1	18.8	19.7	20	21	22	24
	2680	2602	RPM	1987	2048	2107	2222	2332	2440	2550	2656	2758	2869
			BHP	0.89	1.01	1.12	1.34	1.58	1.81	2.07	2.34	2.62	2.90
			Sones	18.8	19.0	19.3	20	21	22	23	24	25	26
	2960	2874	RPM	2170	2226	2280	2386	2489	2587	2685	2784	2884	
			BHP	1.14	1.27	1.40	1.64	1.89	2.16	2.42	2.69	2.99	
			Sones	21	21	21	22	23	24	25	26	27	
	3240	3146	RPM	2355	2407	2457	2555	2650	2744	2832			
			BHP	1.44	1.58	1.72	1.99	2.26	2.54	2.83			
			Sones	23	23	24	25	26	27	28			
	3520	3417	RPM	2541	2589	2636	2727	2816					
			BHP	1.79	1.94	2.10	2.40	2.68					
			Sones	26	26	27	27	28					
	3800	3689	RPM	2729	2773	2817							
			BHP	2.19	2.36	2.53							
			Sones	29	30	30							

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-215 - Belt Drive Series 200



Building Value in Air.



Wheel Diameter = 15 (381)

Shaft Diameter = 1 (25)

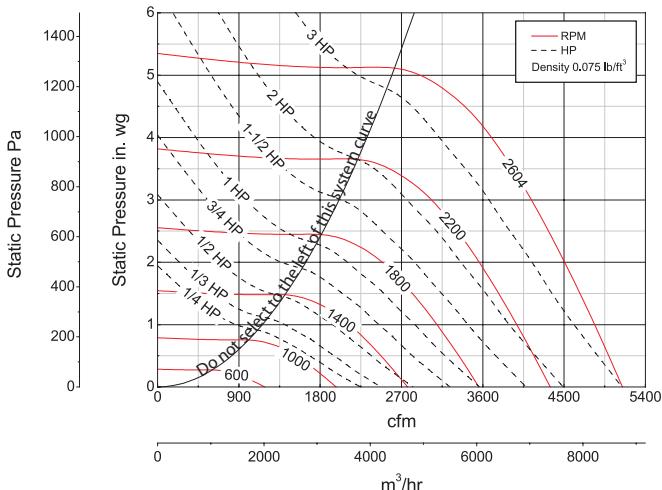
Outlet Area = 1.25 ft² (0.12 m²)

[^]Approximate Unit Weight = 231 lb. (105 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 10

[^]Weight shown is largest catalogued Open Drip Proof motor



Maximum BHP at a given RPM = (RPM/1679)³

Maximum RPM = 2604

Tip Speed (ft/min.) = RPM x 3.93

Maximum Motor Frame Size = 184T

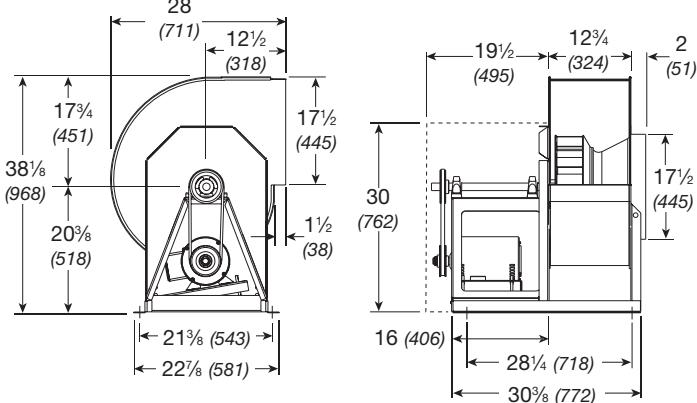
Model Number	CFM	OV	Static Pressure in Inches wg										
			0.5	0.75	1	1.5	2	2.5	3	3.5	4	4.5	
SWB-215	1200	960	RPM	886	1024	1157							
			BHP	0.15	0.21	0.29							
			Sones	6.9	7.5	8.5							
	1550	1240	RPM	1009	1112	1214	1421						
			BHP	0.22	0.29	0.37	0.56						
			Sones	8.2	8.7	9.3	11.2						
	1900	1520	RPM	1150	1236	1322	1487	1661	1830				
			BHP	0.32	0.40	0.49	0.68	0.91	1.16				
			Sones	9.7	10.2	10.8	12.3	14.4	15.9				
	2250	1800	RPM	1301	1377	1449	1593	1732	1879	2020	2165		
			BHP	0.45	0.54	0.64	0.85	1.09	1.34	1.61	1.92		
			Sones	11.5	12.1	12.7	14.2	15.6	16.6	17.9	19.3		
	2600	2080	RPM	1458	1525	1591	1715	1840	1958	2083	2213	2333	2456
			BHP	0.62	0.72	0.84	1.07	1.32	1.58	1.86	2.17	2.48	2.83
			Sones	13.8	14.3	15.0	16.3	17.2	18.0	19.0	20	21	23
	2950	2360	RPM	1620	1680	1738	1852	1961	2072	2176	2285	2396	
			BHP	0.83	0.96	1.08	1.33	1.59	1.88	2.18	2.49	2.81	
			Sones	16.5	17.0	17.4	18.2	19.0	19.8	21	22	23	
	3300	2640	RPM	1785	1839	1893	1996	2095	2193	2293	2388		
			BHP	1.09	1.23	1.37	1.65	1.94	2.23	2.54	2.88		
			Sones	19.0	19.2	19.4	20	21	22	23	24		
	3650	2920	RPM	1951	2001	2050	2145	2238	2326	2416			
			BHP	1.41	1.56	1.72	2.02	2.33	2.66	2.98			
			Sones	21	21	22	22	23	24	25			
	4000	3200	RPM	2120	2166	2211	2299	2385					
			BHP	1.78	1.95	2.13	2.46	2.79					
			Sones	24	24	24	25	26					
	4350	3480	RPM	2290	2332	2374	2456						
			BHP	2.21	2.41	2.60	2.97						
			Sones	26	27	27	28						
	4700	3760	RPM	2460	2500								
			BHP	2.72	2.93								
			Sones	30	30								

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-216 - Belt Drive Series 200



Building Value in Air.



Wheel Diameter = 16 1/2 (419)

Shaft Diameter = 1 1/4 (32)

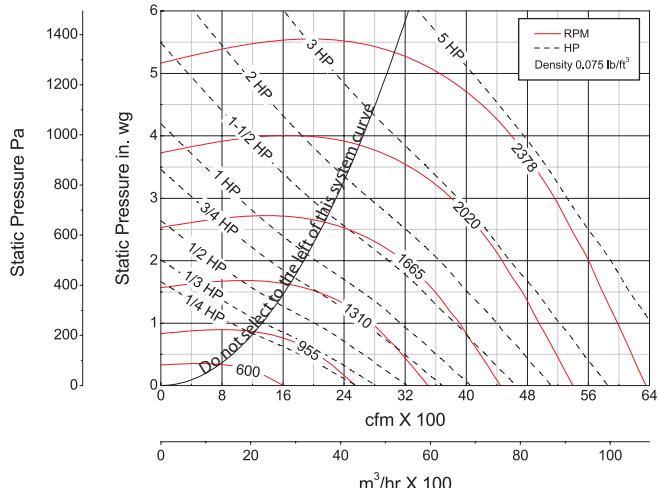
Outlet Area = 1.52 ft² (0.14 m²)

[^]Approximate Unit Weight = 251 lb. (114 kg)

All dimensions in inches (millimeters)

For additional discharge positions see page 10

[^]Weight shown is largest catalogued Open Drip Proof motor



Maximum BHP at a given RPM = $(RPM/1414)^3$

Maximum RPM = 2378

Tip Speed (ft/min.) = RPM x 4.32

Maximum Motor Frame Size = 184T

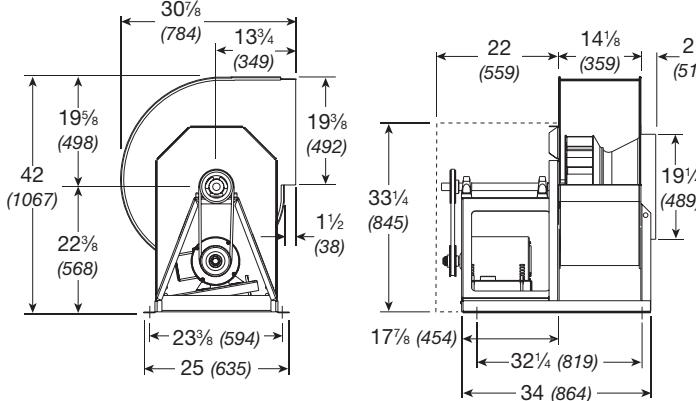
Model Number	CFM	OV	Static Pressure in Inches wg										
			0.5	0.75	1	1.5	2	2.5	3	3.5	4	4.5	
SWB-216	1200	789	RPM	762	900								
			BHP	0.15	0.22								
			Sones	5.9	6.9								
	1650	1086	RPM	848	959	1072	1267						
			BHP	0.22	0.31	0.40	0.61						
			Sones	7.1	7.6	8.4	10.4						
	2100	1382	RPM	970	1059	1147	1322	1487	1632				
			BHP	0.32	0.42	0.53	0.77	1.03	1.30				
			Sones	8.5	9.0	9.6	11.1	13.3	14.8				
	2550	1678	RPM	1109	1182	1255	1400	1543	1687	1818	1939		
			BHP	0.46	0.58	0.70	0.96	1.25	1.56	1.88	2.21		
			Sones	10.1	10.6	11.2	12.7	14.4	15.6	16.8	18.1		
	3000	1974	RPM	1256	1320	1381	1505	1629	1749	1874	1994	2106	2211
			BHP	0.65	0.79	0.92	1.20	1.52	1.85	2.20	2.57	2.94	3.33
			Sones	12.2	12.7	13.3	14.7	15.7	16.6	17.6	18.9	20	21
	3450	2270	RPM	1410	1462	1520	1626	1734	1841	1949	2050	2162	2267
			BHP	0.90	1.04	1.20	1.51	1.84	2.20	2.57	2.96	3.38	3.80
			Sones	14.6	15.1	15.7	16.6	17.4	18.3	19.2	20	21	22
	3900	2566	RPM	1566	1616	1661	1758	1853	1950	2042	2141	2234	2324
			BHP	1.21	1.37	1.53	1.89	2.24	2.61	3.01	3.43	3.86	4.30
			Sones	17.5	17.6	17.9	18.5	19.3	20	21	22	23	24
	4350	2862	RPM	1724	1770	1813	1900	1985	2069	2156	2239	2326	
			BHP	1.59	1.78	1.95	2.34	2.73	3.11	3.53	3.97	4.43	
			Sones	19.7	19.9	20	21	21	22	23	24	25	
	4800	3158	RPM	1884	1926	1967	2042	2124	2200	2277	2355		
			BHP	2.05	2.25	2.45	2.85	3.29	3.72	4.14	4.60		
			Sones	22	22	23	23	24	25	26	27		
	5250	3454	RPM	2046	2084	2123	2194	2265	2338				
			BHP	2.60	2.81	3.04	3.46	3.92	4.41				
			Sones	25	25	25	26	27	28				
	5700	3750	RPM	2208	2244	2279	2348						
			BHP	3.25	3.47	3.71	4.19						
			Sones	28	29	29	30						

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-218 - Belt Drive Series 200



Building Value in Air.



Wheel Diameter = 18 1/4 (464)

Shaft Diameter = 1 1/4 (32)

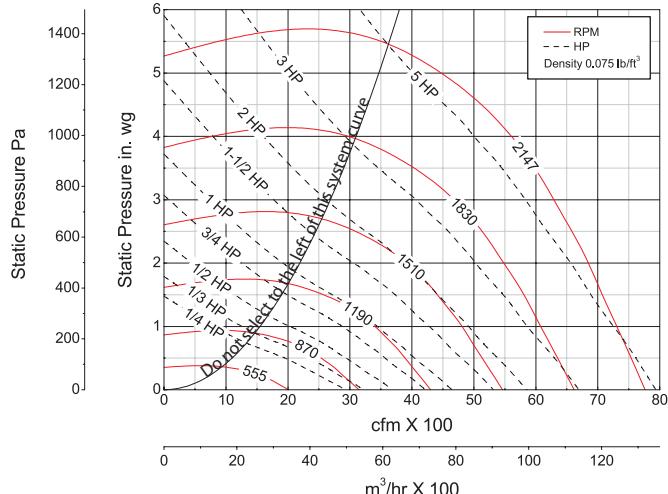
Outlet Area = 1.87 ft² (0.17 m²)

[^]Approximate Unit Weight = 324 lb. (147 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 10

[^]Weight shown is largest catalogued Open Drip Proof motor



Maximum BHP AT at a given RPM = (RPM/1196)³

Maximum RPM = 2147

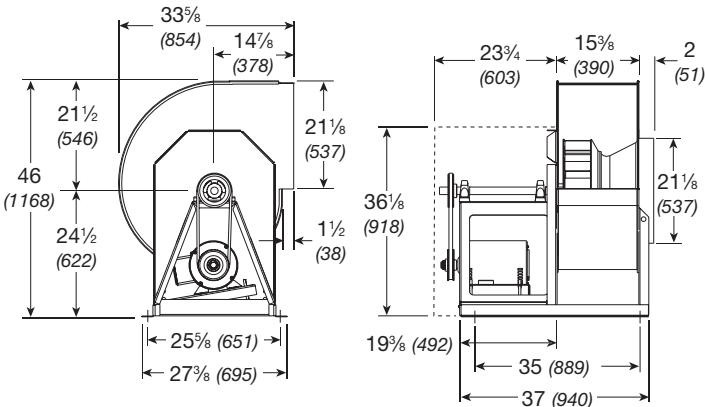
Tip Speed (ft/min.) = RPM x 4.78

Maximum Motor Frame Size = 213T

Model Number	CFM	OV	Static Pressure in Inches wg										
			0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	
SWB-218	2000	1070	RPM	762	963	1136							
			BHP	0.26	0.49	0.75							
			Sones	10.1	11.3	13.4							
	2500	1337	RPM	862	1023	1185	1330	1459					
			BHP	0.37	0.62	0.92	1.24	1.58					
			Sones	10.1	11.6	13.0	15.2	17.9					
	3000	1604	RPM	974	1110	1245	1380	1507	1623	1730			
			BHP	0.52	0.80	1.12	1.47	1.85	2.24	2.65			
			Sones	11.5	12.6	13.9	15.5	18.3	21	24			
	3500	1872	RPM	1092	1211	1327	1443	1557	1672	1779	1878	1971	2060
			BHP	0.72	1.03	1.36	1.74	2.15	2.58	3.02	3.48	3.95	4.43
			Sones	13.6	14.2	15.2	16.8	19.1	22	25	27	29	31
	4000	2139	RPM	1218	1322	1423	1525	1626	1727	1828	1927	2020	2108
			BHP	0.97	1.32	1.68	2.07	2.51	2.95	3.43	3.93	4.44	4.96
			Sones	15.7	16.4	17.3	18.7	21	23	25	27	29	32
	4500	2406	RPM	1346	1438	1530	1619	1709	1800	1890	1979	2069	
			BHP	1.28	1.66	2.07	2.48	2.92	3.41	3.90	4.42	4.96	
			Sones	18.2	18.8	19.6	21	23	24	26	28	30	
	5000	2764	RPM	1475	1557	1643	1723	1804	1885	1967	2048		
			BHP	1.66	2.08	2.52	2.97	3.43	3.91	4.45	5.00		
			Sones	21	21	22	24	25	26	28	29		
	5500	2941	RPM	1605	1683	1758	1834	1907	1981	2055			
			BHP	2.10	2.58	3.04	3.54	4.03	4.54	5.07			
			Sones	24	24	25	26	27	28	30			
	6000	3209	RPM	1737	1810	1877	1949	2017	2084				
			BHP	2.63	3.15	3.65	4.18	4.72	5.25				
			Sones	27	28	28	29	30	31				
	6500	3476	RPM	1869	1938	2002	2065	2131					
			BHP	3.26	3.81	4.37	4.91	5.49					
			Sones	31	31	31	32	33					
	7000	3743	RPM	2003	2067	2128							
			BHP	3.98	4.57	5.18							
			Sones	34	35	35							

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-220 - Belt Drive Series 200



Wheel Diameter = 20 (508)

Shaft Diameter = 1 1/4 (32)

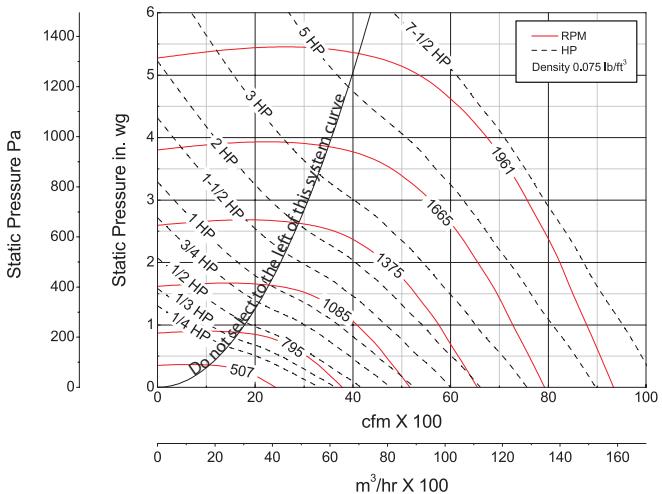
Outlet Area = 2.23 ft² (0.21 m²)

[^]Approximate Unit Weight = 389 lb. (176 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 10

[^]Weight shown is largest catalogued Open Drip Proof motor



Maximum BHP at a given RPM = $(RPM/1027)^3$

Maximum RPM = 1961

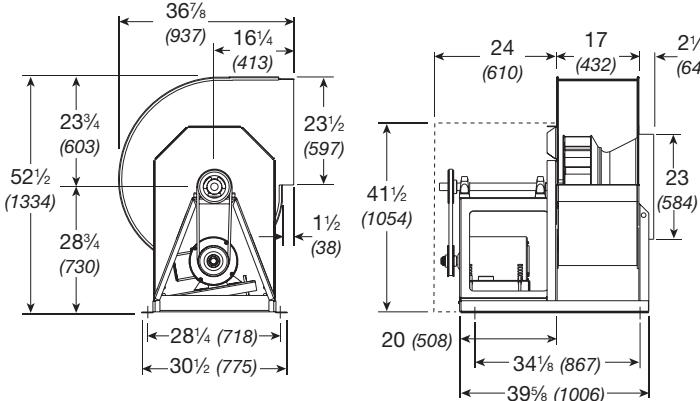
Tip Speed (ft/min.) = RPM x 5.23

Maximum Motor Frame Size = 215T

Model Number	CFM	OV	Static Pressure in Inches wg										
			0.5	1	1.5	2	2.5	3	3.5	4	4.5	4.75	
SWB-220	2000	897	RPM	647	860								
			BHP	0.25	0.51								
			Sones	8.7	11.5								
	2650	1188	RPM	731	897	1065	1206						
			BHP	0.36	0.65	1.00	1.39						
			Sones	9.2	11.2	13.4	15.9						
	3300	1480	RPM	836	970	1104	1243	1367	1480				
			BHP	0.53	0.85	1.21	1.64	2.10	2.58				
			Sones	10.6	12.1	13.5	15.8	19.0	22				
	3950	1771	RPM	951	1064	1177	1289	1405	1517	1621	1717	1807	
			BHP	0.76	1.11	1.51	1.94	2.43	2.96	3.51	4.08	4.67	4.97
			Sones	13.0	13.7	14.9	16.4	19.4	23	26	28	30	32
	4600	2063	RPM	1072	1171	1267	1364	1461	1556	1658	1754	1845	1888
			BHP	1.06	1.46	1.88	2.35	2.85	3.38	3.98	4.60	5.23	5.55
			Sones	15.2	15.8	16.8	18.4	21	23	26	28	31	32
	5250	2354	RPM	1198	1285	1370	1454	1539	1624	1708	1792	1882	1925
			BHP	1.44	1.88	2.35	2.84	3.37	3.94	4.52	5.15	5.83	6.18
			Sones	17.8	18.4	19.4	21	23	25	26	28	31	32
	5900	2646	RPM	1325	1401	1481	1555	1630	1706	1781	1857	1932	
			BHP	1.90	2.40	2.92	3.45	4.00	4.58	5.23	5.87	6.52	
			Sones	21	21	22	24	25	26	28	30	32	
	6550	2937	RPM	1453	1525	1594	1664	1731	1799	1867	1935		
			BHP	2.47	3.04	3.59	4.18	4.76	5.37	6.01	6.70		
			Sones	24	25	25	26	27	29	30	32		
	7200	3229	RPM	1583	1650	1711	1777	1840	1900				
			BHP	3.15	3.78	4.37	5.01	5.66	6.30				
			Sones	28	28	28	29	30	32				
	7850	3520	RPM	1714	1776	1835	1892	1952					
			BHP	3.97	4.64	5.32	5.96	6.67					
			Sones	31	32	32	33	34					
	8500	3812	RPM	1846	1904	1960							
			BHP	4.92	5.63	6.38							
			Sones	36	36	37							

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-222 - Belt Drive Series 200



Wheel Diameter = 22 1/4 (565)

Shaft Diameter = 1 1/4 (32)

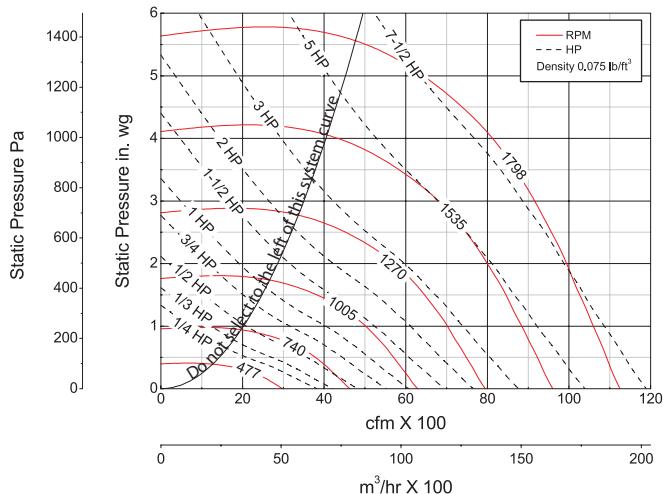
Outlet Area = 2.74 ft² (0.25 m²)

[^]Approximate Unit Weight = 450 lb. (204 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 10

[^]Weight shown is largest catalogued Open Drip Proof motor



$$\text{Maximum BHP at a given RPM} = (\text{RPM}/897)^3$$

Maximum RPM = 1798

Tip Speed (ft/min.) = RPM x 5.82

Maximum Motor Frame Size = 215T

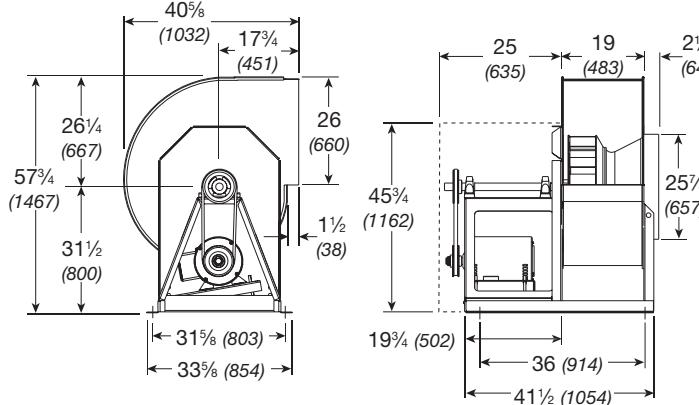
Model Number	CFM	OV	Static Pressure in Inches wg									
			0.5	1	1.5	2	2.5	3	3.5	4	4.5	5
SWB-222	2500	912	RPM	602	783	949						
			BHP	0.30	0.59	0.93						
			Sones	9.3	11.5	14.3						
	3250	1186	RPM	677	831	971	1099	1226				
			BHP	0.43	0.77	1.15	1.56	2.01				
			Sones	9.7	11.5	13.8	16.6	20				
	4000	1460	RPM	768	892	1019	1137	1241	1347	1452		
			BHP	0.61	0.99	1.43	1.88	2.36	2.88	3.42		
			Sones	11.2	12.6	14.3	16.8	20	24	27		
	4750	1734	RPM	868	975	1080	1186	1289	1383	1470	1556	1648
			BHP	0.86	1.27	1.75	2.27	2.80	3.36	3.92	4.52	5.16
			Sones	13.6	14.2	15.6	17.7	21	24	27	29	32
	5500	2007	RPM	976	1065	1158	1249	1339	1432	1518	1598	1674
			BHP	1.18	1.64	2.14	2.70	3.30	3.91	4.54	5.18	5.84
			Sones	15.8	16.5	17.5	19.5	22	25	27	30	32
	6250	2281	RPM	1085	1164	1244	1326	1405	1487	1567	1647	1722
			BHP	1.60	2.09	2.64	3.22	3.85	4.53	5.22	5.92	6.63
			Sones	18.4	19.0	20	22	24	26	28	30	33
	7000	2555	RPM	1197	1267	1339	1410	1484	1553	1628	1698	1771
			BHP	2.10	2.66	3.23	3.85	4.52	5.20	5.95	6.73	7.50
			Sones	21	22	23	25	26	27	29	31	34
	7750	2828	RPM	1310	1376	1439	1503	1568	1635	1698	1764	
			BHP	2.71	3.32	3.95	4.61	5.30	6.03	6.78	7.59	
			Sones	25	25	26	27	28	30	31	33	
	8500	3102	RPM	1424	1485	1542	1601	1659	1719	1780		
			BHP	3.43	4.12	4.80	5.47	6.22	6.98	7.78		
			Sones	29	29	29	30	31	32	34		
	9250	3376	RPM	1539	1596	1650	1703	1756				
			BHP	4.28	5.04	5.77	6.51	7.25				
			Sones	32	32	33	34	35				
	10000	3650	RPM	1655	1708	1760						
			BHP	5.28	6.10	6.87						
			Sones	36	37	37						

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-224 - Belt Drive Series 200



Building Value in Air.



Wheel Diameter = 24 1/2 (622)

Shaft Diameter = 1 1/2 (38)

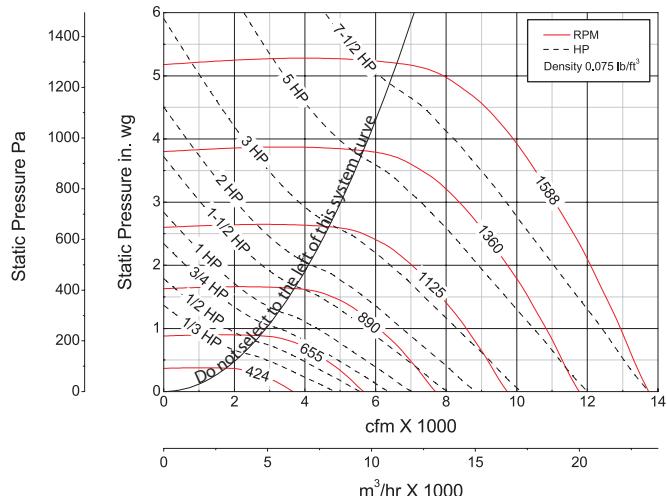
Outlet Area = 3.40 ft² (0.32 m²)

[^]Approximate Unit Weight = 568 lb. (258 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 10

[^]Weight shown is largest cataloged Open Drip Proof motor



Maximum BHP at a given RPM = (RPM/749)³

Maximum RPM = 1588

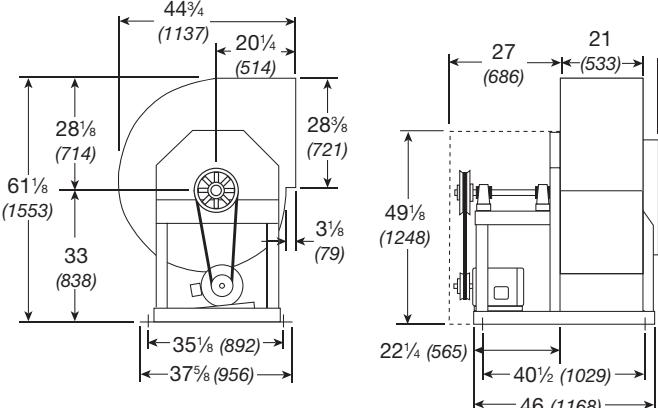
Tip Speed (ft/min.) = RPM x 6.41

Maximum Motor Frame Size = 256T

Model Number	CFM	OV	Static Pressure in Inches wg										
			0.5	0.75	1	1.5	2	2.5	3	3.5	4	4.5	
SWB-224	3000	882	RPM	526	614	699							
			BHP	0.34	0.51	0.71							
			Sones	7.4	9.1	12.7							
	3900	1147	RPM	594	659	726	861						
			BHP	0.50	0.68	0.89	1.37						
			Sones	8.5	9.4	10.4	14.5						
	4800	1412	RPM	674	729	783	890	1001	1106				
			BHP	0.71	0.92	1.14	1.64	2.20	2.84				
			Sones	10.0	11.0	11.7	13.2	16.1	18.9				
	5700	1676	RPM	760	809	856	945	1036	1126	1221	1309		
			BHP	1.00	1.24	1.49	2.01	2.60	3.22	3.95	4.72		
			Sones	12.4	13.0	13.5	14.7	16.5	19.1	22	25		
	6600	1941	RPM	851	894	936	1015	1093	1171	1251	1329	1411	1487
			BHP	1.36	1.64	1.92	2.49	3.11	3.77	4.49	5.24	6.10	6.98
			Sones	14.5	15.2	15.8	17.0	18.2	20	23	25	27	29
	7500	2206	RPM	946	982	1020	1093	1162	1230	1300	1369	1438	1508
			BHP	1.82	2.13	2.44	3.09	3.74	4.45	5.19	5.98	6.80	7.65
			Sones	17.1	17.8	18.6	19.7	21	22	24	26	27	29
	8400	2471	RPM	1041	1076	1108	1175	1240	1301	1362	1423	1484	
			BHP	2.38	2.73	3.08	3.79	4.51	5.24	6.03	6.85	7.69	
			Sones	20	21	22	23	24	25	25	26	28	
	9300	2735	RPM	1139	1170	1200	1261	1320	1378	1433	1489		
			BHP	3.07	3.44	3.83	4.60	5.39	6.20	7.01	7.87		
			Sones	24	25	25	27	27	27	28	28		
	10200	3000	RPM	1239	1266	1294	1348	1404	1458	1510			
			BHP	3.89	4.29	4.71	5.55	6.41	7.28	8.16			
			Sones	28	29	29	30	30	30	31			
	11100	3265	RPM	1339	1364	1390	1440	1490					
			BHP	4.85	5.28	5.73	6.65	7.57					
			Sones	31	32	32	32	33					
	12000	3529	RPM	1440	1463	1486	1534						
			BHP	5.98	6.43	6.90	7.89						
			Sones	34	35	35	36						

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-227 - Belt Drive Series 200



Wheel Diameter = 26 7/8 (683)

Shaft Diameter = 1 1/2 (38)

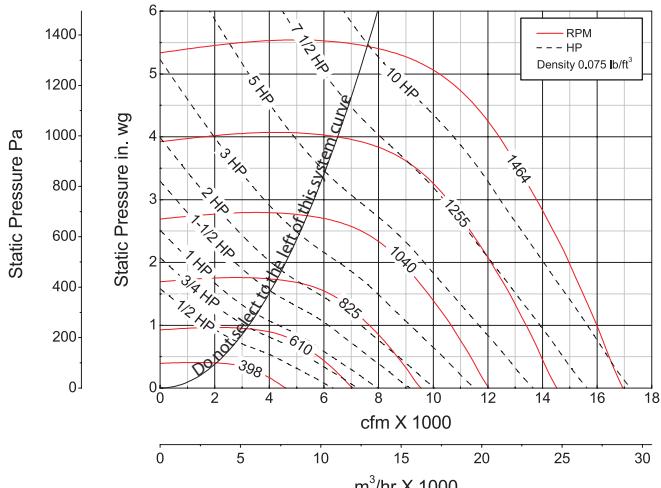
Outlet Area = 4.10 ft² (0.38 m²)

^Approximate Unit Weight = 715 lb. (324 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 10

^Weight shown is largest catalogued Open Drip Proof motor



Maximum BHP at a given RPM = $(RPM/637)^3$

Maximum RPM = 1464

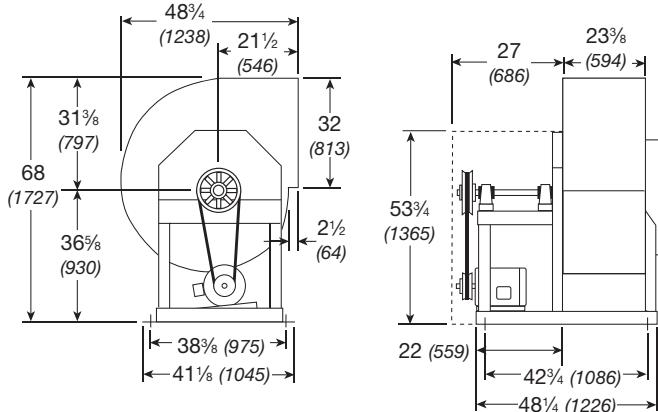
Tip Speed (ft/min.) = RPM x 7.03

Maximum Motor Frame Size = 284T

Model Number	CFM	OV	Static Pressure in Inches wg										
			0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	
SWB-227	4000	976	RPM	495	648	771							
			BHP	0.47	0.93	1.45							
			Sones	7.4	12.0	15.6							
	5000	1220	RPM	556	679	797	896						
			BHP	0.66	1.16	1.75	2.37						
			Sones	8.5	10.9	14.2	16.8						
	6000	1463	RPM	624	720	828	927	1014	1094				
			BHP	0.92	1.45	2.09	2.79	3.52	4.28				
			Sones	10.3	12.1	13.8	16.7	19.4	22				
	7000	1707	RPM	695	782	862	958	1045	1124	1197	1265	1335	
			BHP	1.24	1.84	2.49	3.25	4.06	4.89	5.76	6.64	7.58	
			Sones	12.7	13.8	15.0	17.1	20	23	26	28	30	
	8000	1951	RPM	772	848	921	991	1077	1156	1228	1296	1359	1420
			BHP	1.65	2.32	3.02	3.77	4.65	5.56	6.50	7.46	8.45	9.46
			Sones	14.6	15.9	17.2	18.4	21	24	26	28	30	33
	9000	2195	RPM	850	918	985	1050	1111	1187	1260	1327	1390	1450
			BHP	2.15	2.90	3.67	4.47	5.32	6.29	7.31	8.34	9.41	10.49
			Sones	17.0	18.4	19.6	21	22	25	27	29	31	33
	10000	2439	RPM	929	991	1053	1112	1169	1226	1292	1359	1422	
			BHP	2.76	3.58	4.43	5.29	6.19	7.13	8.18	9.30	10.43	
			Sones	19.8	21	22	24	25	25	27	29	32	
	11000	2683	RPM	1010	1067	1123	1178	1232	1284	1335	1391		
			BHP	3.49	4.39	5.31	6.25	7.20	8.18	9.22	10.32		
			Sones	23	24	26	27	27	28	29	30		
	12000	2927	RPM	1092	1145	1195	1247	1297	1346	1394			
			BHP	4.35	5.32	6.31	7.33	8.36	9.40	10.47			
			Sones	27	28	29	29	30	30	31			
	13000	3171	RPM	1175	1223	1271	1318	1365	1411				
			BHP	5.35	6.39	7.47	8.55	9.66	10.78				
			Sones	31	31	32	32	32	33				
	14000	3415	RPM	1259	1303	1348	1391						
			BHP	6.52	7.61	8.77	9.93						
			Sones	33	34	35	35						

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-230 - Belt Drive Series 200



Wheel Diameter = 29 5/8 (752)

Shaft Diameter = 1 3/4 (44)

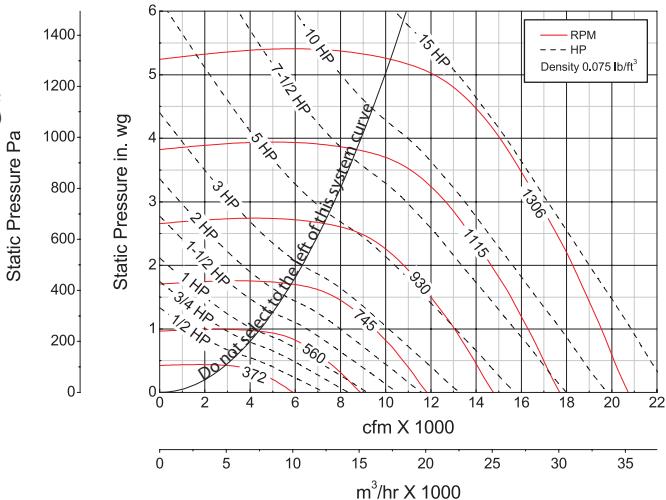
Outlet Area = 5.03 ft² (0.47 m²)

[^]Approximate Unit Weight = 810 lb. (367 kg)

All dimensions in inches (millimeters)

For additional discharge positions see page 10

[^]Weight shown is largest catalogued Open Drip Proof motor



Maximum BHP at a given RPM = (RPM/534)³

Maximum RPM = 1306

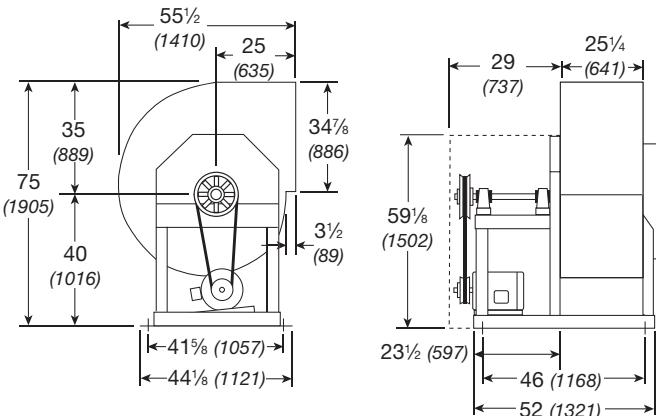
Tip speed (ft/min.) = RPM x 7.75

Maximum Motor Frame Size = 284T

Model Number	CFM	OV	Static Pressure in Inches wg									
			0.5	1	1.5	2	2.5	3	3.5	4	4.5	5
SWB-230	4000	795	RPM	418								
			BHP	0.46								
			Sones	7.1								
	5500	1093	RPM	469	588	700						
			BHP	0.68	1.26	1.96						
			Sones	8.0	10.5	15.6						
	7000	1392	RPM	541	631	725	818					
			BHP	1.02	1.65	2.40	3.26					
			Sones	9.8	11.8	13.6	16.8					
	8500	1690	RPM	618	697	770	845	927	1001	1069		
			BHP	1.48	2.21	3.00	3.87	4.88	5.95	7.05		
			Sones	12.7	13.8	15.1	16.9	19.9	23	26		
	10000	1988	RPM	701	770	835	897	961	1028	1095	1159	1218
			BHP	2.09	2.93	3.80	4.74	5.75	6.84	8.05	9.29	10.57
			Sones	15.0	16.4	17.7	19.0	21	24	26	29	31
	11500	2286	RPM	787	847	906	962	1016	1071	1127	1186	1245
			BHP	2.88	3.83	4.81	5.82	6.88	8.02	9.20	10.50	11.88
			Sones	18.1	19.4	21	22	23	25	27	29	31
	13000	2584	RPM	875	928	981	1032	1082	1130	1178	1228	1276
			BHP	3.86	4.93	6.02	7.14	8.27	9.46	10.71	12.02	13.37
			Sones	22	23	24	26	27	27	28	30	32
	14500	2883	RPM	964	1012	1059	1107	1152	1197	1240	1283	
			BHP	5.08	6.26	7.46	8.69	9.94	11.20	12.49	13.87	
			Sones	26	27	29	29	30	30	31	32	
	16000	3181	RPM	1055	1098	1141	1184	1227	1268			
			BHP	6.56	7.83	9.16	10.49	11.85	13.23			
			Sones	31	32	32	33	33	34			
	17500	3479	RPM	1146	1186	1225	1263	1303				
			BHP	8.32	9.69	11.13	12.57	14.05				
			Sones	35	35	36	37	37				
	19000	3777	RPM	1238	1274							
			BHP	10.40	11.90							
			Sones	39	39							

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-233 - Belt Drive Series 200



Wheel Diameter = 33 (838)

Shaft Diameter = 1 3/4 (44)

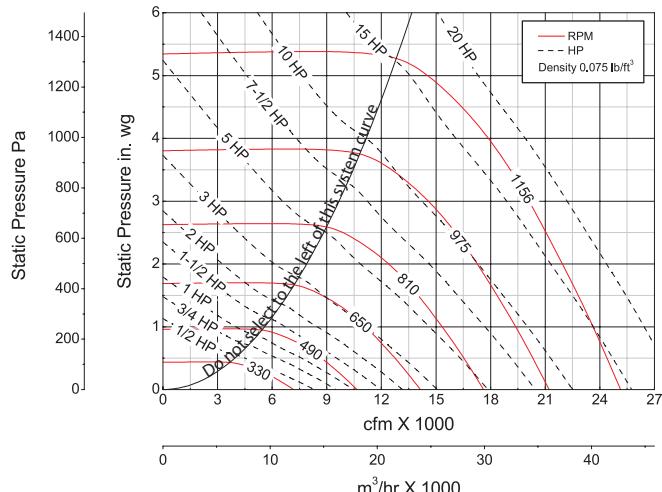
Outlet Area = 6.12 ft² (0.57 m²)

[^]Approximate Unit Weight = 980 lb. (445 kg)

All dimensions in inches (millimeters)

For additional discharge positions see page 10

[^]Weight shown is largest catalogued Open Drip Proof motor



Maximum BHP at a given RPM = $(RPM/452)^3$

Maximum RPM Steel/Aluminum = 1156/975

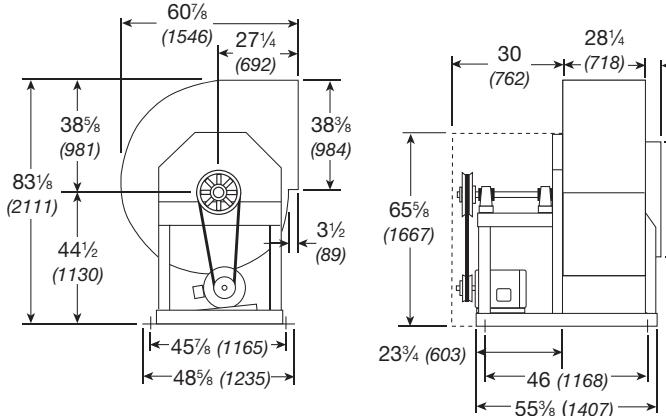
Tip Speed (ft/min.) = RPM x 8.64

Maximum Motor Frame Size = 286T

Model Number	CFM	OV	Static Pressure in Inches wg										
			0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	
SWB-233	6000	980	RPM	402	508								
			BHP	0.71	1.33								
			Sones	7.3	10.3								
	7500	1225	RPM	447	540	625							
			BHP	0.98	1.71	2.50							
			Sones	8.5	10.8	13.4							
	9000	1471	RPM	502	584	657	728	799					
			BHP	1.35	2.17	3.07	4.01	5.04					
			Sones	10.4	12.3	13.8	16.0	18.7					
	10500	1716	RPM	559	628	700	762	822	882	944			
			BHP	1.82	2.72	3.72	4.78	5.88	6.99	8.27			
			Sones	12.7	14.0	15.4	16.9	19.3	22	25			
	12000	1960	RPM	620	683	743	805	859	910	965	1016	1072	
			BHP	2.42	3.42	4.49	5.65	6.86	8.11	9.36	10.64	12.12	
			Sones	14.7	16.1	17.5	19.0	21	23	26	28	30	
	13500	2206	RPM	682	739	792	848	902	951	997	1044	1092	1138
			BHP	3.16	4.26	5.41	6.66	7.97	9.32	10.71	12.11	13.53	14.97
			Sones	17.1	18.5	19.9	21	23	25	27	28	31	33
	15000	2451	RPM	744	797	848	894	945	994	1039	1082	1122	
			BHP	4.06	5.26	6.51	7.81	9.22	10.68	12.16	13.69	15.25	
			Sones	20	21	23	24	26	27	28	30	32	
	16500	2696	RPM	809	857	904	948	990	1037	1082	1125		
			BHP	5.14	6.43	7.79	9.19	10.63	12.19	13.79	15.42		
			Sones	23	25	26	27	28	29	30	31		
	18000	2941	RPM	874	919	961	1004	1044	1082	1126			
			BHP	6.42	7.81	9.26	10.77	12.31	13.89	15.59			
			Sones	27	28	29	30	31	31	33			
	19500	3186	RPM	940	981	1021	1061	1099	1136				
			BHP	7.91	9.39	10.95	12.55	14.19	15.87				
			Sones	31	32	32	33	34	35				
	21000	3431	RPM	1006	1044	1082	1119	1156					
			BHP	9.64	11.20	12.86	14.56	16.31					
			Sones	34	35	36	37	37					

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

SWB-236 - Belt Drive Series 200



Wheel Diameter = 36 1/4 (921)

Shaft Diameter = 2 (51)

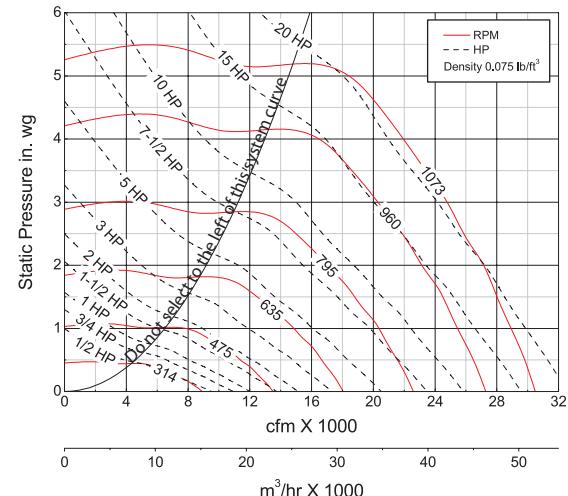
Outlet Area = 7.52 ft² (0.70 m²)

[^]Approximate Unit Weight = 1170 lb (531 kg)

All dimensions in inches (*millimeters*)

For additional discharge positions see page 10

[^]Weight shown is largest cataloged Open Drip Proof motor



Maximum BHP at given RPM = (RPM/387)³

Maximum RPM Steel/Aluminum = 1073/960

Tip Speed (ft/min.) = RPM x 9.46

Maximum Motor Frame Size = 286T

Model Number	CFM	OV	Static Pressure in Inches wg									
			0.5	1	1.5	2	2.5	3	3.5	4	4.5	5
SWB-236	7000	931	RPM	361	472							
			BHP	0.81	1.62							
			Sones	7.5	12.3							
	9000	1197	RPM	410	492	578						
			BHP	1.17	2.02	3.06						
			Sones	8.7	10.9	14.6						
	11000	1463	RPM	463	537	603	674	746				
			BHP	1.66	2.68	3.70	4.95	6.37				
			Sones	10.6	12.5	14.2	16.9	20				
	13000	1729	RPM	520	586	647	702	762	820	883	945	
			BHP	2.28	3.43	4.67	5.88	7.26	8.81	10.55	12.38	
			Sones	13.1	14.4	15.7	17.6	20	23	27	30	
	15000	1995	RPM	582	639	695	747	795	843	897	947	1001
			BHP	3.10	4.38	5.75	7.18	8.57	10.01	11.76	13.56	15.54
			Sones	15.3	16.6	18.1	19.6	22	24	27	29	32
	17000	2261	RPM	646	697	746	794	840	882	925	970	1017
			BHP	4.15	5.57	7.03	8.62	10.23	11.80	13.40	15.15	17.14
			Sones	18.0	19.4	21	22	24	26	28	30	32
	19000	2527	RPM	711	754	801	845	888	929	969	1006	1043
			BHP	5.42	6.90	8.58	10.25	12.04	13.86	15.60	17.38	19.17
			Sones	21	22	24	25	27	28	30	32	34
	21000	2793	RPM	777	816	859	898	938	977	1015	1051	
			BHP	6.95	8.57	10.39	12.17	14.05	16.03	18.08	20.00	
			Sones	25	26	28	28	29	31	32	33	
	23000	3059	RPM	844	880	915	956	990	1028	1063		
			BHP	8.76	10.59	12.38	14.46	16.38	18.47	20.63		
			Sones	29	30	31	32	33	34	35		
	25000	3324	RPM	911	945	976	1013	1048				
			BHP	10.90	12.90	14.80	16.90	19.10				
			Sones	33	34	34	35	36				
	27000	3590	RPM	978	1010	1040	1069					
			BHP	13.40	15.50	17.60	19.70					
			Sones	37	38	39	40					

Performance certified is for installation Type B - free inlet, ducted outlet. Power rating (bhp) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The AMCA Certified Ratings Seal applies to air performance only.

Model SFD Direct Drive Utility Fans

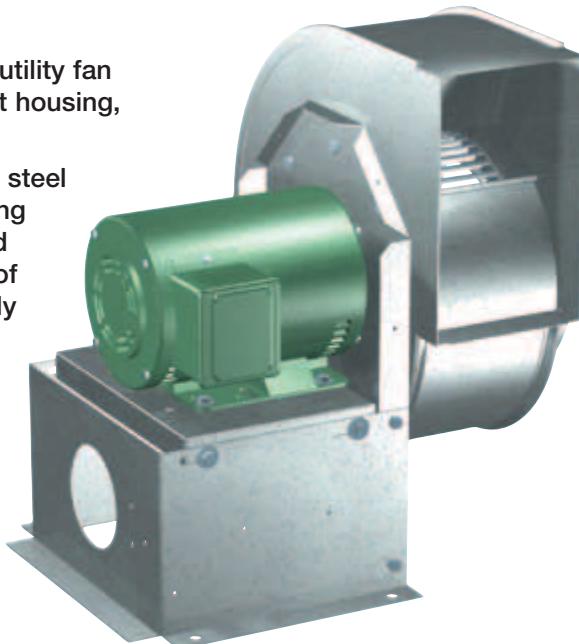
Supply, exhaust or return air fans shall be of the direct drive utility fan type, in AMCA Arrangement 4 with a single-width, single-inlet housing, in clockwise or counterclockwise rotation as specified.

The housing shall be constructed of heavy-gauge galvanized steel with lock formed seams permitting no air leakage. The housing shall be easily rotated in the field to any of the eight standard discharge positions. Housing supports shall be constructed of heavy-gauge galvanized steel to minimize vibration and rigidly support the motor and wheel.

The fan wheel shall be of the forward-curved type and shall be constructed of heavy-gauge aluminum. Wheels shall be statically and dynamically balanced. The wheel cone and fan inlet cone shall be carefully matched for maximum performance and operating efficiency. Motors shall be heavy-duty ball bearing type matched to the fan load and furnished at the specified voltage, phase and enclosure.

All fans shall bear the AMCA Air Performance seal.

Utility fans shall be model SFD (with forward-curved wheels) as manufactured by Greenheck Fan Corporation of Schofield, Wisconsin.



Model SFB Belt Drive Utility Fans

Supply, exhaust and return air fans shall be of the belt driven utility fan type in AMCA Arrangement 10 with a single-width, single-inlet housing, in clockwise or counterclockwise rotation as specified.

The housing shall be constructed of heavy-gauge steel with airtight lock formed seams. The housing shall be easily rotated in the field to any of the eight standard discharge positions. Housing and bearing supports shall be constructed of welded steel members to prevent vibration and to rigidly support the shaft and bearings.

Model SFB fan wheels shall be of the forward-curved type, constructed of heavy-gauge steel with uniform stamped steel blades.

Wheels shall be statically and dynamically balanced. The wheel cone and fan inlet cone shall be carefully matched for maximum performance and operating efficiency.

Motors shall be heavy-duty, ball bearing type, matched to the fan load and furnished at the specified voltage, phase and enclosure.

The fan shaft shall be ground and polished solid steel mounted in heavy-duty, sealed, pillow block ball bearings. Bearings shall be selected for a minimum L_{10} life in excess of 100,000 hours (L_{50} average of 500,000 hours) at maximum cataloged operating speed. Drives shall be sized for a minimum of 150% of driven horsepower. Pulleys shall be of the fully machined cast iron type, keyed and securely attached to the wheel and motor shafts. The motor pulley shall be adjustable for final system balancing.

All fans shall bear the AMCA Air Performance seal.

Utility fans shall be model SFB (with forward-curved wheels) as manufactured by Greenheck Fan Corporation of Schofield, Wisconsin.



Model SWB Series 100 and 200 Belt Drive Utility Fans

Supply, exhaust and return air fans shall be of the belt-driven utility fan type in AMCA Arrangement 10 with a single width, single-inlet housing, in clockwise or counterclockwise rotation as specified.

The housing shall be constructed of heavy gauge galvanized steel on 100 Series models and includes an air-tight lock seam. 200 Series models shall have a heavy gauge painted steel housing or optional aluminum. Housing shall have an air-tight lock seam or optional welded seam. The housing shall be field rotatable to any of the eight discharge standard discharge positions. Housing and bearing supports shall be constructed of welded steel members coated with Permatector™ to prevent vibration and to rigidly support the shaft and bearings.

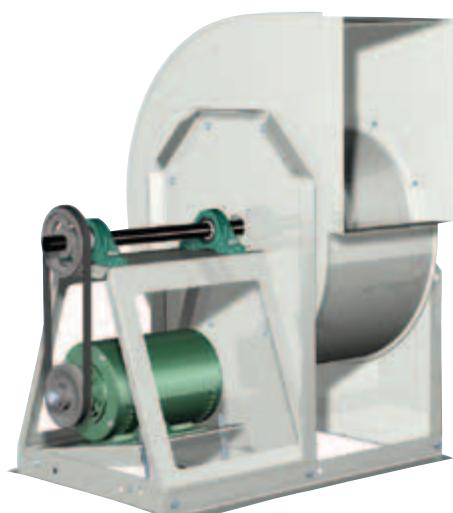
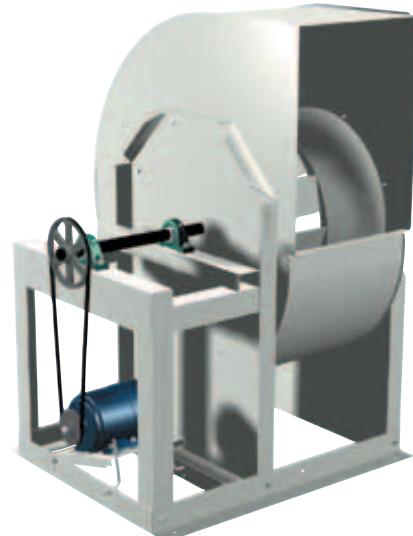
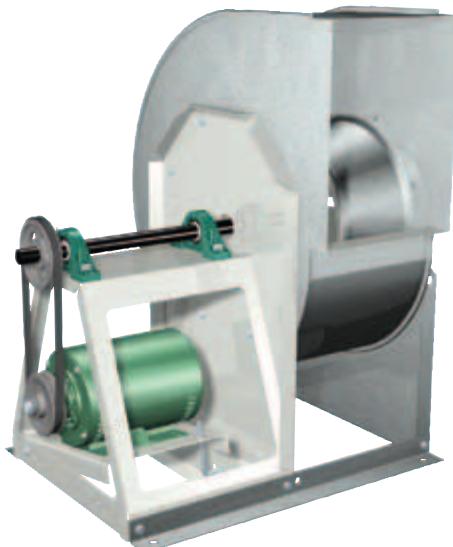
The fan wheel shall be of the non-overloading backward-inclined, centrifugal type. Constructed of heavy gauge aluminum on 200 Series fans sizes 206-210 and 100 Series fans, and heavy gauge steel with optional aluminum on 200 Series fans size 212 and larger.

Wheels shall be statically and dynamically balanced. The wheel cone and fan inlet cone shall be carefully matched for maximum performance and operating efficiency.

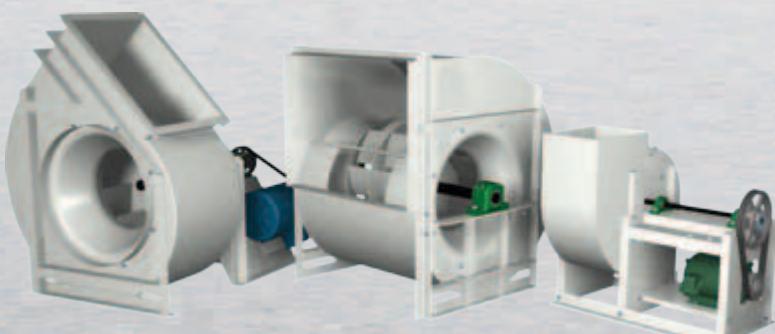
Motors shall be heavy-duty ball bearing type matched to the fan load and furnished at the specified voltage, phase and enclosure. The fan shaft shall be ground and polished solid steel mounted in heavy-duty pillow block ball bearings. Bearings shall be selected for a minimum L_{10} life in excess of 100,000 hours (L_{50} average life of 500,000 hours) at maximum cataloged operating speed. Drives shall be sized for a minimum of 150% of driven horsepower. Pulleys shall be of the fully machined cast iron type, keyed and securely attached to the wheel and motor shafts. The motor pulley shall be adjustable for final system balancing.

All fans shall bear the AMCA Air Performance seal.

Utility fans shall be model SWB (with backward-inclined wheels) as manufactured by Greenheck Fan Corporation in Schofield, Wisconsin.



Other Centrifugal Fan Products



Series 21 and 41 backward incline and airfoil wheels in single and double width.
Models BISW, AFSW, BIDW and AFDW.

Greenheck's airfoil and backward inclined centrifugal fans are designed to provide efficient and reliable operation for commercial and industrial applications. Our products are manufactured with state-of-the-art laser, forming, spinning and welding equipment and endure our quality control testing to ensure trouble free start-up. Greenheck centrifugal models include industry leading design features to ensure your ventilation equipment has the latest technologies available.

Available with Greenheck Centrifugal Products

- All welded designs or Permalock™ construction
- Concentric mount bearings with industries highest cataloged bearing life
- Corrosion-resistant, electrostatically applied and baked powder coatings
- Both belt and direct drive configurations
- Three plane, six channel vibration analysis on all manufactured centrifugal models



Building Value in Air

Greenheck delivers value to mechanical engineers by helping them solve virtually any air quality challenges their clients face with a comprehensive selection of

top quality, innovative air-related equipment. We offer extra value to contractors by providing easy-to-install, competitively priced, reliable products that arrive on time.

And building owners and occupants value the energy efficiency, low maintenance and quiet dependable operation they experience long after the construction project ends.

Our Warranty

Greenheck warrants this equipment to be free from defects in material and workmanship for a period of one year from the shipment date. Any units or parts which prove defective during the warranty period will be replaced at our option when returned to our factory, transportation prepaid. Motors are warranted by the motor manufacturer for a period of one year. Should motors furnished by Greenheck prove defective during this period, they should be returned to the nearest authorized motor service station. Greenheck will not be responsible for any removal or installation costs.

As a result of our commitment to continuous improvement, Greenheck reserves the right to change specifications without notice.



Prepared to Support
Green Building Efforts