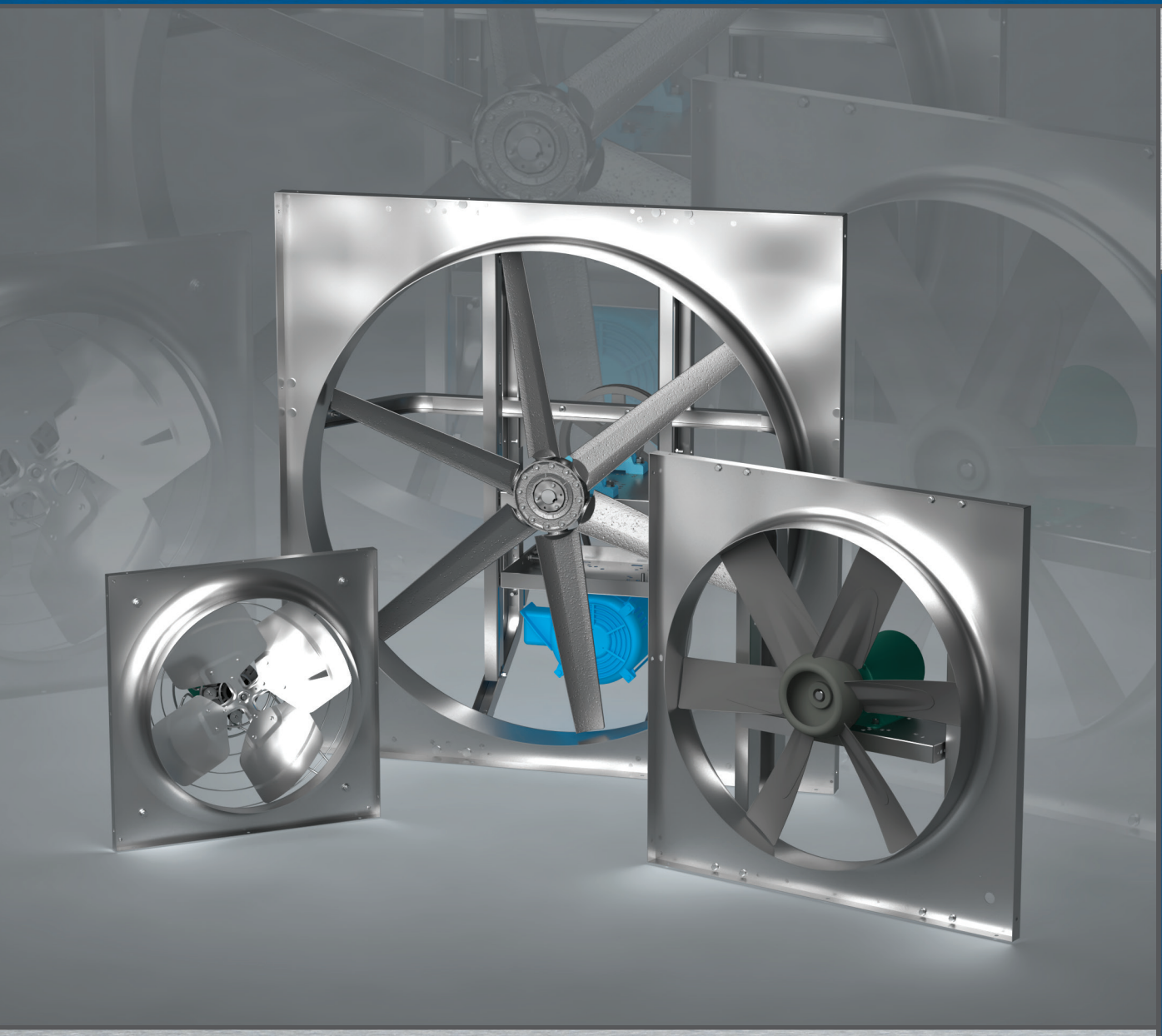
Sidewall Propeller Fans

Belt and Direct Drive

Exhaust, Supply and Reversible



GREENHECK

Building Value in Air.

BUILDING VALUE IN AIR.

October
2023

Sidewall Propeller Fans

GREENHECK
Building Value in Air.

Sidewall propeller fans are ideal for high volumes of air and low pressure requirements. From general ventilation to industrial duty, Greenheck's range of construction and performance capabilities represents the most comprehensive sidewall propeller fan line in the industry.

- Exhaust or supply arrangements
- Fabricated steel, aluminum or cast aluminum propellers
- Drive frames and panels are constructed to match the level of duty and the motor size
- Three airflow directions: exhaust, supply and reversible
- Both belt drive and direct drive models
- Three levels of construction from commercial to industrial
- Multiple blade designs for low sound and optimum efficiency
- Typical installations include factories, warehouses, data centers and parking garages

Greenheck Fan Corporation certifies that the SB, SBC, S1 and S2 models shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

c UL us LISTED

Sidewall Direct Drive, Sidewall Belt Drive, Sidewall Belt Driven Cast and Sidewall Cast models are listed for electrical (UL/cUL 705) File no. E40001

*UL is optional and must be specified

Table of Contents

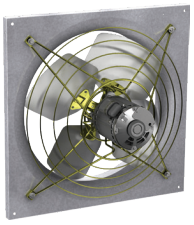
Model Comparison

Models S, SB and SBC	Available Size Range (inches)	Location		Mounting					Airflow				Application								Drive Type		Propeller (blade) Type				Performance	
		Outdoor	Indoor	Roof Curb	Base/Floor	Hanging	Wall	Ceiling Mounted	Exhaust	Supply	Reversible	Recirculate	General/Clean Air	Contaminated Air	Spark Resistant	Grease (UL\cUL 705)	Smoke Control (UL)	High Wind	High Temp (above 200°F)	Seismic Certification	Belt	Direct	Level 1 - L or H type	Level 2 - L or H type	Level 3 - L or H type	Level 3 - Cast Aluminum	Maximum Volume (cfm)	Maximum Static Pressure (in. wg)
SE, SS - 1	8 - 24	✓	✓			✓	✓		✓	✓			✓	✓	O					✓		✓	✓				6,700	1
SE, SS - 2	16 - 54	✓	✓			✓	✓		✓	✓			✓	✓						✓		✓		✓			45,600	1
SCR - 3	24 - 54	✓	✓			✓	✓		✓	✓	✓		✓	✓	✓					✓		✓				✓	51,000	1
SBE, SBS - 1	20 - 48	✓	✓			✓	✓		✓	✓			✓	✓						✓	✓		✓				30,000	0.75
SBE, SBS - 2	20 - 60	✓	✓			✓	✓		✓	✓			✓	✓						✓	✓			✓			53,000	1
SBE, SBS - 3	24 - 72	✓	✓			✓	✓		✓	✓			✓	✓						✓	✓				✓		90,500	1
SBCE, SBCS, SBCR	24 - 72	✓	✓			✓	✓		✓	✓	✓		✓	✓	O					✓	✓				✓	✓	87,000	1

Note: O - Cast aluminum blades and aluminum hub are spark resistant.

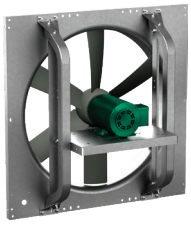
Direct Drive Fan Selection

Three propeller and drive frame combination levels are available with either an L or H type propeller. Models SE1 and SS1 are designed for smaller size applications where lower volumes and static pressures are found. Models SE2 and SS2 are designed and constructed for applications with higher volumes and static pressures.



Level 1
Sizes 8 to 10

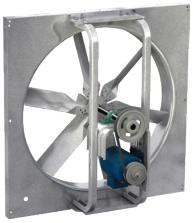
Level 1
Sizes 12 to 24



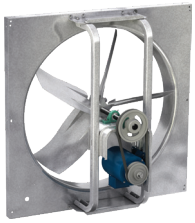
Level 2

Belt Drive Fan Selection

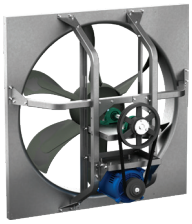
Three propeller drive frame construction levels are available with either an L or H type propeller. The application requirements for sound and static pressure determine propeller type. Propellers are available in fabricated steel or cast aluminum.



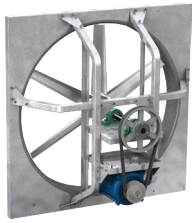
Level 1



Level 2



Level 3
Fabricated



Level 3
Cast Aluminum

C in model name indicates cast aluminum blades and hub.

Belt Drive Blade Designs

L Type

H Type

L Type Propeller:

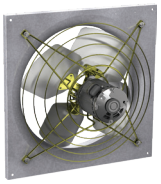
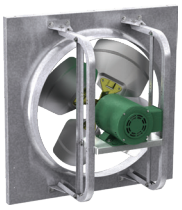
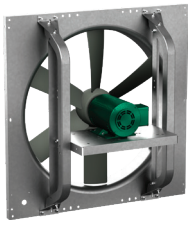
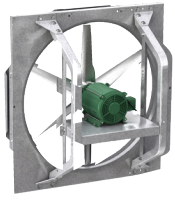
- Swept, steeply pitched blade design.
- Propellers typically run at lower RPMs and generate low sound levels.
- The best selection for sound critical applications or applications that require the best combination of both air and sound performance.
- Typically used when the static pressure is 0.5 in. wg *(125 Pa)* or less.

H Type Propeller:

- Straight, moderately pitched blade.
- Designed for applications where static pressures are above 0.5 in. wg *(125 Pa)*.
- These propellers typically run at higher RPMs and generate slightly higher sound levels than the “L” propellers.

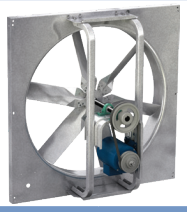
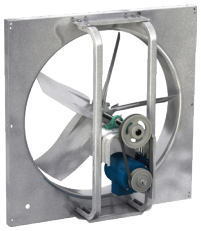
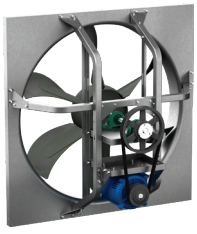
All direct drive models are available in either exhaust or supply arrangements. Model SCR3 is the reversible fan model.

	Level 1		Level 2	Level 3	Reversible
Model Sizes	8 - 12: D, G & E motor speeds (see page 22 for motor speed chart)	12 - 24: A, B & C motor speeds (see page 22 for motor speed chart)	16 - 54	20 - 54	24 - 54
Panel/Drive Frame	Galvanized steel with one-piece drawn venturi		Galvanized steel with one-piece drawn venturi, bolted structural steel channels and motor plate (paint optional)		
	Zinc plated, heavy welded wire guard/support structure (paint optional)	Bolted structural steel channels and motor plate (paint optional)			
Propeller	Aluminum blades riveted to a steel hub		Heavy-duty, welded and gusseted painted steel	Heavy-duty, cast aluminum	
Motors	Heavy-duty, permanently lubricated, sleeve bearing type	Ball bearing type	Heavy-duty, permanently lubricated, ball bearing type		

Material Gauges					Max. Motor Frame Size	Approx. Weight (lbs.)	Model	
Fan Size	Fan Panel	Drive Frame	Prop Hub	Prop Blade				
Level 1, Model S1							**Model S1 Sizes 8 to 12**	**Model S1 Sizes 12 to 24**
8	18	-**	-	-	48	15		
10	18	-**	-	-	48	16		
12	18	14**/*	-	-	48	20		
14	18	14*	-	-	56	27		
16	18	14*	-	-	56	30		
18	18	14*	-	-	56	35		
20	18	14*	-	-	145T	39		
24	18	14*	-	-	145T	45		
Level 2, Model S2							**Model S2**	
16	18	14	14	16	56	40		
18	18	14	14	16	56	45		
20	16	12	14	16	145T	60		
24	18	12	14	16	145T	85		
30	16	12	12	16	184T	130		
36	16	12	12	16	215T	230		
42	14	10	10	14	254T	290		
48	14	10	10	14	254T	375		
54	14	10	10	14	256T	465		
Reversible, Model SCR3							**Model SCR3**	
24	16	12	Cast Aluminum Prop	Cast Aluminum Prop	184T	80		
30	16	12			184T	125		
36	16	12			215T	220		
42	14	10			254T	290		
48	14	10			254T	386		
54	14	10			256T	477		

* A, B and C motor speeds only. Approximate weight does not include accessories.
** D, G and E motor speeds have a wire frame rather than a drive frame.

	Level 1	Level 2	Level 3 and Reversible	
Model Sizes	20 - 48	20 - 60	24 - 36	42 - 72
Panel/Drive Frame	Galvanized steel with one-piece drawn venturi, bolted structural steel channels and one-piece motor/bearing plate			Galvanized steel with one-piece drawn venturi, bolted structural steel channels and two piece motor/bearing plate
	(paint optional)		(all-welded panel/drive frame optional, paint optional)	
Propeller	Galvanized steel, riveted blades (aluminum optional)	Reinforced galvanized steel, riveted blades, keyed hub (excluding the 2L)	SB - Heavy-duty, welded, reinforced, powder-coated steel blades. All with keyed hubs.	SB - Heavy-duty, welded, reinforced, powder-coated steel blades. All with keyed hubs. SBC - Heavy-duty, cast aluminum blades. All with keyed hubs.
Bearings	Stamped steel pillow blocks up to size 36 and cast pillow blocks for size 42 and larger	Cast iron pillow blocks with grease fittings		

Material Gauges										Models	
Fan Size	Fan Panel	Drive Frame	Propeller Hub L	Propeller Hub H	Propeller Blade L	Propeller Blade H	Shaft Size	Max Motor Frame Size	Approx. Weight (lbs.)		
Level 1										**Model SB-1H**	
20	18	14	14		16	18	3/4	56	60		
24	18	14	14		16	18	3/4	56	70		
30	18	12	14	12	16		3/4	56	95		
36	18	12	14	12	16		3/4	145T	110		
42	16	12	12	10	14		1	145T	150		
48	16	12	12	10	14		1	145T	175		
Level 2										**Model SB-2L**	
20	18	14	14		16	18	3/4	143T	65		
24	18	14	14		16	18	3/4	145T	75		
30	18	12	14	12	16		1	184T	100		
36	18	12	14	12	16		1	184T	115		
42	16	12	12	10	14		1-1/4	184T	160		
48	16	12	12	10	14		1-1/4	184T	260		
54	16	12	12	10	14		1-1/4	184T	315		
60	14	12	10		12		1-1/2	215T	370		
Level 3 and Reversible										**Model SB-3L**	**Model SBCR**
24	18	14	12		*16		3/4	145T	90		
30	16	12	12		*16		1	184T	140		
36	16	12	12		*16		1-1/4	184T	260		
42	14	12	10		*14		1-1/2	215T	320		
48	14	12	10		*14		1-1/2	215T	420		
54	14	10	10		*14		1-1/2	254T	590		
60	14	10	3/16 in.		*12		1-3/4	256T	755		
72	12	10	3/16 in.		*12		2	256T	1050		

Note: Approximate weight does not include accessories.
* SBCR uses cast aluminum propeller. Propeller blade gauge column does not apply.

Electrical Accessories

Disconnect Switches

Toggle type and heavy-duty disconnect switches are available for positive electrical shut-off and safety in servicing fans. The following switches are available to meet individual electrical requirements and can be factory-mounted or shipped loose for field mounting. Wiring from the motor to the disconnect box is provided with factory-mounted disconnect switches.

- NEMA-1 - General purpose
- NEMA-3R - Rain Resistance
- NEMA-4 - Watertight
- NEMA-3R & NEMA-4 - Heavy-Duty
- NEMA-7 & 9 - for Class 1 and Class 2 hazardous locations and explosion resistant applications.

NEMA-3R and NEMA-1

UL/cUL 705

All belt and selected direct drive fans with TE standard efficiency, single-speed motors are available with the UL 705 listing for electrical.

Extended Wiring Pigtail

Available only in conjunction with factory-mounted disconnect switches. Liquid-tight wiring extends beyond the fan and allows direct hook-up to the power supply. This eliminates field wiring within the fan. Internal or external power supply can be specified.

End Switches

Factory-mounted end switches allow the damper to open completely before the fan is energized. This reduces back pressure and brake horsepower load on the fan motor at start-up. (Field-supplied motor starter with a relay is required to complete the wiring on a system using an end switch.)

One-Point Wiring

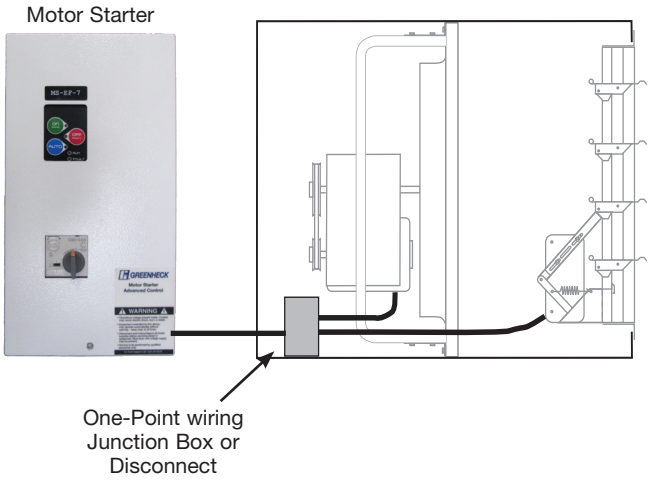
Available when the following items are selected:

- Common voltages on the motor and the actuator
- Disconnect mounted and wired
- Wall housing

The wires are pulled from the motor and the actuator on the damper to the disconnect box. (Hard-wiring of the components to the disconnect switch is by others.) **Exception:** When a specific voltage is not available on the actuator, Greenheck will provide a hardwired transformer to the actuator. Greenheck will then pull the wires from the transformer to the disconnect box.

Motor Starters

Can be used to coordinate dampers, end switches and motor starting. They protect the motor, offer control options, and provide Lockout/Tagout features as well. (see below)



Finish Options

Coatings

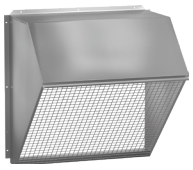
A variety of special coatings ranging from enamels to phenolics are available for decorative or protective purposes. When a special coating is selected for the fan, all accompanying accessory items are also coated unless specified. Consult your local representative for more details.

Welded and Painted Fan Construction

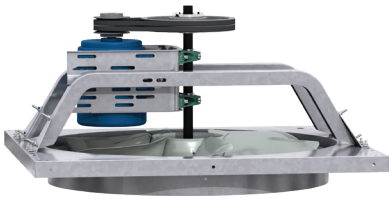
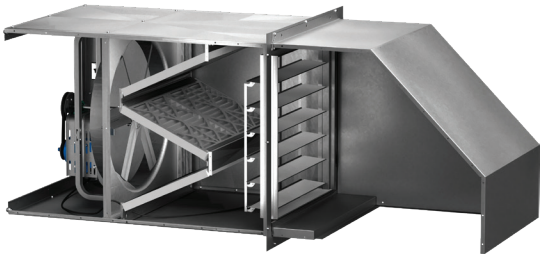
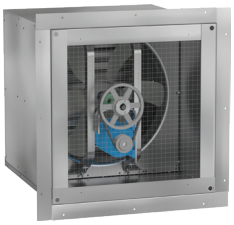
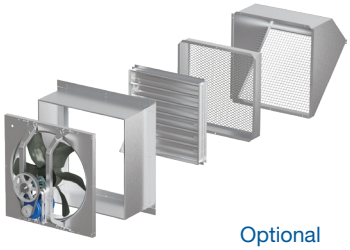
For applications where extra heavy construction is required, welded steel construction is available. With this option, all stationary connections which are normally bolted, are welded and coated with an industrial grade paint. This option applies to belt drive level 3 fans and direct drive level 2 and 3 fans only.

Seismic-Rated Fans

All certified sidewall propeller fans are tested and certified to the worst-case scenario seismic conditions for use anywhere in the United States. All fans are shaker table tested and certified to California HCAI seismic standards as well as IBC 2012 standards. For more information, see California HCAI certification - OSP-0356.

Option or Accessory		Mounting Option				
		Standard Wall Mounting	Standard Horizontal Mounting	Wall Collar	Wall Housing	Filtered Supply Wall Housing
	Page Number	9	9	12	12	11
OSHA Motor Side Guard Protective guards of expanded metal screen in structural steel frames are available to completely enclose the motor and drive side of the fan.		✓		✓		
Weatherhood Weatherhoods shield wall openings and dampers from rain and snow. Weatherhoods are shipped unassembled in kit form for field assembly. Construction is of galvanized steel with wire mesh birdscreen. Mounting flanges have prepunched mounting holes. 45° turndown is for exhaust and 90° turndown is for exhaust and supply. Options include aluminum construction, insect screen and painted finish. The weatherhood cannot be used with the damper guard option.		✓		✓	✓	✓
Damper Guard Damper guards meet the OSHA requirements to completely enclose the damper or wall openings on the discharge side of the fan. They are constructed of expanded galvanized steel screen in galvanized steel frames. Mounting flanges have prepunched mounting holes. Options include aluminum construction and painted finish. The damper guard cannot be used with the weatherhood option.		✓		✓	✓	✓
Dampers Used alone or in conjunction with the wall housing or wall collar, a complete line of dampers are available for exhaust or supply configurations.		✓		✓	✓	✓

Mounting Options Overview

Mounting Option		Description	Page
Standard Wall Mounting		Fan can be mounted directly to a wall.	9
Standard Horizontal Mounting		Fan can be horizontally mounted to move air up or down.	9
Filtered Supply Wall Housing		The filtered supply wall housing is a flexible and easy way to mount the fan for installations where filtering is required.	11
Wall Housing	  Optional Accessories	The wall housing is the easiest and most flexible way to mount the sidewall propeller fan and all of its accessories.	12
Wall Collar	  Optional Accessories	The wall collar is an easy way to mount the sidewall propeller fan and its accessories.	12

Standard Wall Mounting

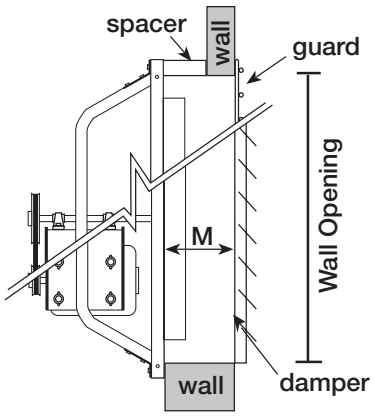
The split drawing (right) illustrates the typical ways of mounting fans directly to the wall when a wall housing or collar is not used.

For exhaust fans, there is a minimum dimension (M) which must be maintained between the propeller and damper or guard to achieve optimum performance *(failure to meet this minimum dimension will result in loss of fan performance, increased noise and shortened fan and damper life).* There is also a minimum required wall opening dimension (W.O.) to allow the venturi to fit into the wall opening.

The chart at far right provides the minimum "M" and wall opening dimensions.

This installation may require a spacer (by others) between the fan and wall to achieve the minimum "M" dimension.

Fans can be mounted directly to a wall only if the wall is of sufficient thickness to meet the minimum "M" dimension as shown here. If mounting to a wall through the face of the fan panel, holes will need to be appropriately drilled where required.



Fan Size	M	Wall Opening
8	6	10-1/2
10	6	12-1/2
12	7	14-1/2
14	8	16-1/2
16	9	18-1/2
18	10	20-1/2
20	12	22-1/2
24	13	26-1/2
30	13	32-1/2
36	14	38-1/2
42	15	44-1/2
48	16	50-1/2
54	17	57-1/2
60	19	63-1/2
72	19	74-1/2

All dimensions in inches.

Standard Horizontal Mounting

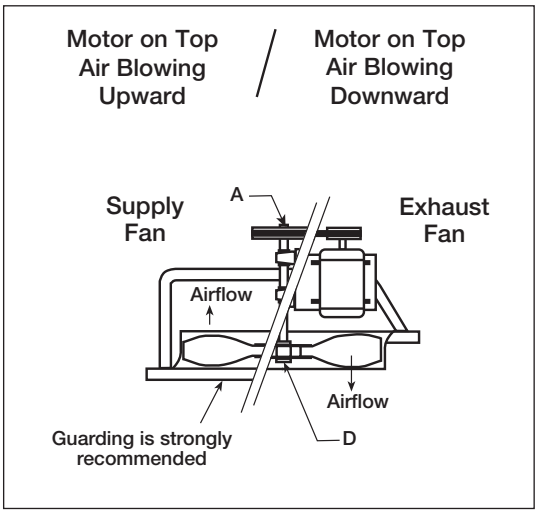
Modifications Shown in Diagrams	
A	Grooved shaft with snap rings (belt drive fans)
B	Motor pulley retaining hardware (belt drive fans with motor on bottom)
C	Reinforcing angles on fan panel (all fans with motor on bottom)
D	Propeller retaining hardware - not shown (direct drive fans with motor on top)

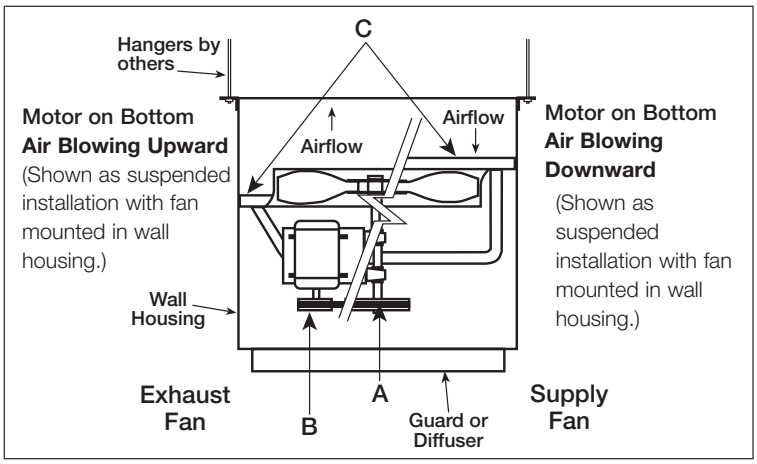
NOTE: Protective guarding is also required below the fan for safety. When guarding is not ordered with the fan, it must be supplied by the installer. When specifying a fan for horizontal mounting, the motor location (top or bottom) and airflow (upward or downward) are required information.

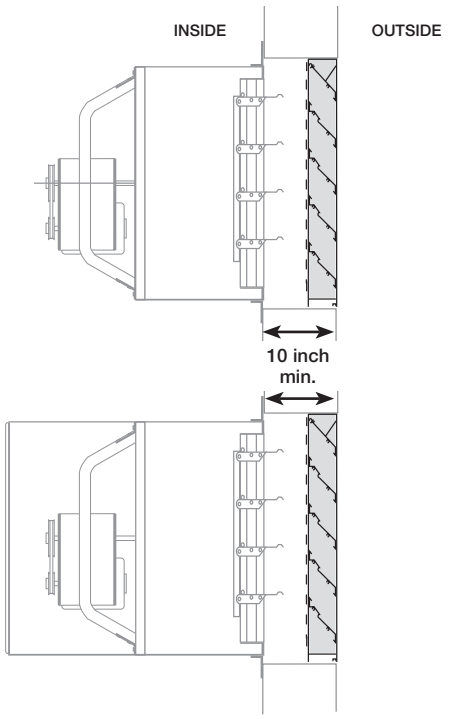
Horizontally-mounted fans are available for applications requiring vertical airflow.

Typical applications include mounting fans in ductwork or plenums as transfer fans or suspending them from the ceiling in a wall housing for use as recirculation fans. Both belt and direct drive fans can be horizontally mounted. Motors can be mounted on top or on bottom with airflow up or down. Specify configuration best suited for access and service.

Horizontally-mounted fans are put under different stresses than fans mounted in a wall. Construction modifications are required depending on motor location (top or bottom) and whether the fan is belt or direct drive.



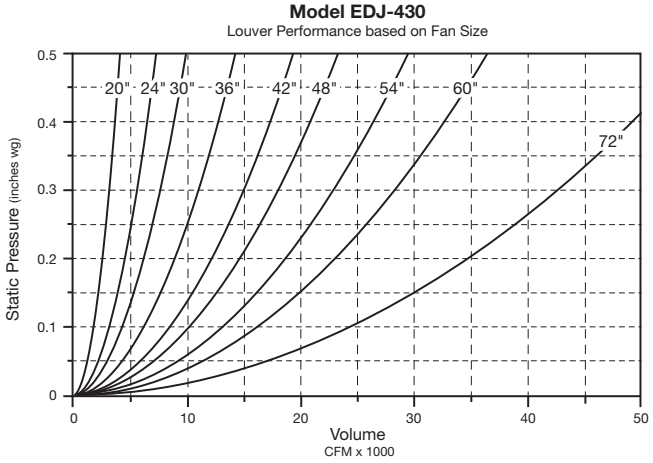




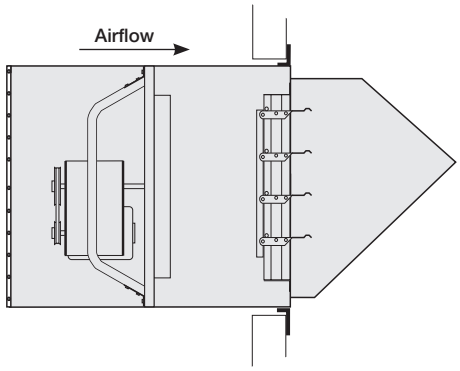
Louver Mounting

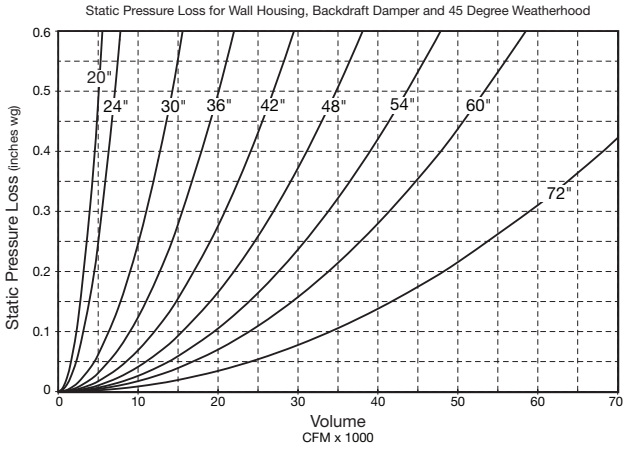
Where an exterior louvered appearance is desired, a variety of louvers can be used in conjunction with the wall housing or wall collar as shown. However, since louver free area is less than half of the wall opening, pressure drop across the louver must be considered when specifying the fan. The graph below shows louver pressure drop for Greenheck model EDJ-430 based on CFM and fan size.

For additional louver information visit www.greenheck.com or refer to the catalog Louver Products: Severe Duty, Stationary, Operable.

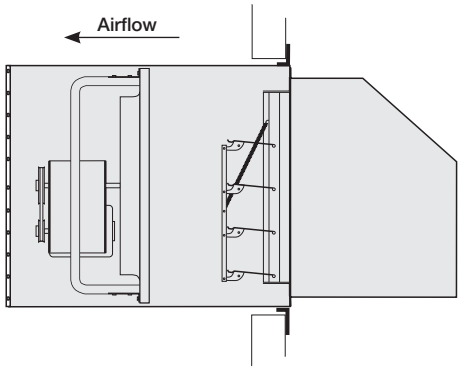


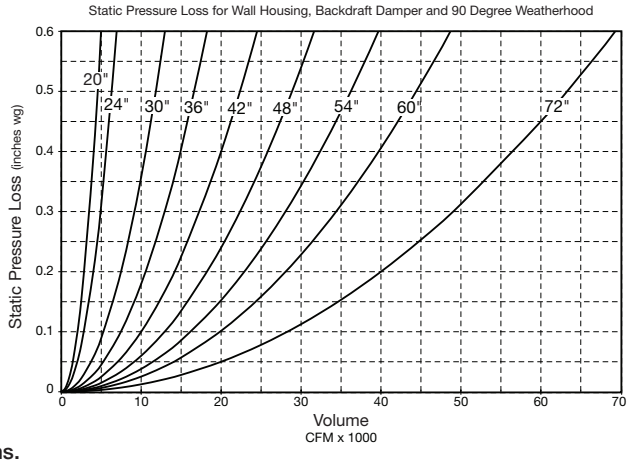
EXHAUST FAN in Wall Housing with Gravity Damper and Weatherhood





SUPPLY FAN in Wall Housing with Gravity Damper and Weatherhood

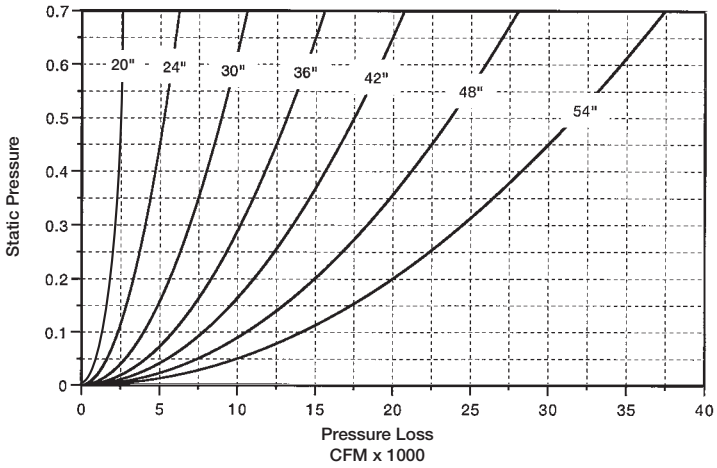




See section on page 12 about water ingress and mitigation on supply fans.

FILTERED SUPPLY FAN in Wall Housing with Filter Bank, Gravity Damper and Weatherhood

Note: This chart is for manual calculations only. CAPS has filter losses built into the selection tool when the filtered housing option is selected.

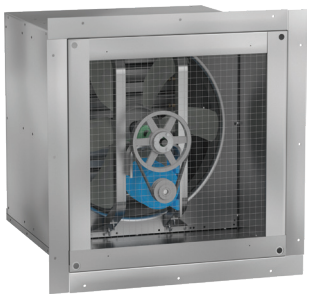


Filtered Supply Wall Housing Mounting

Filtered supply wall housings are available in six sizes for fans ranging from size 24 to 54 inches. They are designed with the draw-thru concept to achieve the highest filter and fan efficiencies.

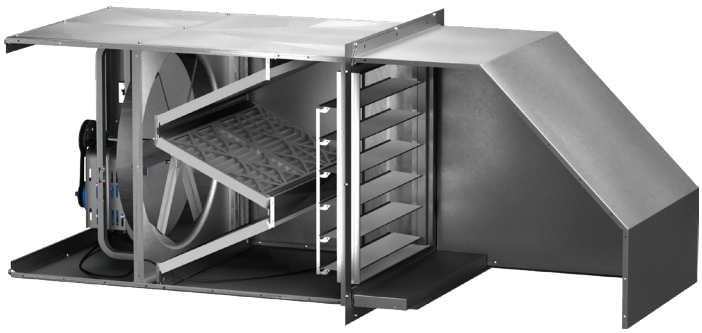
Standard construction is galvanized steel (painted steel optional). Mounting flanges are factory installed for either flush exterior or flush interior mounting. Permanent 2-inch washable filters are accessed through a bolted panel and can be easily removed for cleaning.

All accessory items available with the standard wall housing can be used with the filtered supply wall housing.



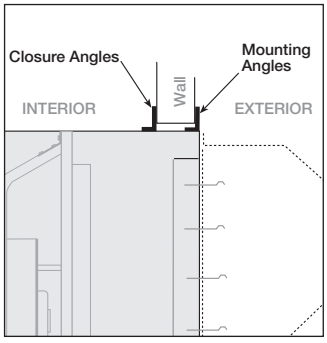
Size	Filter Size and Quantity
24	(4) 23-1/4 x 16-1/4
30	(4) 24-5/8 x 19-1/4
36	(6) 23-1/4 x 22-1/8
42	(6) 24-1/8 x 25-1/8
48	(12) 23-1/4 x 18-3/4
54	(12) 23-1/4 x 20-3/4

Filters are 2-inch nominal thickness. Above filter sizes are actual dimensions.
All dimensions given in inches.

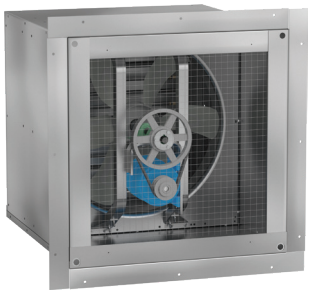


Closure Angles

An extra set of mounting flanges are available for field installation to close off the interior wall opening for a finished appearance.



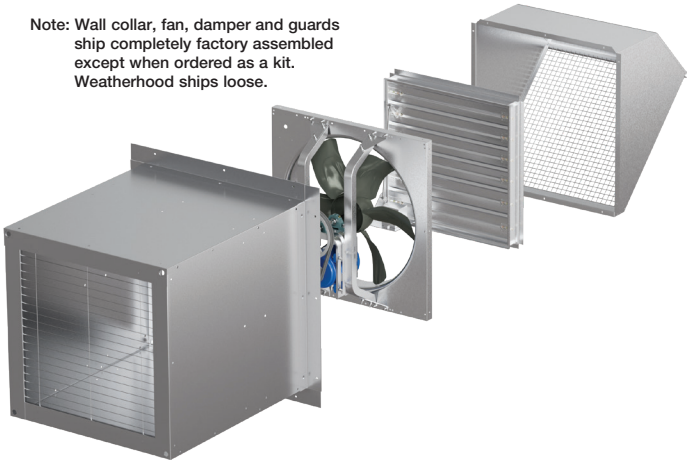
Wall Housing Mounting



Wall housings are the safest, most efficient and sturdy platform for mounting sidewall propeller fans and their optional accessories. Wall housings allow for a wide range of mounting arrangements to meet specific applications. It is constructed of galvanized steel (painted steel optional) with heavy-gauge mounting flanges and prepunched mounting holes. Protective guards of welded steel wire completely protect the drive side of the wall housing. Guards are coated with Permatector™, a thermal setting polyester urethane. Other paint finishes are also available. Wall housing guards that meet OSHA requirements are also available.

The wall housing is designed to reduce installation time and provide maximum installation flexibility. Attached accessories such as backdraft dampers, guards and weatherhoods may mount to either end. As a result, a wide variety of configurations are available to accommodate the needs of the system designer.

Note: Wall collar, fan, damper and guards ship completely factory assembled except when ordered as a kit. Weatherhood ships loose.

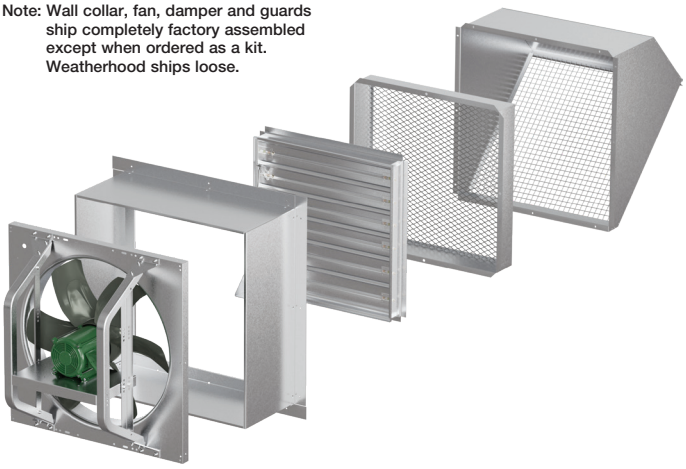


Wall housing or wall collar should be tipped slightly to the outside for water drainage.

Wall Collar Mounting

Wall collars offer an alternate method for mounting sidewall propeller fans and the optional accessories shown here. Standard construction is of galvanized steel (painted steel is optional) with heavy-gauge mounting flanges and prepunched mounting holes.

Note: Wall collar, fan, damper and guards ship completely factory assembled except when ordered as a kit. Weatherhood ships loose.



Water Ingress and Mitigation

Fans installed to supply air to a building carry the inherent risk of supplying moisture to the building as well. Rain, snow, driving wind, and cold temperature frosting can all contribute to the possibility of unwanted moisture entering the building.

The amount of water captured is dependent on air velocity, water droplet size, length of event, wind strength and wind direction. Because of these variables some degree of water entrainment can occur. Caution should be exercised when supplying air with a sidewall propeller fan.

- Weatherhoods and louvers are recommended to reduce the likelihood of water entering a building through the fan opening.
- Installing the fan with a slight slope toward the outside (1/8 inch per foot or more) will minimize water ingress to the building.
- Air velocities below 500 ft/min reduce the risk of rain ingress; however snow can be captured at much lower rates.
- Installation orientation consideration - mounting a fan on west or south side of a building increases potential for driving rain/moisture. Consider the north or east side for supply air fan mounting.
- Consider mounting under an eave with a rain gutter if fan will be mounted near the roofline.

The first consideration in any fan selection is the amount of air to be moved and the resistance to this air movement. With specific performance and application criteria in mind, propeller fan selections typically require decisions based on the following criteria.

Belt Drive vs. Direct Drive

Belt drive fans offer the ability to adjust fan speed for system balancing if necessary. They also offer more flexibility in speeds and motor selections. In a cost comparison, belt drive fans are typically less costly than comparable size direct drive fans with low speed motors.

Direct drive fans are often preferred for jobs where maintenance access is difficult. Maintenance costs are generally lower with direct drive fans, since there are no belts or bearings to replace and no pulleys to adjust.

Larger Fans vs. Smaller Fans

In most applications, several fans may meet the specified airflow and pressure requirements. Just as larger fans tend to turn slower and generate less sound, they also tend to have higher initial costs but lower operating costs. Smaller fans, with their higher speeds, have more stable performance curves, lower initial costs, higher sound levels, and higher operating costs.

Low Sound vs. High Static Pressure

Fans selected for high static pressures run at higher speeds and produce higher tip speeds, resulting in higher sound levels. Conversely, in low pressure applications, fans generally run at lower speed producing lower sound levels and are recommended for sound sensitive applications.

How Accessories Affect Static Pressure

All accessory losses must be accounted for when calculating static pressure load. In most cases dampers, guards and weatherhoods actually add very little to the total system pressure. This means that propeller fans used in conjunction with common accessories can typically be specified with low pressure capabilities below .375 in. wg *(93 Pa)*. However, in cases where airflow velocities exceed 1,500 ft/min *(7.6 m/s)* through the damper or where filters are used, static pressure loss may be significant. For more specific information on pressure losses due to accessories, refer to pages 10 and 11.

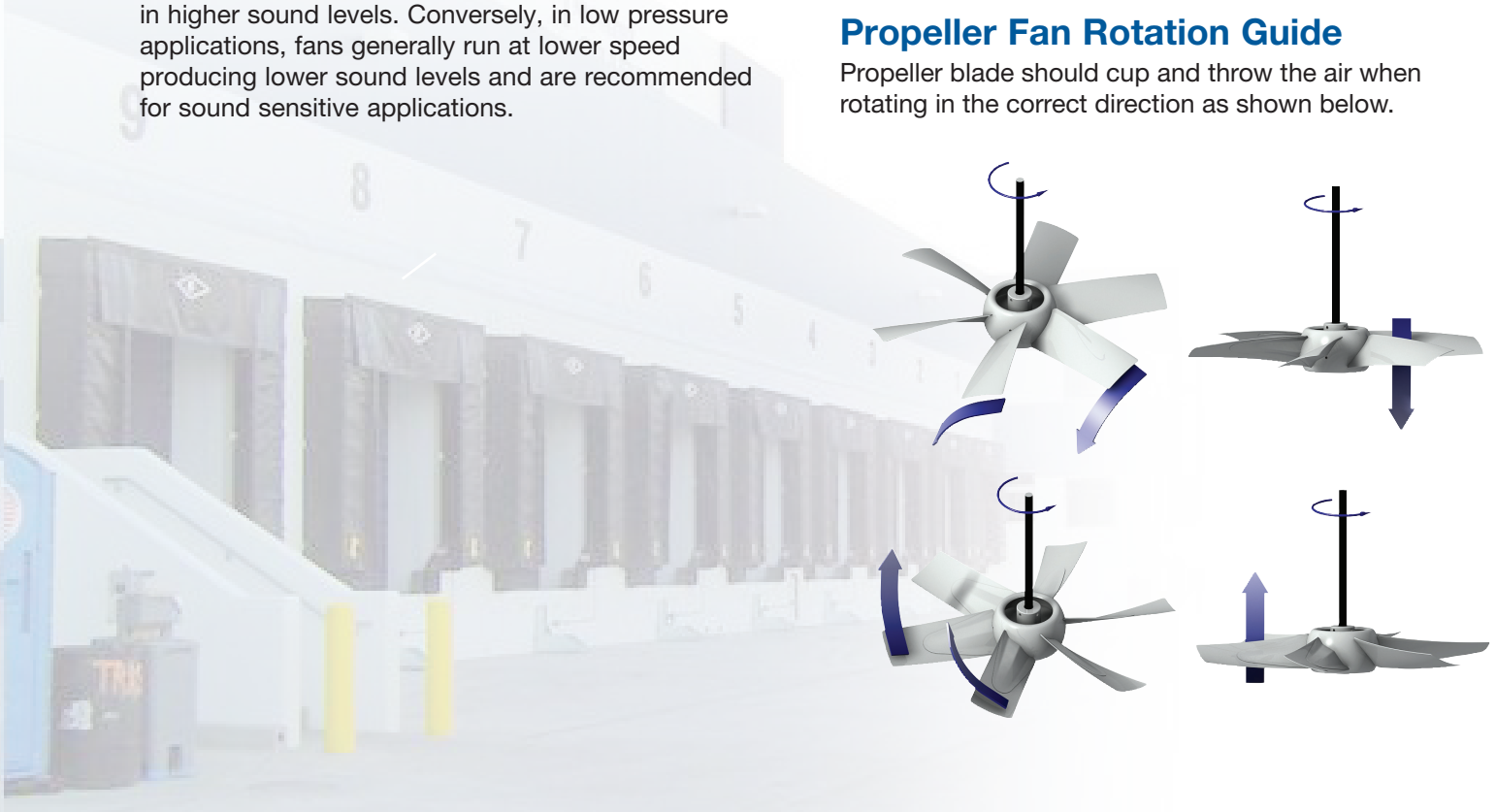
Motor Service Factor

Motors for sidewall propeller fans are cooled by the airstream. With an uninterrupted flow of cooling air, motors may be operated in their service factor range (up to 20% above the motor's nameplate horsepower) without damage due to overheating. Lesser overloads are recommended for applications using totally enclosed or explosion-resistant motors.

Belt drive performance tables in this catalog show two speed selections for each propeller type (L or H) at a given motor hp. The first selection is at 1.0 service factor. The second speed selection is at 1.2 service factor. Direct drive performance tables show BHP levels with service factors ranging up to 1.2. When a selection at 1.2 service factor is not desirable for the application, specify the next higher motor horsepower.

Propeller Fan Rotation Guide

Propeller blade should cup and throw the air when rotating in the correct direction as shown below.

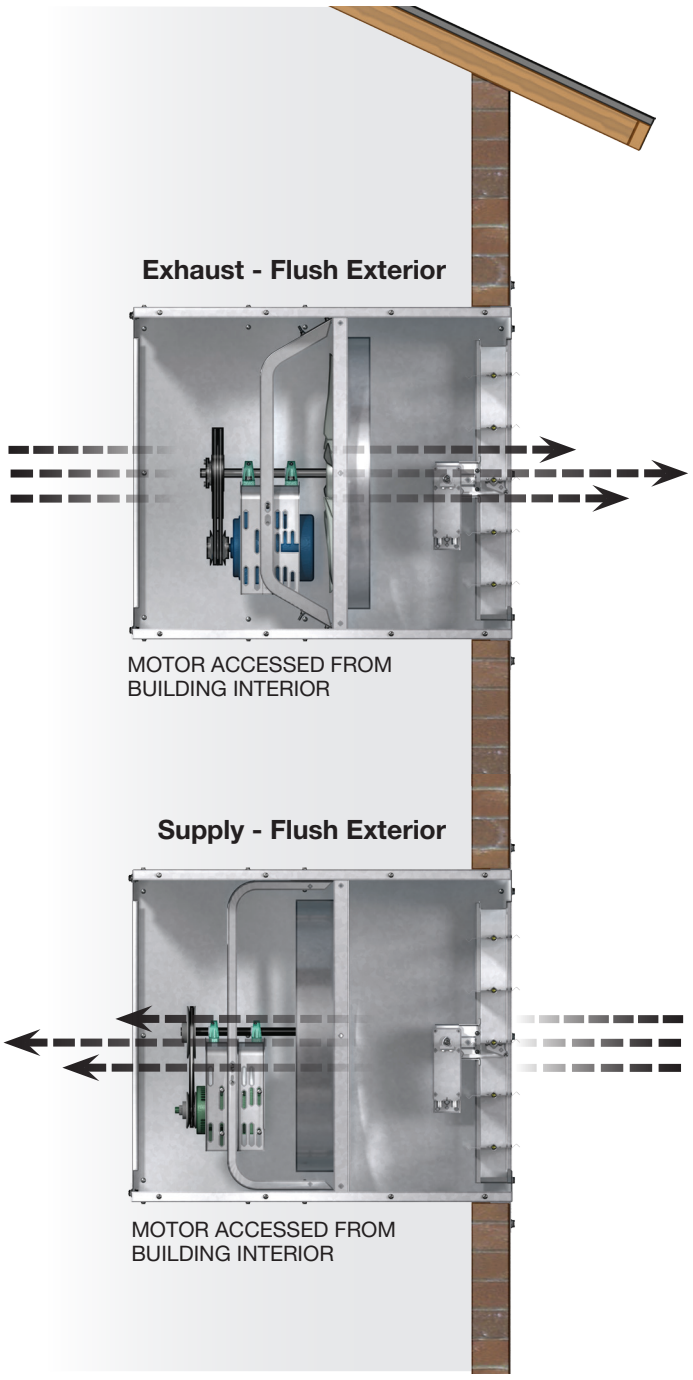


Sidewall propeller housings can be oriented in eight horizontal and eight vertical configurations. The two main considerations for determining which orientation the project requires are:

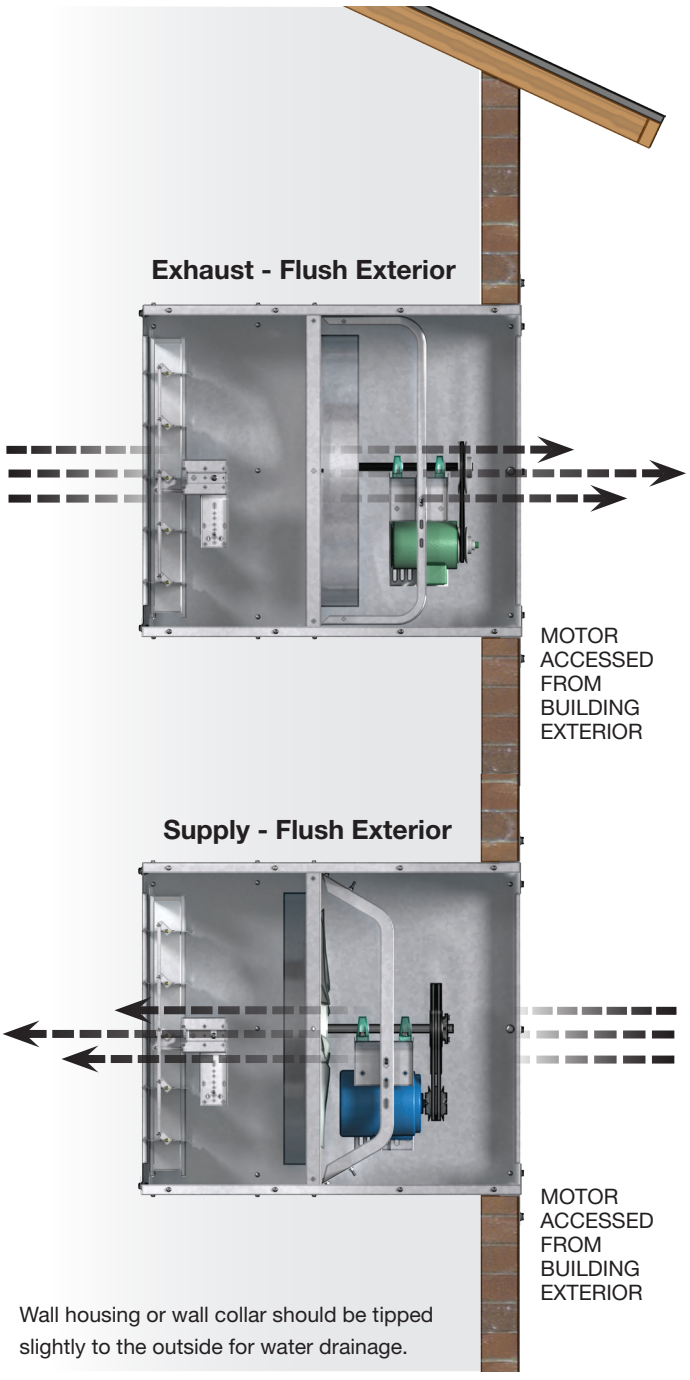
1. Will the fan and housing be placed inside the building or outside of the building?
2. How will the motor and drives be most easily accessed, from inside of the building or from outside of the building?

Flush Exterior - Motor and Drive Accessed From

Inside of Building - Damper Outside



Outside of Building - Damper Inside



Wall housing or wall collar should be tipped slightly to the outside for water drainage.

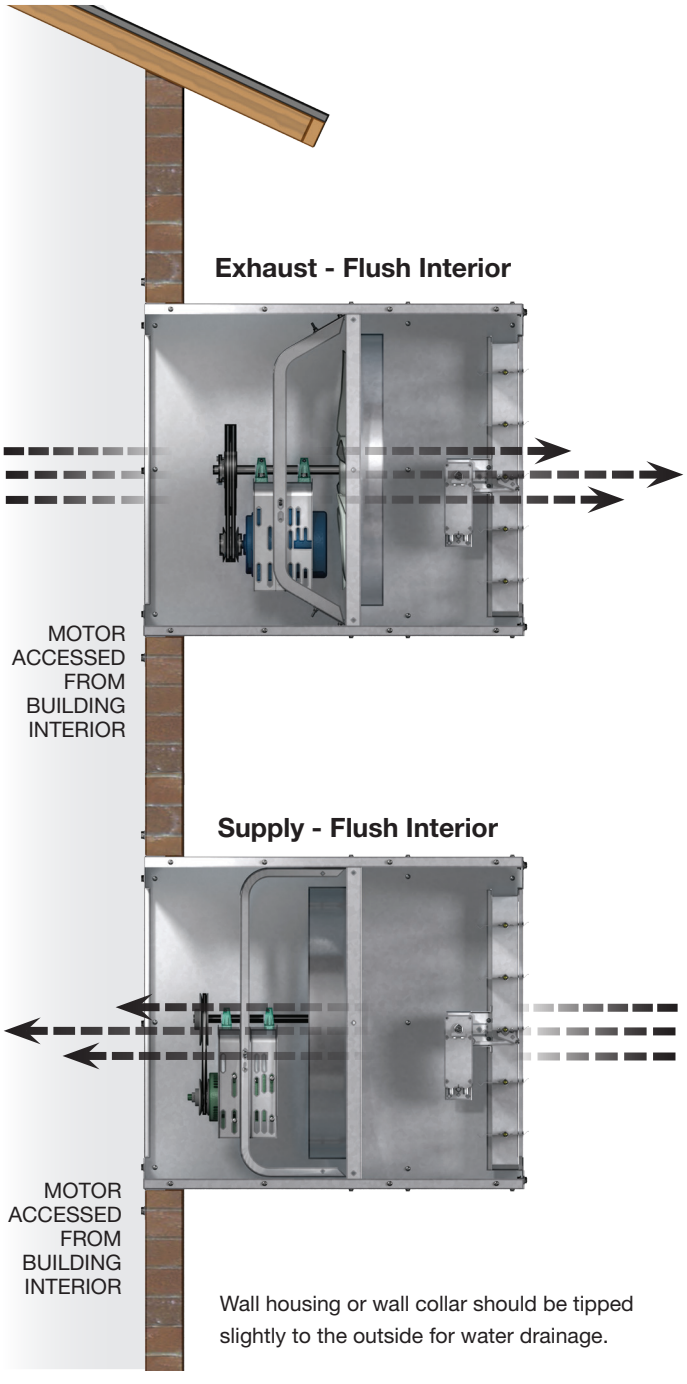
Flush Interior: The fan and housing will be outside the building and the end of the housing will be flush with the interior wall.

Flush Exterior: The fan and housing will be inside the building and the end of the housing will be flush with the exterior wall.

Motor Access: The motor and drives can be placed on either side of the propeller for access to grease bearings, check or change belts and inspect the motor/ wiring connections. Failure to assess the best access point can place maintenance personnel in extreme danger if they must reach through the propeller.

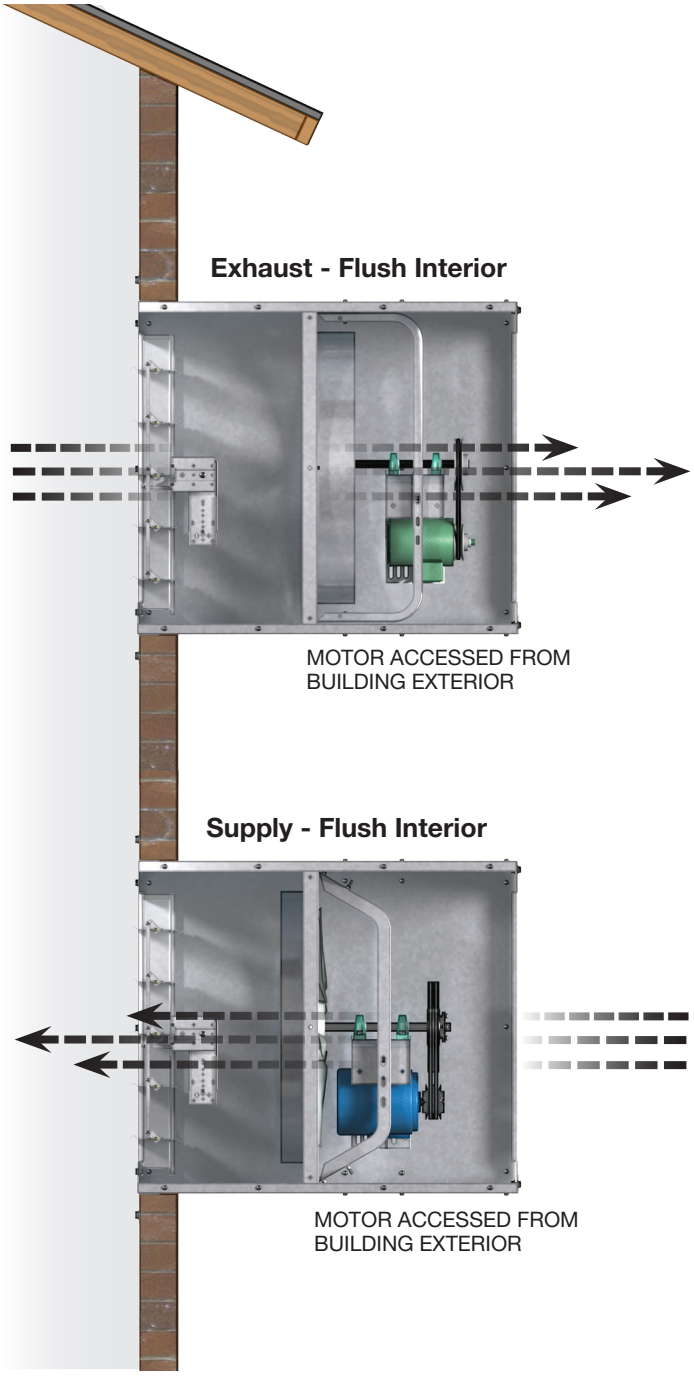
Flush Interior - Motor and Drive Accessed From

Inside of Building - Damper Outside

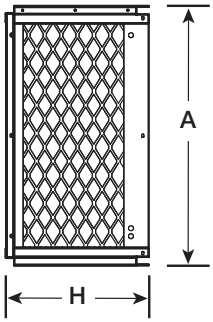


Wall housing or wall collar should be tipped slightly to the outside for water drainage.

Outside of Building - Damper Inside

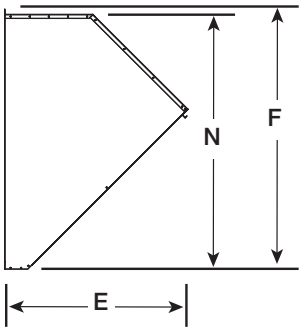


OSHA Motor Side Guard

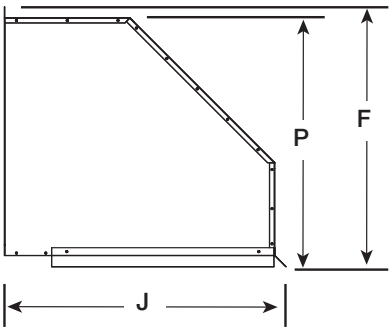


Damper Guard

45° Weatherhood



90° Weatherhood

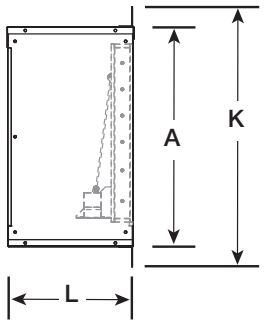


OSHA Side Guard				Galvanized Steel Gauge (ga) Thickness
Size	A	H		
		Supply	Exhaust	
8	13-1/8	9-5/8	9-5/8	18
10	15-1/4	10	10	18
12	18	12	12	18
14	20-1/8	12	12	18
16	22-1/8	12	12	18
18	24-1/8	12	12	18
20	26-1/8	22	17-3/4	18
24	32-1/8	22-3/4	19-3/4	18
30	38-1/8	26	21-1/2	18
36	44-1/8	31-1/4	24-1/4	18
42	50-1/8	33-1/4	27	18
48	56-1/8	34-3/4	29-1/4	18
54	62-1/8	39	34	16
60	68-1/8	39	30	16
72	74-1/8	39	34	16

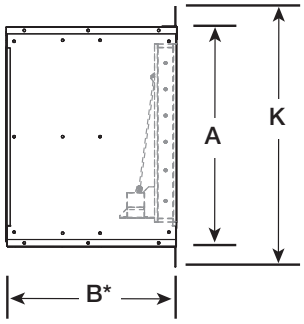
Size	Damper Guard		Damper	Weatherhood							Galvanized Steel Gauge (ga) Thickness
	C	D		E	J	N	P	Width	F 45°	F 90°	
8	5-1/2	10-1/4	10	13-1/4	16-3/8	11-1/4	12	10-1/2	12	12-3/4	18
10	6-1/2	12-1/4	12	14-7/8	18-1/2	13-3/8	14	12-1/2	14-1/4	14-7/8	18
12	5-1/4	14-1/4	14	16-3/8	20-3/8	15-5/8	16-3/8	14-1/2	16-7/8	17-1/2	18
14	6-1/4	16-1/4	16	17-1/2	22-1/2	17-5/8	18-3/8	16-1/2	18-7/8	19-1/2	18
16	6-3/4	18-1/4	18	19-3/8	25	19-5/8	20-3/8	18-1/2	20-7/8	21-1/2	18
18	6	20-1/4	20	22	27-1/2	21-5/8	22-3/8	20-1/2	22-7/8	23-1/2	18
20	6-1/2	22-1/4	22	24-3/4	29-3/4	23-5/8	24-3/8	22-1/2	24-7/8	25-5/8	18
24	6-1/4	26-1/4	26	26-7/8	36	30-3/8	31-3/4	29-1/8	31-3/4	33-1/8	18
30	6-1/2	32-1/4	32	29-1/8	40-1/8	36-1/2	37-7/8	35-1/8	37-7/8	39-1/4	18
36	6-3/4	38-1/4	38	33	45-1/2	42-1/2	43-7/8	41-1/8	43-7/8	45-1/4	18
42	10	44-1/4	44	35-3/4	49-1/4	48-1/2	49-7/8	47-1/8	49-7/8	51-1/4	18
48	9	50-1/4	50	40-3/8	55-1/2	54-5/8	56	53-1/4	56	57-3/8	18
54	7-1/2	56-1/4	56	44-3/4	61-1/4	60-7/8	62-1/4	59-1/2	62-1/4	63-5/8	16
60	7-1/4	62-1/4	62	48-3/8	66-1/2	67	68-3/8	65-5/8	68-3/8	69-3/4	16
72	7-1/2	74-1/4	74	53-1/4	72-1/8	79-1/2	80-7/8	78-1/8	80-3/4	82-1/8	16

All dimensions in inches.

Wall Collar

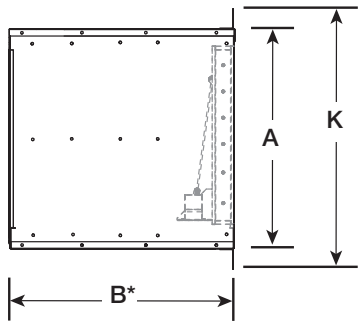


Short Wall Housing



* B - Short Wall Housing: B dimension will increase by 6 inches when a long wall housing is selected or a motorized backdraft damper is specified. For complete dimensional information refer to submittal. All dimensions given in inches.

Long Wall Housing

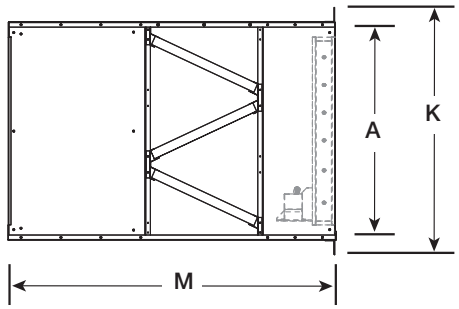


* B - Short Wall Housing: B dimension will increase by 6 inches when a long wall housing is selected or a motorized backdraft damper is specified. For complete dimensional information refer to submittal. All dimensions given in inches.

Size	Wall Collar and Housings						Galvanized Steel Gauge (ga) Thickness
	A	B*	K	L	M	W.O.	
8	13-1/4	19	16-1/4	16-1/8	—	14-1/4	18
10	15-1/4	19	18-1/4	16-1/8	—	16-1/4	18
12	18-1/4	23	21-1/4	16-1/8	—	19-1/4	18
14	20-1/4	26	23-1/4	18-3/8	—	21-1/4	18
16	22-1/4	27	25-1/4	18-3/8	—	23-1/4	18
18	24-1/4	28	27-1/4	18-3/8	—	25-1/4	18
20	26-1/4	32	29-1/4	18-3/8	—	27-1/4	18
24	32-1/4	37	38-1/4	18-3/8	63	33-3/4	18
30	38-1/4	38	44-1/4	18-3/8	65	39-3/4	18
36	44-1/4	39	50-1/4	18-3/4	67-1/4	45-3/4	18
42	50-3/8	44	56-3/8	18-3/4	72-7/8	51-3/4	18
48	56-3/8	44	62-3/8	18-7/8	72-7/8	57-3/4	18
54	62-3/8	52	68-3/8	20-1/8	79-11/16	63-3/4	18
60	68-3/8	54	74-3/8	2	—	69-3/4	16
72	83-1/8	60	89-1/8	22	—	84-3/4	12

All dimensions in inches.

Filtered Wall Housing



Backdraft Dampers

Used as a stand-alone accessory or in conjunction with a wall housing or wall collar accessory, backdraft dampers are available for exhaust or supply configurations. Backdraft dampers are constructed with aluminum or galvanized frames and blades and vinyl blade seals. Actuators are available in 24, 115, 208, 230, or 460 volts. Actuators for 50-cycle voltages are also available.

Backdraft damper model availability will be limited if fan velocity exceeds maximum damper catalog velocity.

WD-320/430 Series

EM-31 Series

Commercial Control Dampers

Used as a stand-alone accessory or in conjunction with a wall housing or wall collar accessory, commercial control dampers are available for exhaust or supply configurations. Commercial control dampers are constructed with galvanized or aluminum frames and galvanized or stainless steel blades and stainless steel blade seals. Actuators are available in 24, 115, 208, 230, or 460 volts. Actuators for 50-cycle voltages are also available.

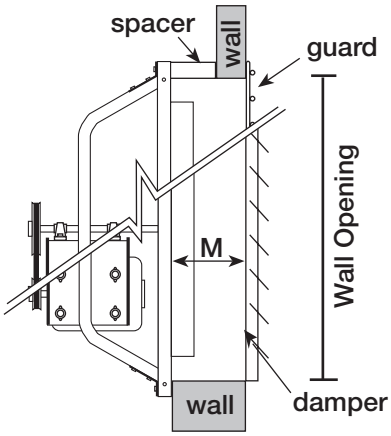
VCD-20/30/40 Series

Damper Availability	EM-31	VCD-20	VCD-23	VCD-33	VCD-34	VCD-42	VCD-43	WD-320	WD-430
Exhaust	○	●	●	○	○	○	○	●	
Supply		●	●	○	○	○	○		●

○ Ship Loose Only ● Factory Attached or Ship Loose

Fan Size	M	Wall Opening
8	6	10-1/2 x 10-1/2
10	6	12-1/2 x 12-1/2
12	7	14-1/2 x 14-1/2
14	8	16-1/2 x 16-1/2
16	9	18-1/2 x 18-1/2
18	10	20-1/2 x 20-1/2
20	12	22-1/2 x 22-1/2
24	13	26-1/2 x 26-1/2
30	13	32-1/2 x 32-1/2
36	14	38-1/2 x 38-1/2
42	15	44-1/2 x 44-1/2
48	16	50-1/2 x 50-1/2
54	17	57-1/2 x 57-1/2
60	19	63-1/2 x 63-1/2
72	19	74-1/2 x 74-1/2

All dimensions in inches.

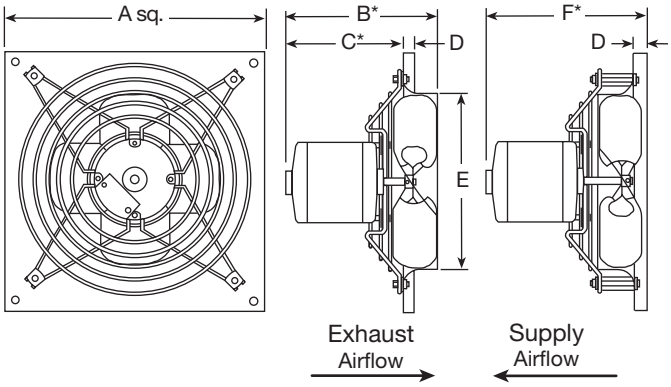


Volume control dampers that are ordered with explosion proof (EXP) actuators will effect overall length of long wall housing depending on fan size and actuator; consult factory.

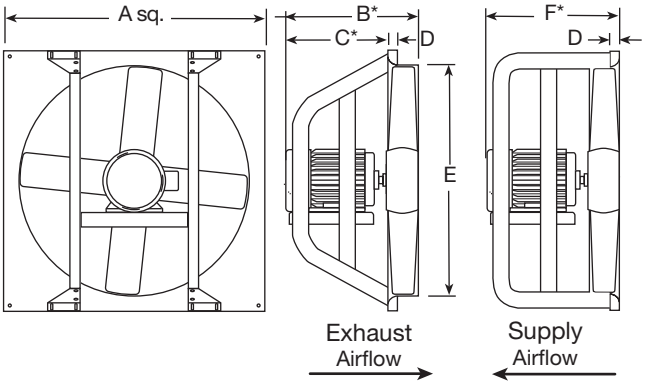
Fan Size	A Sq.	B*	C*	D	E	F*	Damper Size
Level 1							
8	13	7	5	1	8-3/8	8	10 x 10
10	15	8-3/4	5	1	10-3/8	8	12 x 12
12	18	10-3/4	8-1/4	1	12-3/8	13-1/8	14 x 14
14	20	11-1/4	8-1/2	1	14-3/8	14-1/4	16 x 16
16	22	11-3/4	8-7/8	1	16-3/8	14	18 x 18
18	24	14	10-7/8	1	18-3/8	14-1/4	20 x 20
20	26	17-1/4	11	1	20-1/2	18	22 x 22
24	32	20	12-5/8	1-1/4	24-3/8	21	26 x 26
Level 2							
16	22	13-1/2	10-1/4	1	16-3/8	14	18 x 18
18	24	13-1/2	10-1/4	1	18-3/8	14-1/4	20 x 20
20	26	17-1/4	13-1/2	1	20-1/2	18	22 x 22
24	32	20	13-1/2	1-1/4	24-5/8	21	26 x 26
30	38	20-1/2	16-3/8	1-1/4	30-5/8	21-3/4	32 x 32
36	44	20-1/2	16-3/8	2	36-5/8	28	38 x 38
42	50	26	18-1/4	2	42-5/8	28	44 x 44
48	56	26-5/8	20-5/8	2	48-5/8	28-1/2	50 x 50
54	62	28	22-7/16	2	55-3/8	30-1/8	56 x 50
Reversible							
24	32	20	13½	1-1/4	24-5/8	-	26 x 26
30	38	20-1/2	16-3/8	1-1/4	30-3/4	-	32 x 32
36	44	20-1/2	16-3/8	2	36-5/8	-	38 x 38
42	50	26	18-1/4	2	42-5/8	-	44 x 44
48	56	26-5/8	20-5/8	2	49	-	50 x 50
54	62	28	22-7/16	2	55-3/8	-	56 x 56

*Varies with motor selection. All dimensions in inches.

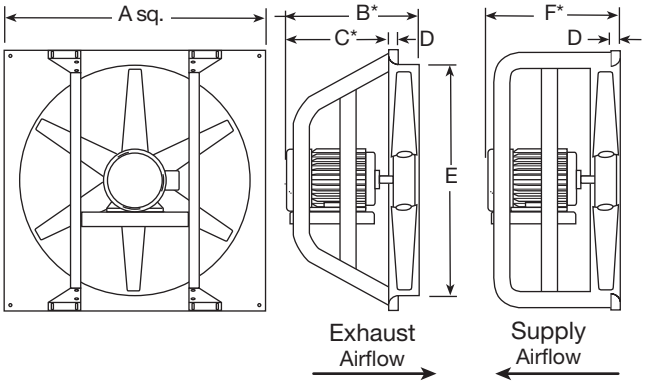
Level 1: Sizes 8 - 12



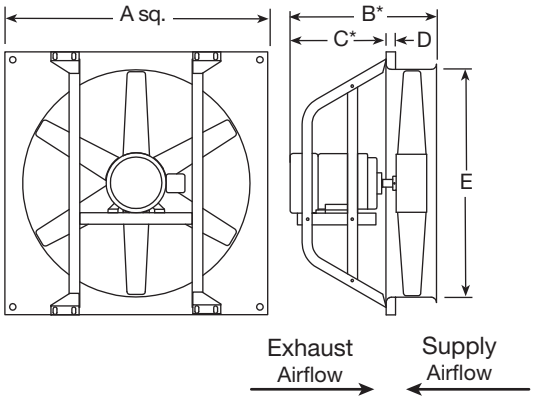
Level 1: Sizes 12 - 24



Level 2



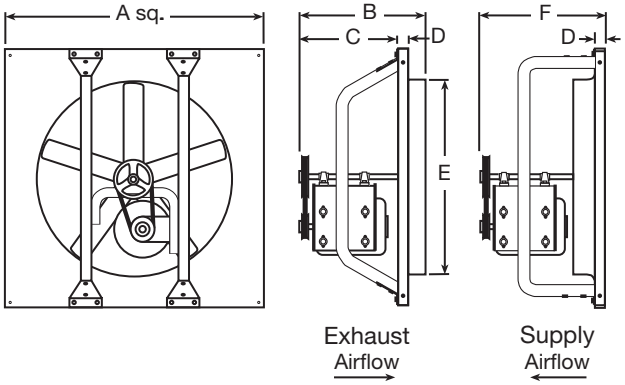
Reversible



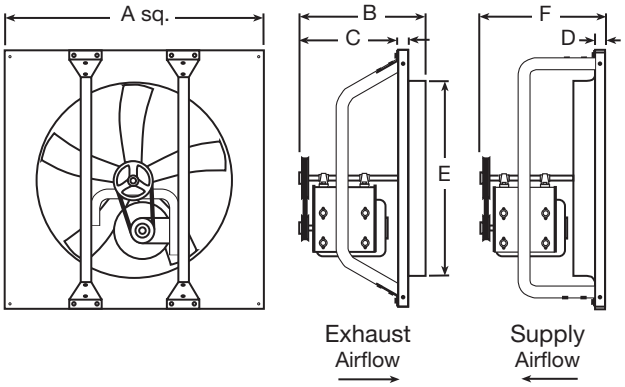
Fan Size	A Sq.	B	C	D	E	F*	Damper Size
Level 1							
20	26	19-1/2	16-1/4	1	20-1/2	20	22 x 22
24	32	19-1/2	16-1/8	1-1/4	24-5/8	20	26 x 26
30	38	22-1/2	18-1/4	1-1/4	30-5/8	21	32 x 32
36	44	21-1/2	16-1/2	2	36-5/8	23	38 x 38
42	50	25	20	2	42-3/4	23	44 x 44
48	56	25	19	2	48-3/4	23	50 x 50
Level 2							
20	26	19-1/2	16-1/4	1	20-1/2	20	22 x 22
24	32	19-1/2	16-1/8	1-1/4	24-5/8	20	26 x 26
30	38	21-1/2	17-1/4	1-1/4	30-5/8	21	32 x 32
36	44	21-1/2	16-1/2	2	36-5/8	22	38 x 38
42	50	25	20	2	42-3/4	25-1/2	44 x 44
48	56	25	19	2	48-3/4	25-1/2	50 x 50
54	62	26	20-1/2	2	55-1/4	24	56 x 56
60	68	28	21-7/16	2	61-1/4	24	62 x 62
Level 3 and Reversible							
24	32	19	15-5/8	1-1/4	24-5/8	20-1/2	26 x 26
30	38	21-1/2	17-1/4	1-1/4	30-5/8	20	32 x 32
36	44	28	23	2	36-5/8	27	38 x 38
42	50	28	23	2	42-3/4	29-1/4	44 x 44
48	56	31-1/2	27-1/2	2	48-7/8	30-1/2	50 x 50
54	62	35-3/4	30-1/4	2	55-1/4	36-1/4	56 x 56
60	68	35	28-7/16	2	61-1/4	35-1/2	62 x 62
72	82	35	28-1/4	2-1/8	73-1/4	35-1/2	74 x 74

All dimensions in inches.

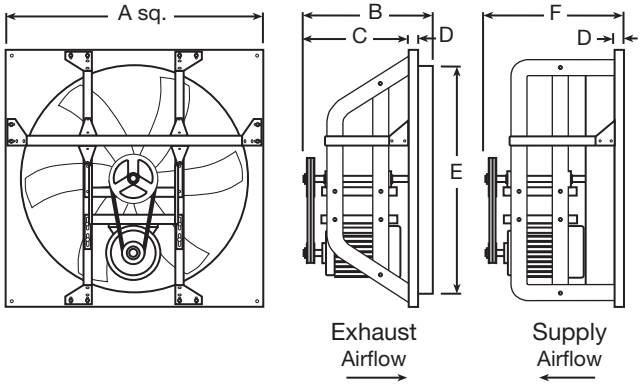
Level 1



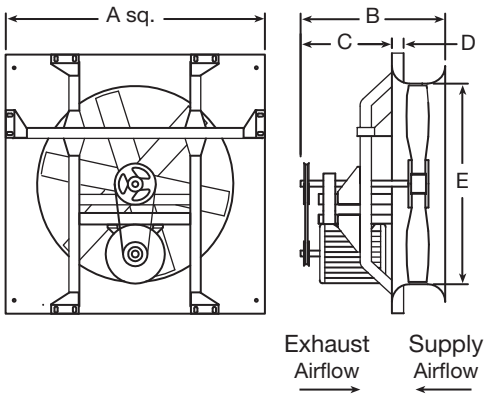
Level 2



Level 3



Reversible



Model SE1 (direct drive) is available with Greenheck's Vari-Green® technology. Greenheck's Vari-Green products are designed for efficiency, controllability and low maintenance.

Motors

The Greenheck Vari-Green motor is an electronically commutated (EC) motor that operates on single or three phase AC power input and internally converts it to DC power providing better speed control capabilities (up to an 80% turndown) and higher efficiencies than standard motors. The Vari-Green motor blends technology, controllability and energy efficiency in a low maintenance package that has changed the way the industry designs, specifies and operates air movement equipment. Depending on power rating, Vari-Green motors are available in both single and three phase with either a dial-mounted potentiometer (speed control) or wired to accept a 0-10 VDC control signal from an external source.

Controls

For expanded controllability, Greenheck offers many different solutions to fit any need. Controls are designed specifically for Vari-Green motors. These controls are available for applications requiring manual operation or demand-controlled ventilation (DCV). Applications utilizing DCV controls provide only the desired amount of ventilation, delivering building owners savings on their energy bills.

Manual Controls

- Dial-on Motor
- Remote Dial
- Touch Remote

Demand Controlled Ventilation

- Hand/Off/Auto (HOA)
- Constant Airflow
- Constant Pressure
- Air Quality - Volatile Organic Compound (VOC)
- Air Quality - Temperature/Humidity
- 0-10 VDC Signal from Building Management System (BMS)

Direct Drive Number Code

The model number system is designed to completely identify the fan. The correct code letters must be specified to designate direct drive with exhaust, supply, or reversible air configuration. The remainder of the model number is determined by the size and performance selected from the following pages.

S E 2 - 24 - 6 20 - B VG/7

Model Sidewall Direct Drive
S - Fabricated Propeller
SC - Cast Propeller
(Level 3 only)

E - Exhaust
S - Supply
C - Reversible

Level of Construction
1, 2, 3

Fan Size

Number of Blades

Blade Pitch

Motor RPM (60Hz)

A = 1750	G = 1300
B = 1160	J = 1440
C = 860	L = 1290
D = 1550	P = 1650
E = 1050	

VG = Vari-Green® *(Direct Drive Only)*

Motor HP

4 = 1/4	10 = 1	30 = 3
3 = 1/3	15 = 1-1/2	50 = 5
5 = 1/2	20 = 2	75 = 7-1/2
7 = 3/4		

Belt Drive Number Code

The model number system is designed to completely identify the fan. The correct code letters must be specified to designate belt drive with exhaust, supply, or reversible air configuration. The remainder of the model number is determined by the size and performance selected from the following pages.

SB E - 2 L 24 - 7

Model Sidewall Belt Drive
SB - Fabricated Propeller
SBC - Cast Propeller
(Level 3 only)

E - Exhaust
S - Supply
R - Reversible

Level of Construction
1, 2, 3

Propeller Type
L - Low
H - High

Fan Size

Motor HP

4 = 1/4	15 = 1-1/2	75 = 7-1/2
3 = 1/3	20 = 2	100 = 10
5 = 1/2	30 = 3	150 = 15
7 = 3/4	50 = 5	200 = 20
10 = 1		

Model Number	Fan RPM	Max BHP	Max Sones	CFM/Static Pressure in Inches WG											
				0.00	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75
Vari-Green SE1 Performance															
SE1-8-440	1725	0.044	11.3	511	476	435	387	349	261	220	191				
	300			89											
SE1-10-440	1725	0.098	11.3	1029	979	921	889	856	792	707					
	300			179											
SE1-12-426	1725	0.078	14.8	1239	1187	1122	1084	1043	947	828	711	468			
	300			215											
SE1-12-432	1725	0.26	14.8	1613	1553	1490	1455	1421	1334	1254	1176	1056	888	679	556
	300			281											
SE1-12-436	1725	0.13	16.7	1621	1570	1513	1471	1429	1346	1230	1073	639			
	300			282											
SE1-14-432	1725	0.27	12.5	2370	2317	2264	2237	2209	2152	2096	2007	1864			
	300			412											
SE1-14-436	1725	0.38	16.3	2695	2635	2575	2544	2511	2445	2378	2292	2129	1728	1183	
	300			469											
SE1-14-440	1725	0.47	21	2386	2307	2234	2205	2176	2119	2048	1973	1877	1435	1282	1163
	300			415											
SE1-16-421	1725	0.36	19	2516	2470	2424	2400	2377	2327	2268	2210	2093	1862		
	300			438											
SE1-16-426	1725	0.49	31	3136	3081	3026	2999	2972	2917	2852	2787	2681	2464		
	300			545											
SE1-16-428	1725	0.61	16.1	3325	3266	3207	3178	3149	3088	3026	2963	2849	2637	2385	1801
	300			578											
SE1-16-436	1725	0.85	21	4019	3956	3894	3863	3832	3766	3697	3629	3526	3262	2790	2214
	300			699											
SE1-18-424	1725	0.7	17	4164	4090	4017	3980	3943	3859	3768	3676	3519	3157	2826	
	300			724											
SE1-18-429	1725	0.85	22	4816	4737	4658	4618	4578	4489	4382	4274	4113	3817	3342	2860
	300			838											
SE1-20-420	1550	0.61	24	4148	4074	4000	3963	3926	3859	3793	3726	3610	3352		
	1725	0.84	24	4616	4550	4483	4450	4417	4352	4292	4232	4143	3953	3718	
	300			803											

Performance certified is for installation type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels.

Model Number	Motor HP	Fan RPM	Watts Max BHP	Sones @ Free Air	CFM/Static Pressure in Inches WG											
					0.00	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75
SE1/SS1 Performance																
S1-8-424-G	1/80	1350	28W	3.2	300	263	190									
S1-8-426-D		1550	39 W	3.7	310	282	232	190	140							
S1-8-428-P	1/40	1650	53 W	3.9	329	303	266	237	214	149						
S1-8-440-E	1/100	1050	50 W	1.5	311	224	127	101								
S1-8-440-G	1/40	1350	55 W	3.5	400	354	257	189	174	138						
S1-8-440-D	1/25	1550	75 W	4.9	459	420	351	308	256	198	167	115				
S1-10-424-D	1/50	1550	45 W	4.6	575	526	462	407								
S1-10-426-P	1/30	1650	55 W	4.8	590	551	502	468	429							
S1-10-428-P	1/20		78 W	5.2	606	574	537	511	484	407	273	249	214			
S1-10-440-E	1/40	1050	105 W	3.2	626	533	361									
S1-10-440-G	1/20	1350	135 W	4.9	805	739	656	616	565							
S1-10-440-D	1/12	1550	170 W	5.9	924	869	801	763	777	641						
S1-12-426-D	1/10	1550	105 W	6.6	1113	1055	976	930	878	749	609	428				
S1-12-436-G		1350	120 W	7.5	1269	1203	1101	1048	974	780	359					
S1-12-432-E	1/20	1050	125 W	4.3	982	878	745	678	623	464	383					
S1-12-432-G	1/12	1350	170 W	6.0	1262	1185	1098	1038	987	886	798	721	540			
S1-12-432-D	1/8	1550	190 W	7.5	1449	1383	1309	1271	1225	1129	1042	953	861	615	478	
S1-12-432-C8		860	0.03	4.0	804	664	512	438	349	249						
S1-12-432-B6	1/6	1160	0.07	4.8	1084	991	872	816	755	660	503	431				
S1-12-432-A4	1/4	1750	0.27	8.7	1636	1577	1515	1481	1447	1365	1282	1207	1085	947	706	585
S1-14-440-C8	1/8	860	0.07	5.9	1189	1055	919	711	649	551	408					
S1-14-440-B6	1/6	1160	0.15	7.3	1604	1493	1406	1350	1297	1207	908	837	720			
S1-14-432-A4	1/4	1750	0.29	12.9	2404	2351	2299	2273	2245	2189	2134	2052	1912	1636		
S1-14-436-A3	1/3		0.39	14.8	2734	2674	2615	2585	2553	2487	2422	2340	2192	1829	1220	
S1-16-436-C8	1/8	860	0.12	5.0	2003	1876	1732	1621	1433	1037	849	705				
S1-16-426-B6	1/6	1160	0.15	7.5	2108	2027	1942	1894	1846	1725	1588					
S1-16-428-B6			0.19	7.6	2235	2148	2058	2012	1964	1840	1710	1534	1126			
S1-16-436-B4	1/4		0.29	9.5	2702	2609	2512	2461	2410	2281	2067	1761	1359	1049		
S1-16-421-A3	1/3	1750	0.38	13.5	2552	2506	2461	2438	2415	2367	2309	2252	2143	1916		
S1-16-428-A5	1/2		0.63	15.3	3372	3315	3257	3228	3199	3140	3078	3016	2908	2700	2468	1861
S1-16-436-A7	3/4		0.89	16.6	4076	4015	3954	3923	3892	3828	3760	3693	3591	3349	2902	2298
S1-18-434-C8	1/8	860	0.15	8.7	2661	2464	2202	2032	1874	1346						
S1-18-436-C6	1/6		0.19	9.2	2778	2595	2319	2102	1963	1385	1108	912				
S1-18-424-B6		1160	0.20	6.7	2800	2690	2568	2501	2427	2257	2025	1828				
S1-18-429-B4	1/4		0.30	7.2	3238	3120	2987	2908	2828	2668	2434	2145	1510	1183		
S1-18-436-B3	1/3		0.45	12.6	3747	3621	3466	3370	3267	3034	2732	2548	1727	1363		
S1-18-424-A5	1/2	1750	0.67	15.7	4224	4151	4079	4043	4006	3925	3835	3745	3592	3252		
S1-18-429-A7	3/4		0.88	17.4	4885	4807	4729	4690	4651	4565	4460	4354	4196	3926	3460	2984
S1-20-428-C6	1/6	860	0.19	10.8	3133	3001	2823	2727	2641	2390						
S1-20-436-C4	1/4		0.29	11.7	3888	3717	3523	3420	3285	2918	2237	2091	1873			
S1-20-424-B4		1160	0.30	13.8	3655	3561	3467	3419	3364	3255	3095	2924	2661			
S1-20-428-B3	1/3		0.45	14.3	4227	4128	4030	3974	3901	3755	3621	3493	3175			
S1-20-436-B5	1/2		0.70	14.4	5245	5118	4991	4926	4849	4697	4525	4321	3863	2920	2650	
S1-20-420-A7	3/4	1750	0.87	24	4682	4617	4552	4519	4486	4421	4362	4303	4215	4036	3810	
S1-20-428-A10	1		1.19	25	6377	6311	6246	6214	6181	6116	6050	5965	5820	5580	5368	5087
S1-20-432-A15	1-1/2		1.73	26	7115	7038	6962	6924	6886	6809	6733	6653	6518	6292	6016	5688
S1-24-432-C4	1/4	860	0.34	9.1	5000	4767	4540	4409	4233	3789						
S1-24-436-C3	1/3		0.41	10.0	5457	5232	5002									
S1-24-437-C5	1/2		0.58	11.6	6136	5953	5764	5631	5497	5150	4720	4341				
S1-24-428-B5		1160	0.61	14.1	5908	5794	5680	5623	5566	5382	5175	4898				
S1-24-432-B7	3/4		0.83	14.7	6745	6572	6399	6313	6229	6064	5830	5569	5007			

Performance certified is for installation type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels.

Model Number	Motor HP	Fan RPM	Max BHP	Sones @ Free Air	CFM / Static Pressure in Inches WG											
					0.00	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75	1.00
SE2 / SS2 Performance																
S2-16-427-B6	1/6	1160	0.15	11.3	2213	1933	1849	1766	1536	1215	894					
S2-16-435-B6			0.20	11.6	2522	2239	2150	2055	1732	1434						
S2-16-417-A4	1/4	1750	0.30	18.7	2582	2414	2375	2336	2255	2156	2053	1869	1435	1084		
S2-16-423-A3	1/3		0.38	19.9	3076	2899	2854	2809	2719	2621	2524	2331	1916	1362	1051	
S2-16-430-A5	1/2		0.56	23	3531	3344	3297	3250	3155	3058	2944	2750	2303	1642	1223	
S2-18-423-B6	1/6	1160	0.20	12.5	2917	2632	2562	2458	2249	2018	1727	1227				
S2-18-430-B4	1/4		0.29	14.2	3376	3038	2944	2861	2662	2398	2084					
S2-18-435-B3	1/3		0.35	16.2	3658	3311	3208	3089	2850	2556	1903					
S2-18-411-A4	1/4	1750	0.30	21	3121	2978	2941	2893	2799	2697	2586	2415	2081	1883	1251	
S2-18-415-A3	1/3		0.41	22	3623	3476	3439	3400	3300	3199	3091	2920				
S2-18-421-A5	1/2		0.59	22	4177	4015	3975	3931	3807	3683	3574	3416	3059	2558	2134	
S2-20-420-B6	1/6	1160	0.21	15.3	3697	3350	3257	3137	2857	2532	2155	1739				
S2-20-423-B4	1/4		0.30	17.2	3997	3626	3522	3419	3153	2834	2430					
S2-20-430-B3	1/3		0.40	18.6	4468	4087	3989	3882	3626	3281						
S2-20-407-A4		1750	0.37	27	3579	3382	3333	3282	3180	3053	2922	2744	2300	1869	1342	
S2-20-410-A3			0.37	28	4035	3835	3785	3731	3623	3461	3254	3113	2791			
S2-20-415-A5	1/2		0.57	29	4934	4697	4637	4578	4454	4330	4185	3957	3572	3066		
S2-20-420-A7	3/4		0.88	30	5577	5355	5300	5243	5121	4999	4877	4614	4138	3544	2992	
S2-20-427-A10	1		1.19	33	6633	6364	6297	6231	6099	5968	5837	5613	5179	4614	3812	
S2-20-435-A15	1-1/2		1.76	35	7266	6980	6909	6837	6691	6543	6396	6115	5453	4658		
S2-24-615-C4	1/4	860	0.28	15.7	4687	4200	4058	3895	3561	3126	2488					
S2-24-620-C3	1/3		0.36	18.5	5300	4710	4557	4410	3993	3445	2607					
S2-24-630-C5	1/2		0.54	18.8	6439	5768	5599	5412	4993	4387						
S2-24-620-B7	3/4	1160	0.86	23	7148	6728	6619	6502	6268	6049	5831	5308	4315			
S2-24-625-B10	1		1.13	25	7917	7491	7391	7291	7060	6781	6501	6035	4850	2745		
S2-24-600-A7	3/4	1750	0.87	36	5070	4877	4828	4778	4676	4573	4455	4251	3911	3518	3161	2287
S2-24-604-A10	1		1.18	39	6297	6081	6027	5973	5865	5747	5627	5447	5084	4671	4203	3223
S2-24-610-A15	1-1/2		1.70	40	8137	7904	7845	7787	7670	7559	7448	7281	6968	6571	6178	5106
S2-24-615-A20	2		2.28	41	9537	9310	9253	9197	9083	8961	8835	8646	8315	7915	7508	6559
S2-30-618-C7	3/4	860	0.79	23	9698	9066	8886	8707	8309	7892	7340	6370				
S2-30-625-C10	1		1.18	28	11515	10823	10644	10461	10097	9629	9051	7945	5213			
S2-30-635-C15	1-1/2		1.80	32	13290	12505	12291	12076	11647	11060	10192	7951				
S2-30-605-B7	3/4	1160	0.86	29	7911	7479	7369	7257	7034	6795	6551	6210	5496	4497	3377	
S2-30-610-B10	1		1.17	30	9662	9293	9201	9103	8872	8640	8392	7976	7204	6248	5108	
S2-30-615-B15	1-1/2		1.72	31	12000	11565	11456	11348	11130	10890	10619	10200	9404	8327	6921	
S2-30-620-B20	2		2.29	33	13905	13434	13316	13198	12939	12665	12391	11954	11144	10136	8640	
S2-36-607-C7	3/4	860	0.82	27	9985	9347	9183	9012	8669	8255	7829	7039	5325	3679	2486	
S2-36-611-C10	1		1.11	30	12131	11529	11360	11187	10840	10449	10058	9289	7622	5532	3782	
S2-36-617-C15	1-1/2		1.61	31	15162	14491	14324	14153	13810	13442	12926	12117	10512	7704	5270	
S2-36-600-B10	1	1160	1.21	34	8200	7791	7656	7515	7224	6913	6617	6214	5478	4679	3902	
S2-36-605-B15	1-1/2		1.72	36	11977	11535	11424	11313	11077	10828	10580	10147	9384	8487	7337	5080
S2-36-609-B20	2		2.34	37	14957	14468	14345	14223	13976	13728	13480	13098	12411	11537	10483	7678
S2-36-614-B30	3		3.29	40	18400	17945	17832	17718	17490	17263	16965	16517	15787	15003	13722	10993
S2-42-602-C10	1	860	1.08	30	8673	7991	7811	7632	7254	6888	6531	5979	4937	3944	2850	
S2-42-608-C15	1-1/2		1.73	32	14642	14035	13883	13732	13396	13058	12692	12072	10980	9558	8035	4540
S2-42-612-C20	2		2.42	33	18363	17675	17503	17331	16966	16600	16233	15619	14477	13041	11303	6625
S2-42-617-C30	3		3.32	35	21840	21148	20975	20802	20440	20032	19624	18975	17694	16259	14629	8191
S2-42-627-C50	5		5.95	41	28811	27924	27702	27480	27037	26533	26023	25261	24002	22494	20376	13589
S2-48-407-C15	1-1/2	860	1.84	43	18124	17081	16823	16565	16049	15499	14820	13815	12067	9984	7536	
S2-48-410-C20	2		2.40	44	21801	20853	20616	20362	19848	19333	18699	17684	15807	13843	11719	
S2-48-415-C30	3		3.58	48	27004	26027	25783	25539	24915	24272	23638	22726	21025	19172	16924	
S2-48-422-C50	5		5.91	53	34332	33166	32874	32583	31944	31257	30570	29594	27990	25869	23518	
S2-54-410-C50	5	860	5.68	53	35642	34502	34217	33932	33364	32826	32287	31334	29690	27722	25548	20120
S2-54-416-C75	7-1/2		8.68	54	45612	44465	44179	43892	43319	42745	42051	40967	39103	37130	34973	30171

Performance certified is for installation type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels.

Model Number	Motor HP	Fan RPM	Max BHP	Sones @ Free Air	CFM / Static Pressure in Inches WG											
					0.00	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75
24 Performance																
SCR3-24-627-C4	1/4	860	0.29	16.7	4981	4664	4269	4007	3498							
SCR3-24-632-C3	1/3		0.35	16.9	5478	5153	4731	4391	3789							
SCR3-24-416-B4	1/4	1160	0.29	18.1	4521	4241	3949	3784	3619	3015	2232					
SCR3-24-420-B3	1/3		0.37	19.3	5200	4904	4597	4434	4271	3815	2837					
SCR3-24-623-B5	1/2		0.58	22	6093	5869	5627	5499	5371	5029	4529	3791				
SCR3-24-632-B7	3/4		0.86	27	7389	7148	6896	6739	6582	6207	5689					
SCR3-24-410-A5	1/2	1750	0.57	32	5233	5028	4828	4730	4632	4403	4167	3921	3364			
SCR3-24-414-A7	3/4		0.83	34	6297	6114	5930	5834	5738	5546	5331	5108	4625			
SCR3-24-418-A10	1		1.15	35	7332	7141	6949	6853	6752	6552	6348	6112	5758	4623		
SCR3-24-425-A15	1-1/2		1.67	38	8928	8701	8474	8364	8259	8050	7831	7581	7160	6055		
SCR3-24-626-A20	2		2.31	41	9935	9786	9636	9561	9486	9325	9155	8984	8707	8111	6996	
30 Performance																
SCR3-30-415-C4	1/4	860	0.29	16.6	6262	5732	5131	4718	4013							
SCR3-30-419-C3	1/3		0.38	17.2	7219	6523	5854	5466	4860							
SCR3-30-620-C5	1/2		0.56	18.8	8118	7694	7218	6953	6682	5738						
SCR3-30-629-C7	3/4		0.84	20	9694	9233	8450	7977	7404							
SCR3-30-412-B5	1/2	1160	0.58	24	7490	7051	6640	6429	6211	5688	4914					
SCR3-30-418-B7	3/4		0.88	27	9414	8921	8440	8206	7968	7466	6763	5490				
SCR3-30-423-B10	1		1.14	29	10658	10134	9606	9329	8999	8338	7672	6255				
SCR3-30-624-B15	1-1/2		1.74	33	12167	11796	11425	11239	11041	10647	10032	9244	8158			
SCR3-30-630-B20	2		2.18	35	13226	12911	12595	12375	11987	11233	10437	9304				
SCR3-30-407-A10	1	1750	1.21	47	8583	8290	7998	7882	7765	7533	7258	6770	6243			
SCR3-30-410-A15	1-1/2		1.63	46	10337	10022	9712	9571	9429	9146	8892	8652	8266	7375		
SCR3-30-413-A20	2		2.09	45	11779	11498	11216	11077	10943	10673	10403	10114	9643	8634		
SCR3-30-420-A30	3		3.34	53	15176	14806	14437	14258	14084	13737	13393	13070	12585	11691	10359	
SCR3-30-623-A50	5		5.5	63	17896	17658	17419	17300	17180	16942	16703	16454	16067	15380	14269	13199
36 Performance																
SCR3-36-412-C5	1/2	860	0.55	23	9047	8380	7589	7156	6726							
SCR3-36-419-C7	3/4		0.85	23	12243	11532	10734	10259	9750	8734						
SCR3-36-425-C10	1		1.15	27	14110	13544	12541	12029	11535	10271	8338					
SCR3-36-628-C15	1-1/2		1.74	31	16432	15855	15258	14814	14370	13429	12309					
SCR3-36-406-B7	3/4	1160	0.84	38	9490	8991	8415	8053	7676							
SCR3-36-410-B10	1		1.14	38	10863	10436	9964	9700	9412	8797	8226	7493				
SCR3-36-415-B15	1-1/2		1.71	38	14215	13624	13075	12814	12552	11874	11201	10530	9442			
SCR3-36-616-B20	2		2.2	44	15749	15311	14874	14666	14468	14071	13650	13183	12407			
SCR3-36-623-B30	3		3.44	49	19714	19293	18873	18658	18420	17943	17467	16951	16028	14204		
SCR3-36-630-B50	5		4.66	51	23117	22703	22290	22083	21876	21222	20473	19750	18648	16179		
42 Performance																
SCR3-42-415-C10	1	860	1.15	30	16078	14907	13968	13436	12804	11234						
SCR3-42-422-C15	1-1/2		1.77	35	18875	17758	16552	15875	15182	13699	11683					
SCR3-42-621-C20	2		2.28	36	21190	20336	19478	19048	18614	17612	16541	15213				
SCR3-42-630-C30	3		3.48	43	24181	23243	22221	21682	20821	18963	17704	16613				
SCR3-42-408-B15	1-1/2	1160	1.76	50	15026	14328	13600	13216	12824	11978	10952	9650	7136			
SCR3-42-412-B20	2		2.33	51	18959	18189	17432	17066	16700	15890	15029	14017	11855			
SCR3-42-418-B30	3		3.47	54	23445	22661	21885	21501	21117	20314	19400	18384	16497			
SCR3-42-621-B50	5		5.54	60	28583	27949	27315	26999	26680	26042	25405	24704	23590	21563		
SCR3-42-630-B75	7-1/2		8.55	73	32616	31921	31226	30878	30483	29683	28884	27018	25357	23149		
48 Performance																
SCR3-48-414-C15	1-1/2	860	1.69	40	22448	21297	19941	19200	18353	16384	14153					
SCR3-48-418-C20	2		2.27	42	25619	24430	23020	22243	21306	19279	16958	14401				
SCR3-48-620-C30	3		3.52	48	30092	29264	28435	27770	27003	25523	24096	22719	19594			
SCR3-48-629-C50	5		5.6	56	35190	33738	32249	31430	30610	28531	26291	24091	20049			
SCR3-48-403-B15	1-1/2	1160	1.6	56	14101	13313	12413	11885	11323	10099	8759					
SCR3-48-407-B20	2		2.31	69	20861	20047	19222	18773	18324	17285	16039	14683	12327			
SCR3-48-412-B30	3		3.57	69	28014	27172	26330	25844	25330	24303	23202	22039	19654	15119		
SCR3-48-418-B50	5		5.57	72	34556	33674	32792	32352	31787	30634	29386	27973	25647	21187		
SCR3-48-417-B75	7-1/2		8.95	69	37004	36466	35928	35659	35390	34852	34216	33475	32363	30250	27397	
SCR3-48-420-B100	10		11.14	75	41055	40543	40032	39776	39520	39008	38383	37504	36185	34026	31482	28124
54 Performance																
SCR3-54-409-C20	2	860	2.38	51	26479	25468	24556	24145	23734	22661	21344	19757	16344			
SCR3-54-410-C30	3		3.37	53	28003	26997	26093	25707	25320	24416	23141	21715	18977			
SCR3-54-417-C50	5		5.81	52	37090	35925	34761	34229	33715	32688	31591	30131	27681	21769		
SCR3-54-618-C75	7-1/2		8.46	61	41795	40904	40014	39569	39124	38309	37501	36693	35197	31916	25633	
SCR3-54-625-C100	10		11.7	68	50142	49192	48243	47768	47283	46066	44850	43285	40770	37198	33806	

Performance certified is for installation type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels.

Using The Performance Table

Shown below is a portion of a typical performance table used in this catalog. Performance data shown offers the best selections for each propeller type ("L" or "H") relative to sound, RPM and static pressure.

Consider "L" type propellers first for most applications.

Many sidewall applications can be met with the "L" type propeller. When using the performance tables, look first at the "L" selections, because they offer the lowest speed and sound levels.

Model Number	Motor HP	Fan RPM	Max BHP	*Sones	CFM / Static Pressure in Inches WG											
					0.00	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75	1.00
Level 1 Performance		Max RPM L - 1085 H - 1221			Max Motor Frame Size - 56								TS = RPM x 5.235			
SB-1L20-4	1/4	705	0.17	11.6	3606	2836	2451									
		810	0.25	13.3	4143	3510	3325	3084								
		861	0.30	14.3	4404	3795	3672	3455								
SB-1H20-4	1/4	773	0.17	11.1	2904	2453	2293	2112	1596	924	676	304				
		892	0.27	14.1	3351	2987	2873	2744	2436	2011	1409	886	348			
		953	0.30	16.2	3581	3247	3148	3034	2769	2469	2002	1160	657			
SB-1L20-3	1/3	889	0.33	14.9	4547	3950	3830	3655	3067							
		947	0.40	16.1	4844	4271	4156	4044	3648							
SB-1H20-3	1/3	998	0.37	16.7	3750	3436	3342	3244	3006	2727	2398	1588	873	393		
		1039	0.40	17.2	3904	3608	3517	3427	3212	2954	2676	2037	1064	603		
SB-1L20-5	1/2	1021	0.50	17.0	5222	4675	4566	4461	4181	3747						
		1085	0.60	17.9	5550	5021	4919	4817	4621	4269	3712					
SB-1H20-5	1/2	1107	0.50	18.0	4159	3885	3805	3720	3534	3315	3065	2599	1368	935	502	
		1221	0.60	20	4587	4339	4277	4203	4049	3873	3675	3333	2514	1456	1064	

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

"L" type low pressure propeller

"H" type high pressure propeller

Shows level of construction based on fan RPM & motor frame size. See Performance Charts.

Note that each max. BHP is cataloged at a 1.0 and 1.2 service factor. See page 13.

Optimum selection range for the "L" type propeller.

Optimum selection range for the "H" type propeller.

SB-20 Belt Drive - Fabricated Propeller

Model Number	Motor HP	Fan RPM	Max BHP	*Sones	CFM / Static Pressure in Inches WG											
					0.00	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75	1.00
Level 1 Performance		Max RPM L - 1085 H - 1221			Max Motor Frame Size - 56								TS = RPM x 5.235			
SB-1L20-4	1/4	705	0.17	11.6	3606	2836	2451									
		810	0.25	13.3	4143	3510	3325	3084								
		861	0.30	14.3	4404	3795	3672	3455								
SB-1H20-4	1/4	773	0.17	11.1	2904	2453	2293	2112	1596	924	676	304				
		892	0.27	14.1	3351	2987	2873	2744	2436	2011	1409	886	348			
		953	0.30	16.2	3581	3247	3148	3034	2769	2469	2002	1160	657			
SB-1L20-3	1/3	889	0.33	14.9	4547	3950	3830	3655	3067							
		947	0.40	16.1	4844	4271	4156	4044	3648							
SB-1H20-3	1/3	998	0.37	16.7	3750	3436	3342	3244	3006	2727	2398	1588	873	393		
		1039	0.40	17.2	3904	3608	3517	3427	3212	2954	2676	2037	1064	603		
SB-1L20-5	1/2	1021	0.50	17.0	5222	4675	4566	4461	4181	3747						
		1085	0.60	17.9	5550	5021	4919	4817	4621	4269	3712					
SB-1H20-5	1/2	1107	0.50	18.0	4159	3885	3805	3720	3534	3315	3065	2599	1368	935	502	
		1221	0.60	20	4587	4339	4277	4203	4049	3873	3675	3333	2514	1456	1064	
Level 2 Performance		Max RPM L - 1241 H - 1391			Max Motor Frame Size - 143T								TS = RPM x 5.235			
SB-2L20-5	1/2	1021	0.50	17.0	5222	4675	4566	4461	4181	3747						
		1085	0.60	17.9	5550	5021	4919	4817	4621	4269	3712					
SB-2H20-5	1/2	1107	0.50	18.0	4159	3885	3805	3720	3534	3315	3065	2599	1368	935	502	
		1221	0.60	20	4587	4339	4277	4203	4049	3873	3675	3333	2514	1456	1064	
SB-2L20-7	3/4	1168	0.75	20	5974	5466	5371	5275	5090	4861	4527					
		1241	0.90	22	6348	5853	5764	5674	5496	5325	5053	4479				
SB-2H20-7	3/4	1262	0.75	21	4742	4501	4441	4375	4226	4065	3883	3562	2849	1635	1255	495
		1391	0.90	25	5226	5008	4954	4899	4774	4639	4493	4244	3741	3005	1886	1138

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

Performance certified is for installation type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels. *Sones shown apply to the highest cataloged CFM in black type at each fan RPM. For selections at other CFM and static pressure points, refer to CAPS®, the Computer Aided Product Selection Program.

Model Number	Motor HP	Fan RPM	Max BHP	*Sones	CFM / Static Pressure in Inches WG											
					0.00	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75	1.00
Level 1 Performance		Max RPM L - 809 H - 1010			Max Motor Frame Size - 56								TS = RPM x 6.283			
SB-1L24-4	1/4	513	0.19	10.3	4818	3784										
		558	0.25	11.0	5241	4402	3971									
		593	0.30	11.8	5569	4803	4551	4050								
SB-1H24-4	1/4	674	0.17	10.2	3524	2894	2680	2416	1616	1155	821					
		785	0.30	13.3	4105	3618	3445	3267	2848	2105	1655	1133	444			
SB-1L24-3	1/3	614	0.33	12.4	5766	5040	4807	4396								
		653	0.40	12.8	6133	5466	5256	5037								
SB-1H24-3	1/3	829	0.33	14.8	4335	3877	3734	3568	3220	2595	2006	1445	769			
		877	0.36	16.1	4586	4157	4041	3887	3564	3179	2472	1845	1108	491		
SB-1L24-5	1/2	704	0.50	13.8	6612	6000	5831	5628	4992							
		748	0.60	14.8	7025	6455	6300	6128	5723	4939						
SB-1H24-5	1/2	961	0.55	18.5	5025	4641	4535	4428	4145	3846	3485	2574	1701	1103	540	
		1010	0.60	19.9	5281	4920	4819	4717	4471	4193	3902	3093	2108	1439	904	
SB-1L24-7	3/4	775	0.67	15.5	7279	6732	6582	6430	6061	5383						
		809	0.76	17.4	7598	7079	6935	6792	6454	5948	5237					
Level 2 Performance		Max RPM L - 986 H - 1148			Max Motor Frame Size - 145T								TS = RPM x 6.283			
SB-2L24-5	1/2	688	0.47	13.5	6461	5833	5652	5444	4730							
		704	0.50	13.8	6612	6000	5831	5628	4992							
		748	0.60	14.8	7025	6455	6300	6128	5723	4939						
SB-2H24-5	1/2	961	0.55	18.5	5025	4641	4535	4428	4145	3846	3485	2574	1701	1103	540	
		1010	0.60	19.9	5281	4920	4819	4717	4471	4193	3902	3093	2108	1439	904	
SB-2L24-7	3/4	805	0.75	17.1	7560	7038	6894	6750	6408	5882	5170					
		856	0.90	21	8039	7555	7419	7284	6989	6654	6011					
SB-2H24-7	3/4	1110	0.85	23	5804	5476	5392	5299	5115	4872	4619	4200	2975	2199	1601	626
		1148	0.90	25	6003	5685	5606	5518	5340	5122	4882	4502	3343	2510	1853	910
SB-2L24-10	1	886	1.00	23	8321	7856	7726	7595	7326	7003	6512					
		942	1.20	28	8847	8409	8294	8171	7925	7643	7340	6476				
SB-2L24-15	1-1/2	960	1.27	30	9016	8587	8476	8355	8114	7847	7549	6769				
		986	1.37	33	9260	8842	8738	8620	8385	8139	7849	7205				
Level 3 Performance		Max RPM L - 1127 H - 1485			Max Motor Frame Size - 145T								TS = RPM x 6.283			
SB-3L24-7	3/4	838	0.49	15.5	6598	6001	5836	5599	5047	4507						
		964	0.75	21	7590	7084	6945	6802	6429	5961	5459	4645				
		1024	0.90	24	8062	7592	7463	7329	7034	6634	6154	5492				
SB-3H24-7	3/4	1099	0.50	18.5	5732	5377	5281	5184	4983	4756	4514	4095	2979			
		1263	0.78	22	6588	6286	6203	6119	5952	5776	5593	5277	4680	3710	2590	
		1330	0.90	24	6937	6650	6576	6496	6337	6174	6007	5721	5195	4494	3495	
SB-3L24-10	1	1061	1.00	25	8354	7902	7778	7651	7392	7016	6588	5914				
		1127	1.20	27	8873	8454	8337	8220	7977	7686	7321	6668	5569			
SB-3H24-10	1	1392	1.00	25	7261	6987	6918	6842	6690	6538	6378	6124	5639	5071	4170	
		1485	1.28	28	7746	7489	7425	7358	7216	7073	6928	6704	6271	5793	5208	3470

Performance certified is for installation type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels. *Sones shown apply to the highest cataloged CFM in black type at each fan RPM. For selections at other CFM and static pressure points, refer to CAPS®, the Computer Aided Product Selection Program.

Model Number	Motor HP	Fan RPM	Max BHP	*Sones	CFM / Static Pressure in Inches WG											
					0.00	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75	1.00
Level 1 Performance		Max RPM L - 696 H - 882			Max Motor Frame Size - 56							TS = RPM x 7.854				
SB-1L30-4	1/4	390	0.16	9.5	6453											
		448	0.25	10.9	7413	5790										
		475	0.30	11.6	7860	6394	5880									
SB-1H30-4	1/4	503	0.17	9.4	5747	4619	4164									
		577	0.25	11.8	6593	5682	5389	5018								
		610	0.30	12.6	6970	6129	5860	5559	4743							
SB-1L30-3	1/3	491	0.33	12.1	8125	6742	6249									
		523	0.40	13.0	8654	7427	6970	6503								
SB-1H30-3	1/3	631	0.33	13.1	7210	6396	6156	5888	5163							
		675	0.41	14.1	7713	6950	6763	6515	5939	5160						
SB-1L30-5	1/2	564	0.50	14.3	9333	8261	7862	7436								
		598	0.60	15.5	9895	8898	8583	8185	7366							
SB-1H30-5	1/2	725	0.50	15.5	8284	7571	7398	7213	6746	6145						
		769	0.60	16.9	8787	8112	7949	7785	7376	6876	6248					
SB-1L30-7	3/4	645	0.75	17.2	10673	9766	9508	9190	8446	7562						
		685	0.9	18.7	11335	10496	10253	10009	9332	8622						
SB-1H30-7	3/4	827	0.75	19.1	9450	8819	8667	8515	8188	7779	7279	6326				
		882	0.90	22	10078	9484	9342	9199	8914	8560	8174	7424				
SB-1L30-10	1	696	0.94	19.2	11517	10696	10456	10217	9570	8874						
Level 2 Performance		Max RPM L - 950 H - 1221			Max Motor Frame Size - 184T							TS = RPM x 7.854				
SB-2L30-7	3/4	645	0.75	17.2	10673	9766	9508	9190	8446	7562						
		685	0.90	18.7	11335	10496	10253	10009	9332	8622						
SB-2H30-7	3/4	827	0.75	19.1	9450	8819	8667	8515	8188	7779	7279	6326				
		882	0.90	22	10078	9484	9342	9199	8914	8560	8174	7424				
SB-2L30-10	1	710	1.00	19.7	11748	10949	10714	10479	9872	9192	8383					
		754	1.20	21	12477	11736	11519	11298	10806	10175	9528					
SB-2H30-10	1	917	1.00	23	10478	9906	9768	9631	9357	9049	8680	8012				
		968	1.20	26	11061	10519	10385	10255	9996	9736	9403	8847	7570			
SB-2L30-15	1-1/2	812	1.50	24	13436	12749	12570	12364	11954	11426	10838	9893				
		864	1.81	27	14297	13650	13489	13309	12923	12522	11971	11132				
SB-2H30-15	1-1/2	1048	1.50	29	11975	11474	11349	11227	10987	10747	10507	10029	9071			
		1110	1.80	31	12683	12211	12092	11974	11747	11521	11294	10901	10090	9019		
SB-2L30-20	2	895	2.00	29	14810	14186	14030	13868	13496	13123	12633	11830				
		950	2.41	32	15720	15132	14985	14838	14503	14152	13790	13039	11760			
SB-2H30-20	2	1152	2.00	33	13163	12708	12594	12480	12259	12041	11823	11483	10749	9811		
		1221	2.40	36	13951	13522	13414	13307	13095	12889	12683	12374	11734	10955	9980	
Level 3 Performance		Max RPM L - 1100 H - 1432			Max Motor Frame Size - 184T							TS = RPM x 7.854				
SB-3L30-20	2	824	1.51	23	13052	12289	12098	11898	11483	11006	10403	9137				
		905	2.01	26	14335	13640	13467	13293	12924	12540	12102	11263	9366			
		961	2.40	29	15222	14568	14404	14241	13905	13549	13167	12519	10795			
SB-3H30-20	2	1076	1.53	30	11401	11026	10932	10833	10601	10369	10102	9652	8854	7967	6444	
		1182	2.04	35	12524	12182	12097	12012	11820	11609	11398	11026	10338	9590	8780	5817
		1260	2.46	38	13351	13030	12950	12870	12708	12510	12312	12015	11376	10705	9980	8065
SB-3L30-30	3	1036	3.01	35	16410	15803	15651	15500	15196	14874	14544	13993	12801	11093		
		1100	3.61	41	17423	16852	16709	16566	16281	15991	15680	15201	14241	12775	11254	
SB-3H30-30	3	1353	3.01	44	14336	14037	13963	13888	13739	13574	13390	13113	12580	11984	11343	9939
		1432	3.53	49	15173	14891	14820	14750	14609	14468	14297	14036	13586	13022	12446	11176

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Model Number	Motor HP	Fan RPM	Max BHP	*Sones	CFM / Static Pressure in Inches WG											
					0.00	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75	1.00
Level 1 Performance		Max RPM L - 551 H - 694			Max Motor Frame Size - 56								TS = RPM x 7.854			
SB-1L36-3	1/3	329	0.25	12.3	9491	6448										
		361	0.34	11.8	10415	7958	6849									
		384	0.41	11.8	11078	8915	8018	6662								
SB-1H36-3	1/3	410	0.25	10.0	9011	6831	6112									
		450	0.33	11.1	9890	7967	7391	6725								
		481	0.41	12.1	10572	8812	8290	7743								
SB-1L36-5	1/2	412	0.50	12.7	11886	9913	9250	8354								
		438	0.61	13.6	12636	10809	10290	9572								
SB-1H36-5	1/2	521	0.52	13.5	11451	9845	9398	8912	7811							
		556	0.63	14.9	12220	10729	10328	9891	8958							
SB-1L36-7	3/4	471	0.76	14.5	13588	11925	11442	10947	9408							
		500	0.90	15.3	14425	12890	12435	11981	10808	8915						
SB-1H36-7	3/4	591	0.75	16.4	12989	11605	11223	10844	9985	9016						
		628	0.91	18.2	13802	12520	12156	11800	11035	10205	9228					
SB-1L36-10	1	518	1.01	16.1	14944	13482	13044	12605	11569	10084						
		551	1.21	17.7	15896	14558	14146	13733	12908	11731	10007					
SB-1H36-10	1	651	1.01	18.8	14308	13083	12731	12386	11668	10880	9995					
		694	1.23	20	15253	14135	13798	13468	12824	12111	11358	9875				
Level 2 Performance		Max RPM L - 693 H - 870			Max Motor Frame Size - 184T								TS = RPM x 7.854			
SB-2L36-10	1	518	1.01	16.1	14944	13482	13044	12605	11569	10084						
		550	1.21	17.6	15867	14525	14113	13699	12873	11682	9934					
SB-2H36-10	1	651	1.01	18.8	14308	13083	12731	12386	11668	10880	9995					
		694	1.23	20	15253	14135	13798	13468	12824	12111	11358	9875				
SB-2L36-15	1-1/2	593	1.51	20	17108	15909	15527	15144	14377	13512	12329					
		631	1.81	22	18204	17113	16759	16400	15680	14959	14025	12176				
SB-2H36-15	1-1/2	744	1.50	23	16352	15358	15021	14714	14106	13486	12810	11706				
		792	1.80	27	17407	16519	16198	15894	15316	14753	14145	13170				
SB-2L36-20	2	653	2.01	24	18839	17784	17467	17120	16424	15728	14942	13287				
		693	2.41	27	19993	18999	18744	18416	17762	17106	16450	15154				
SB-2H36-20	2	821	2.02	30	18044	17217	16907	16601	16043	15496	14935	14011	12258			
		870	2.40	34	19121	18388	18096	17803	17259	16736	16223	15389	13871			
Level 3 Performance		Max RPM L - 819 H - 1321			Max Motor Frame Size - 184T								TS = RPM x 7.854			
SB-3L36-20	2	614	1.52	18.1	16901	15679	15294	14909	14075	13113	11866					
		675	2.02	20	18580	17464	17178	16828	16128	15335	14463	12727				
		716	2.41	22	19709	18646	18404	18098	17438	16759	15972	14576				
SB-3H36-20	2	833	1.52	26	15014	14373	14212	14041	13682	13275	12740	11908	10095			
		915	2.04	30	16492	15908	15762	15616	15299	14972	14598	13867	12585	10735	8063	
		967	2.40	33	17429	16877	16739	16600	16313	16003	15694	15059	13876	12427	10502	
SB-3L36-30	3	771	3.01	25	21223	20222	19997	19772	19169	18556	17898	16802	14296			
		819	3.60	28	22544	21590	21378	21166	20658	20081	19504	18511	16505			
SB-3H36-30	3	1046	3.00	38	18853	18342	18215	18087	17831	17554	17268	16833	15767	14646	13192	
		1106	3.60	40	19935	19452	19331	19210	18968	18721	18450	18044	17147	16121	15045	11743
SB-3H36-50	5	1241	5.01	52	22368	21937	21830	21722	21507	21291	21076	20715	20113	19273	18372	16280
		1321	6.00	59	23810	23405	23304	23203	23001	22799	22596	22277	21711	21077	20233	18473

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Model Number	Motor HP	Fan RPM	Max BHP	*Sones	CFM / Static Pressure in Inches WG											
					0.00	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75	1.00
Level 1 Performance		Max RPM L - 424 H - 533			Max Motor Frame Size - 145T							TS = RPM x 10.995				
SB-1L42-3	1/3	250	0.24	9.4	11651											
		275	0.33	10.3	12816	8583										
		294	0.40	11.1	13701	10026										
SB-1H42-3	1/3	314	0.25	9.4	10844	7332										
		345	0.33	11.1	11915	9126	7744									
		369	0.40	12.6	12744	10191	9283									
SB-1L42-5	1/2	316	0.50	12.0	14726	11363	10252									
		335	0.60	13.0	15612	12415	11671	10248								
SB-1H42-5	1/2	400	0.51	14.7	13814	11527	10841	9931								
		426	0.61	16.3	14712	12605	11980	11333								
SB-1L42-7	3/4	362	0.75	14.5	16870	13939	13189	12422								
		385	0.92	15.8	17942	15273	14451	13804	11298							
SB-1H42-7	3/4	460	0.78	18.5	15887	13987	13420	12834	11361							
		482	0.90	20	16646	14868	14327	13784	12592	10507						
SB-1L42-10	1	398	1.00	16.8	18548	16016	15189	14528	12837							
		424	1.21	18.8	19759	17478	16705	15953	14777							
SB-1H42-10	1	500	1.00	20	17268	15573	15060	14539	13448	11853						
		533	1.22	21	18408	16849	16388	15899	14900	13752	11887					
Level 2 Performance		Max RPM L - 723 H - 907			Max Motor Frame Size - 184T							TS = RPM x 10.995				
SB-2L42-10	1	398	1.00	16.8	18548	16016	15189	14528	12837							
		424	1.21	18.8	19759	17478	16705	15953	14777							
SB-2H42-10	1	500	1.00	21	17268	15573	15060	14539	13448	11853						
		533	1.22	22	18408	16849	16388	15899	14900	13752	11887					
SB-2L42-15	1-1/2	456	1.50	21	21251	19152	18532	17809	16577	15188						
		484	1.80	23	22555	20599	20064	19420	18117	17086	15458					
SB-2H42-15	1-1/2	577	1.53	24	19927	18529	18109	17678	16773	15831	14681					
		608	1.81	26	20998	19701	19302	18903	18053	17182	16275	14193				
SB-2L42-20	2	502	2.01	24	23394	21521	21006	20440	19128	18098	16824					
		532	2.40	27	24792	23046	22560	22074	20881	19757	18819	16579				
SB-2H42-20	2	630	2.00	28	21758	20527	20142	19757	18951	18122	17251	15564				
		673	2.41	31	23243	22131	21771	21411	20682	19906	19122	17893				
SB-2L42-30	3	575	3.01	32	26796	25212	24762	24312	23339	22193	21216	19836				
		611	3.65	31	28474	26984	26586	26162	25316	24279	23201	21952	18527			
SB-2H42-30	3	721	3.00	36	24900	23864	23572	23236	22564	21861	21137	20017	17604			
		766	3.61	40	26455	25479	25235	24931	24298	23664	22982	21961	20125	16908		
SB-2L42-50	5	681	5.08	36	31736	30400	30066	29712	28952	28192	27265	25814	23967	20093		
		723	6.00	39	33693	32435	32120	31805	31102	30386	29642	28275	26322	24165		
SB-2H42-50	5	853	4.99	48	29459	28583	28364	28145	27603	27035	26466	25556	24003	22312	19563	
		907	5.95	56	31324	30500	30294	30088	29630	29095	28561	27738	26299	24797	22915	
Level 3 Performance		Max RPM L - 762 H - 951			Max Motor Frame Size - 184T							TS = RPM x 10.995				
SB-3L42-30	3	527	1.99	18.3	22520	20843	20397	19944	18862	17664	16166					
		606	3.00	24	25896	24438	24073	23695	22908	21971	20980	19316				
		640	3.61	26	27349	25968	25623	25278	24537	23737	22813	21321	17720			
SB-3H42-30	3	657	1.99	24	19872	18805	18554	18303	17771	17180	16461	15333	13065			
		755	3.00	30	22836	21890	21671	21453	21016	20567	20053	19187	17554	15662		
		800	3.60	31	24197	23301	23090	22883	22471	22059	21605	20878	19377	17765	15725	
SB-3L42-50	5	714	5.02	30	30512	29274	28964	28655	28028	27360	26666	25424	23169	19687		
		762	6.01	33	32563	31403	31113	30823	30243	29634	29008	27942	25934	23434		
SB-3H42-50	5	893	5.01	37	27010	26207	26007	25816	25447	25078	24709	24107	22961	21608	20168	16141
		951	6.00	43	28764	28010	27822	27634	27286	26939	26592	26072	25063	23863	22589	19606

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Model Number	Motor HP	Fan RPM	Max BHP	*Sones	CFM / Static Pressure in Inches WG											
					0.00	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75	1.00
Level 1 Performance		Max RPM L - 355 H - 429			Max Motor Frame Size - 145T							TS = RPM x 12.566				
SB-1L48-5	1/2	231	0.31	8.6	14885											
		266	0.50	9.7	17140	12381										
		282	0.60	10.5	18171	14077	11902									
SB-1H48-5	1/2	278	0.33	9.6	14144	9240										
		320	0.50	11.3	16281	12822	11273	8844								
		341	0.61	12.3	17349	14214	13047	11371								
SB-1L48-7	3/4	305	0.76	11.8	19653	16196	14706	12401								
		324	0.91	13.0	20877	17700	16601	14948								
SB-1H48-7	3/4	368	0.76	13.6	18723	15953	15022	13860								
		393	0.93	15.5	19995	17450	16655	15783	13052							
SB-1L48-10	1	335	1.00	13.7	21586	18559	17626	16200								
		355	1.20	15.4	22875	20096	19220	18193	14778							
SB-1H48-10	1	408	1.04	16.4	20758	18314	17617	16777	14587							
		429	1.21	1.3	21827	19513	18907	18147	16322	13506						
Level 2 Performance		Max RPM L - 608 H - 734			Max Motor Frame Size - 184T							TS = RPM x 12.566				
SB-2L48-10	1	335	1.00	13.7	21586	18559	17626	16200								
		355	1.20	15.4	22875	20096	19220	18193	14778							
SB-2H48-10	1	408	1.04	16.4	20758	18314	17617	16777	14587							
		429	1.21	19.3	21827	19513	18907	18147	16322	13506						
SB-2L48-15	1-1/2	384	1.51	17.9	24744	22197	21482	20668	18419							
		407	1.80	18.9	26226	23841	23203	22474	20720	17923						
SB-2H48-15	1-1/2	462	1.51	21	23506	21374	20811	20248	18770	16860	13759					
		491	1.81	22	24981	22990	22460	21930	20671	19129	16981					
SB-2L48-20	2	422	2.00	19.6	27192	24904	24289	23637	22154	19746						
		448	2.40	21	28868	26733	26154	25575	24229	22469	19898					
SB-2H48-20	2	509	2.02	23	25897	23985	23474	22963	21831	20485	18700	14388				
		540	2.41	24	27474	25681	25206	24724	23761	22529	21119	18065				
SB-2L48-30	3	483	3.03	23	31123	29170	28633	28096	26963	25668	23839	19730				
		513	3.60	28	33056	31241	30735	30230	29218	28043	26799	23721				
SB-2H48-30	3	582	3.01	27	29611	27947	27527	27081	26187	25232	24055	21925				
		618	3.61	29	31442	29875	29484	29078	28236	27395	26391	24703	20285			
SB-2L48-50	5	572	5.02	33	36858	35237	34822	34368	33461	32554	31504	29811	24906			
		608	5.99	36	39177	37652	37271	36864	36010	35157	34288	32745	29209			
SB-2H48-50	5	688	4.99	34	35004	33596	33244	32893	32158	31402	30646	29317	26560	22373		
		734	6.05	39	37344	36025	35695	35365	34700	33991	33283	32220	29911	26937	22215	
Level 3 Performance		Max RPM L - 686 H - 862			Max Motor Frame Size - 215T							TS = RPM x 12.566				
SB-3L48-30	3	415	1.99	18.0	27276	24912	24215	23465	21703	19225						
		477	3.03	23	31351	29261	28772	28223	26914	25381	23672					
		506	3.61	25	33257	31277	30810	30350	29181	27830	26385	23228				
SB-3H48-30	3	519	1.98	24	23494	22018	21590	21159	20227	19128	18054	16079				
		597	3.01	30	27025	25742	25421	25066	24316	23547	22590	21178	18405			
		634	3.62	33	28700	27492	27190	26888	26184	25479	24681	23333	20969	17480		
SB-3L48-50	5	565	5.02	30	37135	35361	34918	34499	33657	32570	31377	29437	24082			
		600	6.02	33	39435	37765	37347	36934	36157	35241	34217	32427	28734			
SB-3H48-50	5	707	5.01	41	32004	30921	30650	30379	29816	29183	28550	27492	25489	23319	20320	
		754	6.01	44	34132	33116	32862	32608	32100	31530	30937	30047	28205	26350	24136	
SB-3L48-75	7-1/2	646	7.51	38	42459	40907	40520	40132	39389	38667	37749	36264	33435	28965		
		686	9.00	44	45088	43627	43262	42896	42175	41495	40773	39429	36866	33882		
SB-3H48-75	7-1/2	809	7.51	48	36622	35675	35438	35202	34728	34249	33696	32866	31331	29575	27852	22774
		862	9.01	54	39021	38132	37910	37688	37244	36800	36324	35546	34248	32623	30989	27270

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

Performance certified is for installation type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels. *Sones shown apply to the highest cataloged CFM in black type at each fan RPM. For selections at other CFM and static pressure points, refer to CAPS®, the Computer Aided Product Selection Program.

Model Number	Motor HP	Fan RPM	Max BHP	*Sones	CFM / Static Pressure in Inches WG											
					0.00	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75	1.00
Level 2 Performance		Max RPM L - 508 H - 562			Max Motor Frame Size - 184T							TS = RPM x 13.135				
SB-2L54-15	1-1/2	325	1.56	16.5	28548	25088	24008	22726	18692							
		343	1.81	17.3	30129	26851	26014	24825	21850							
SB-2H54-15	1-1/2	355	1.52	17.4	27149	24310	23414	22509	20237							
		377	1.82	19.0	28832	26243	25408	24557	22802	19924						
SB-2L54-20	2	356	2.00	18.0	31271	28113	27322	26297	23790							
		380	2.46	19.6	33379	30420	29680	28940	26821	23826						
SB-2H54-20	2	390	2.01	20	29826	27374	26567	25750	24103	21767						
		414	2.41	22	31662	29444	28684	27924	26374	24628	21971					
SB-2L54-30	3	408	3.07	22	35839	33083	32394	31704	30019	27876	24657					
		433	3.61	26	38035	35439	34789	34139	32810	30926	28749					
SB-2H54-30	3	446	3.01	26	34109	32145	31468	30762	29338	27897	26104					
		474	3.61	30	36250	34402	33873	33209	31882	30526	29170	26145				
SB-2L54-50	5	478	4.87	35	41988	39636	39048	38459	37283	36006	34299	31347				
		508	5.97	44	44623	42410	41857	41303	40196	39088	37699	35194	28363			
SB-2H54-50	5	528	4.99	35	40380	38721	38307	37854	36662	35469	34252	32427	27435			
		562	6.03	40	42980	41422	41032	40643	39618	38498	37370	35655	32079			
Level 3 Performance		Max RPM L - 619 H - 779			Max Motor Frame Size - 254T							TS = RPM x 13.135				
SB-3L54-30	3	339	1.97	20	29862	26277	25025	23452	19663							
		390	3.01	25	34354	31312	30531	29462	26898	24533	21251					
		415	3.61	27	36557	33708	32974	32162	30005	27535	24061					
SB-3H54-30	3	430	2.03	27	27612	25569	25157	24640	23580	22036	20032					
		491	3.00	33	31529	29634	29274	28913	28053	27125	25868	23501				
		526	3.62	38	33776	31946	31609	31272	30565	29698	28831	26933				
SB-3L54-50	5	463	5.01	40	40785	38252	37593	36935	35395	33426	31153	26792				
		492	6.02	44	43339	40968	40348	39728	38489	36778	34740	31783	26116			
SB-3H54-50	5	584	5.01	48	37501	35765	35447	35144	34537	33881	33101	31897	28836			
		618	6.02	52	39684	38044	37683	37396	36823	36250	35558	34451	32025	28547		
SB-3L54-75	7-1/2	530	7.51	46	46687	44501	43926	43351	42200	40903	39302	36323	30423			
		563	9.03	49	49594	47550	47008	46467	45384	44301	42910	40440	36084	30683		
SB-3H54-75	7-1/2	666	7.38	57	42766	41244	40864	40558	40026	39494	38962	37956	36129	33526		
		710	9.02	63	45591	44164	43807	43450	42943	42444	41945	41121	39515	37449	34796	
SB-3L54-100	10	584	10.04	51	51443	49482	48960	48438	47394	46350	45173	42994	38597	33058		
		619	12.00	56	54526	52685	52198	51706	50721	49736	48751	46840	42826	39077	33870	
SB-3H54-100	10	738	10.01	68	47389	46016	45673	45329	44791	44311	43831	43111	41571	39835	37550	
		779	12.00	75	50022	48721	48396	48070	47487	47032	46578	45895	44548	43085	41129	35732

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

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Model Number	Motor HP	Fan RPM	Max BHP	*Sones	CFM / Static Pressure in Inches WG											
					0.00	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75	1.00
Level 2 Performance		Max RPM L - 399 H - 521			Max Motor Frame Size - 215T							TS = RPM x 15.691				
SB-2L60-15	1-1/2	219	0.99	11.8	29223											
		252	1.52	14.9	33627	26297										
		267	1.80	16.7	35628	28888	26731									
SB-2H60-15	1-1/2	285	0.98	19.3	25029	21665	20507	19031								
		328	1.50	23	28805	25931	25163	24307	21827							
		348	1.81	25	30561	27858	27152	26428	24458	21479						
SB-2L60-20	2	277	2.01	17.9	36963	30532	28569									
		294	2.41	20	39231	33280	31524	29592								
SB-2H60-20	2	361	2.01	26	31703	29065	28432	27734	25998	23625						
		383	2.41	28	33635	31095	30577	29920	28558	26588	23870					
SB-2L60-30	3	317	3.02	23	42300	36880	35324	33661								
		337	3.63	25	44969	39902	38533	37026	33664							
SB-2H60-30	3	415	3.01	31	36445	34024	33548	33054	31839	30400	28519					
		438	3.60	34	38465	36115	35664	35214	34128	32978	31354	28368				
SB-2L60-50	5	375	5.00	28	50040	45536	44345	43137	40410	37274						
		399	6.02	31	53242	49009	47929	46800	44361	41676	38401					
SB-2H60-50	5	489	5.00	42	42944	40718	40314	39911	39104	38087	37057	34972	29773			
		521	6.01	47	45754	43590	43208	42830	42072	41233	40266	38708	34835			
Level 3 Performance		Max RPM L - 503 H - 659			Max Motor Frame Size - 256T							TS = RPM x 15.691				
SB-3L60-50	5	317	3.02	23	42300	36880	35324	33661								
		375	5.00	28	50040	45536	44345	43137	40410	37274						
		399	6.02	31	53242	49009	47929	46800	44361	41676	38401					
SB-3H60-50	5	415	3.01	31	36445	34024	33548	33054	31839	30400	28519					
		489	5.00	42	42944	40718	40314	39911	39104	38087	37057	34972	29773			
		521	6.01	47	45754	43590	43208	42830	42072	41233	40266	38708	34835			
SB-3L60-75	7-1/2	430	7.54	41	57379	53451	52469	51451	49333	46970	44412					
		457	9.05	56	60982	57286	56362	55438	53476	51359	49101	45184				
SB-3H60-75	7-1/2	559	7.51	51	49091	47075	46626	46274	45568	44862	44021	42669	39714	35627		
		595	9.00	56	52253	50358	49884	49518	48855	48192	47529	46261	43933	40629	35715	
SB-3L60-100	10	473	10.04	67	63117	59546	58653	57760	55891	53922	51775	48286				
		503	12.10	72	67120	63762	62923	62083	60374	58582	56644	53530				
SB-3H60-100	10	615	10.00	60	54009	52176	51718	51314	50673	50031	49389	48236	46188	43214	39510	
		659	12.00	70	57873	56163	55735	55307	54653	54054	53455	52537	50625	48395	45470	

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

SB-72 Belt Drive

Level 3 Performance		Max RPM L - 492 H - 559			Max Motor Frame Size - 256T							TS = RPM x 18.802				
SB-3L72-30	3	236	2.00	17.5	41661	36581	34402	32305								
		271	3.02	20	47840	43440	42315	40635	36937							
		288	3.61	22	50841	46713	45654	44576	40999							
SB-3H72-30	3	266	2.00	24	40185	35934	34790	33352	29513							
		306	3.01	28	46228	42491	41629	40634	38280	35026						
		324	3.61	30	48947	45342	44616	43707	41829	39122	35680					
SB-3L72-50	5	321	5.05	26	56667	52986	52036	51086	48805	45604	42580					
		341	6.01	29	60197	56743	55852	54958	53170	50373	47427					
SB-3H72-50	5	362	5.04	35	54688	51305	50655	50006	48405	46723	44302	39813				
		387	6.03	39	58465	55195	54588	53980	52646	51074	49325	45737				
SB-3L72-75	7-1/2	367	7.52	33	64787	61577	60768	59938	58276	56442	53627	49588				
		391	9.03	38	69024	66011	65258	64489	62930	61371	59275	55346				
SB-3H72-75	7-1/2	414	7.52	43	62543	59374	58806	58238	57102	55698	54228	51410	44663			
		442	9.01	50	66773	63726	63155	62623	61559	60428	59051	56986	51688			
SB-3L72-100	10	405	10.01	41	71495	68587	67859	67128	65622	64117	62514	58687				
		430	12.10	45	75909	73169	72484	71799	70395	68977	67559	64603	58769			
SB-3H72-100	10	456	10.02	51	68888	65934	65321	64806	63775	62743	61437	59435	54874	47671		
		486	12.00	57	73421	70649	69956	69464	68496	67529	66500	64622	60962	55889		
SB-3L72-150	15	463	15.10	52	81734	79190	78554	77918	76637	75320	74003	72027	66649	61379		
		492	18.00	57	86854	84459	83861	83262	82065	80838	79599	77740	73537	68410		
SB-3H72-150	15	522	15.00	64	78859	76279	75633	75025	74124	73223	72322	70752	67837	63842	58785	
		559	18.10	75	84449	82039	81436	80834	79872	79030	78189	76927	74244	71276	67313	

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SBC-24-30 Belt Drive
Cast Aluminum

GREENHECK
Building Value in Air.

Model Number	Motor HP	Fan RPM	Max BHP	*Sones	CFM / Static Pressure in Inches WG											
					0.00	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75	1.00
24 Performance		Max RPM L - 1194 H - 1396			Max Motor Frame Size - 145T									TS = RPM x 6.283		
SBC-3L24-3	1/3	707	0.25	11.7	4871	4203	3934	3666	3046							
		777	0.33	13.3	5353	4759	4578	4333	3826	3181						
		828	0.40	14.6	5704	5156	5000	4804	4346	3836						
SBC-3H24-3	1/3	829	0.25	13.1	4726	4160	4012	3859	3528	3131	2459	998				
		911	0.33	15.2	5193	4686	4549	4414	4128	3824	3457	1842	771			
		968	0.40	16.7	5518	5046	4917	4788	4531	4251	3945	3338	1239			
SBC-3L24-5	1/2	892	0.50	16.3	6145	5646	5503	5358	4955	4525	4034					
		948	0.60	18.0	6531	6070	5936	5800	5474	5073	4647	3825				
SBC-3H24-5	1/2	1043	0.50	18.7	5946	5515	5394	5274	5038	4790	4529	4086	1820	1066		
		1108	0.60	20	6317	5917	5803	5690	5466	5244	5001	4621	3734	1589	878	
SBC-3L24-7	3/4	1021	0.75	20	7034	6617	6493	6368	6116	5761	5390	4774				
		1085	0.90	21	7475	7092	6975	6858	6622	6349	5999	5463				
SBC-3H24-7	3/4	1194	0.75	22	6807	6438	6339	6233	6023	5817	5609	5268	4627	3509	1584	
		1268	0.90	23	7229	6881	6794	6696	6498	6301	6107	5800	5243	4536	2159	917
SBC-3L24-10	1	1124	1.00	22	7743	7380	7267	7154	6927	6698	6362	5856	4888			
		1194	1.20	24	8225	7892	7788	7682	7469	7253	7004	6527	5677			
SBC-3H24-10	1	1314	1.00	24	7491	7156	7072	6981	6790	6599	6412	6124	5603	4981	3940	1304
		1396	1.20	26	7958	7643	7564	7485	7306	7126	6948	6684	6208	5685	5051	1966
30 Performance		Max RPM L - 1262 H - 1616			Max Motor Frame Size - 184T									TS = RPM x 7.854		
SBC-3L30-5	1/2	569	0.33	13.0	7847	6270	5795	5113								
		654	0.50	15.2	9019	7723	7321	6931	5825							
		695	0.60	16.6	9585	8388	8025	7647	6798							
SBC-3H30-5	1/2	728	0.33	14.5	7043	6131	5893	5647	5111	4342	3084					
		837	0.50	17.6	8097	7305	7109	6902	6478	6018	5432	4155				
		890	0.60	19.1	8610	7863	7681	7492	7098	6696	6238	5288				
SBC-3L30-7	3/4	749	0.75	18.5	10329	9246	8927	8580	7894	6971						
		795	0.90	20	10964	9966	9665	9359	8700	7988	6979					
SBC-3H30-7	3/4	958	0.75	21	9268	8571	8402	8233	7875	7504	7125	6434	4568			
		1018	0.90	23	9848	9190	9031	8872	8544	8201	7850	7277	5927			
SBC-3L30-10	1	824	1.00	21	11364	10408	10126	9836	9204	8587	7726					
		875	1.20	23	12067	11169	10927	10653	10081	9486	8839	7440				
SBC-3H30-10	1	1055	1.00	24	10206	9569	9416	9263	8951	8623	8286	7759	6591	4668		
		1121	1.20	26	10845	10242	10098	9954	9665	9362	9051	8572	7667	6305		
SBC-3L30-15	1-1/2	943	1.50	25	13005	12173	11962	11727	11220	10666	10120	9119				
		1002	1.80	28	13818	13038	12839	12640	12168	11672	11148	10388				
SBC-3H30-15	1-1/2	1207	1.50	30	11677	11117	10980	10846	10578	10308	10022	9584	8814	7822	6497	
		1283	1.80	34	12412	11886	11754	11627	11375	11122	10863	10458	9762	8982	7921	
SBC-3L30-20	2	1038	2.00	29	14315	13562	13370	13178	12740	12277	11771	11028	9312			
		1103	2.40	32	15211	14504	14324	14143	13762	13329	12877	12162	10837			
SBC-3H30-20	2	1329	2.00	35	12857	12349	12222	12097	11853	11610	11366	10976	10309	9588	8680	5623
		1412	2.40	39	13660	13182	13062	12943	12712	12483	12254	11898	11279	10645	9926	7863
SBC-3L30-30	3	1188	3.00	36	16383	15727	15562	15394	15059	14678	14275	13631	12547	11117		
		1262	3.60	40	17404	16786	16632	16475	16159	15835	15456	14881	13842	12738	11164	
SBC-3H30-30	3	1521	3.00	43	14715	14271	14160	14049	13829	13617	13404	13085	12521	11939	11347	9800
		1616	3.60	47	15634	15216	15111	15007	14798	14596	14396	14096	13579	13041	12487	11270

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

Performance certified is for installation type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels. *Sones shown apply to the highest cataloged CFM in black type at each fan RPM. For selections at other CFM and static pressure points, refer to CAPS®, the Computer Aided Product Selection Program.

SBC-36-42 Belt Drive
Cast Aluminum

GREENHECK
Building Value in Air.

Model Number	Motor HP	Fan RPM	Max BHP	*Sones	CFM / Static Pressure in Inches WG											
					0.00	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75	1.00
36 Performance		Max RPM L - 1183 H - 1480			Max Motor Frame Size - 184T								TS = RPM x 9.424			
SBC-3L36-7	3/4	516	0.50	16.8	11939	9557	8829									
		593	0.75	19.4	13721	11814	11168	10528								
		630	0.90	21	14577	12834	12261	11645	10267							
SBC-3H36-7	3/4	644	0.50	16.4	11014	9546	9133	8714	7772	6388						
		740	0.75	19.3	12655	11375	11058	10720	9987	9269	8128	5237				
		786	0.90	21	13442	12239	11937	11639	10951	10296	9439	7708				
SBC-3L36-10	1	652	1.00	22	15086	13432	12900	12305	11146							
		693	1.20	24	16034	14528	14037	13515	12409							
SBC-3H36-10	1	814	1.00	21	13921	12764	12467	12179	11539	10887	10251	8712				
		865	1.20	24	14793	13713	13424	13152	12595	11952	11363	10148	6816			
SBC-3L36-15	1-1/2	747	1.50	26	17284	15904	15505	15043	14034	13022						
		793	1.80	28	18348	17064	16709	16301	15395	14424	13478					
SBC-3H36-15	1-1/2	932	1.50	27	15939	14947	14679	14413	13910	13358	12764	11955	9834			
		991	1.81	29	16948	16024	15773	15521	15038	14565	14009	13209	11486	8916		
SBC-3L36-20	2	822	2.01	29	19019	17789	17447	17085	16238	15296	14379					
		873	2.41	32	20199	19058	18736	18414	17658	16812	15930	14506				
SBC-3H36-20	2	1026	2.00	31	17547	16654	16418	16174	15701	15243	14737	13939	12515	10428		
		1090	2.41	35	18641	17801	17589	17360	16902	16471	16041	15285	14101	12341	9976	
SBC-3L36-30	3	939	3.00	35	21726	20687	20387	20088	19454	18719	17906	16689				
		998	3.61	39	23092	22127	21851	21569	21006	20343	19635	18470	16315			
SBC-3H36-30	3	1174	3.00	39	20078	19297	19102	18902	18477	18060	17661	17032	15873	14769	12962	
		1248	3.60	43	21343	20609	20426	20242	19850	19449	19067	18503	17426	16390	15077	10981
SBC-3L36-50	5	1113	5.01	47	25752	24888	24672	24424	23919	23413	22823	21871	20143	18120		
		1183	6.01	51	27372	26559	26355	26145	25670	25194	24713	23837	22246	20647		
SBC-3H36-50	5	1392	5.00	51	23806	23148	22983	22819	22490	22132	21773	21255	20412	19413	18480	15976
		1480	6.01	58	25311	24692	24537	24382	24073	23751	23413	22909	22117	21253	20313	18538
42 Performance		Max RPM L - 916 H - 1259			Max Motor Frame Size - 184T								TS = RPM x 10.995			
SBC-3L42-10	1	459	0.76	15.0	15668	12712	11573									
		504	1.00	17.1	17205	14534	13822	12742								
		536	1.20	18.1	18297	15764	15173	14440								
SBC-3H42-10	1	630	0.75	23	14710	13176	12736	12261	11152	9826	8273					
		692	1.00	25	16158	14789	14403	14003	13096	12041	10833	8546				
		736	1.20	27	17185	15919	15558	15190	14411	13492	12420	10692				
SBC-3L42-15	1-1/2	577	1.50	19.7	19696	17316	16771	16196	14444							
		613	1.80	21	20925	18692	18147	17635	16364	14566						
SBC-3H42-15	1-1/2	793	1.50	29	18516	17367	17032	16698	16004	15223	14370	12822	9458			
		842	1.80	31	19660	18600	18285	17970	17329	16671	15872	14556	11992			
SBC-3L42-20	2	635	2.00	23	21676	19551	18980	18485	17376	15648						
		675	2.40	25	23042	21097	20492	20012	19068	17750	16130					
SBC-3H42-20	2	872	2.00	33	20361	19351	19047	18743	18130	17495	16775	15590	13189	9576		
		927	2.40	36	21645	20721	20435	20149	19576	18987	18390	17308	15214	12754		
SBC-3L42-30	3	727	3.00	29	24817	23036	22520	21969	21104	20153	18783					
		773	3.61	31	26387	24729	24278	23762	22864	22051	21080	18935				
SBC-3H42-30	3	998	3.00	40	23303	22459	22211	21945	21414	20882	20328	19443	17697	15606	13168	
		1061	3.61	44	24774	23980	23776	23526	23026	22526	22019	21236	19699	17881	15890	
SBC-3L42-50	5	862	5.01	37	29425	27971	27566	27161	26242	25478	24749	23472	20356			
		916	6.01	42	31269	29920	29539	29158	28347	27517	26831	25762	23038			
SBC-3H42-50	5	1184	5.01	51	27645	26934	26756	26579	26135	25687	25239	24559	23384	21956	20349	16653
		1259	6.01	57	29397	28728	28561	28393	28011	27590	27168	26536	25446	24224	22881	19615

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

Performance certified is for installation type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels. *Sones shown apply to the highest cataloged CFM in black type at each fan RPM. For selections at other CFM and static pressure points, refer to CAPS®, the Computer Aided Product Selection Program.

SBC-48-54 Belt Drive
Cast Aluminum

GREENHECK
Building Value in Air.

Model Number	Motor HP	Fan RPM	Max BHP	*Sones	CFM / Static Pressure in Inches WG											
					0.00	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75	1.00
48 Performance		Max RPM L - 908 H - 1182			Max Motor Frame Size - 215T							TS = RPM x 12.566				
SBC-3L48-15	1-1/2	435	0.99	18.5	21897	17413	15801									
		500	1.51	23	25169	21295	20354	19165								
		531	1.80	24	26730	23117	22183	21212								
SBC-3H48-15	1-1/2	566	0.99	23	21010	18533	17717	17010	15233	13144	9229					
		650	1.50	28	24128	21973	21464	20750	19481	17983	16242	12200				
		691	1.80	31	25650	23608	23130	22600	21313	20083	18535	15959				
SBC-3L48-20	2	550	2.00	25	27686	24227	23288	22434								
		585	2.41	27	29448	26249	25335	24494	22640							
SBC-3H48-20	2	716	2.01	33	26578	24598	24136	23675	22413	21279	19918	17513				
		761	2.41	35	28249	26368	25935	25501	24434	23316	22195	20084	15370			
SBC-3L48-30	3	630	3.01	30	31713	28809	27962	27113	25587	23623						
		669	3.61	32	33676	30972	30203	29404	27904	26301						
SBC-3H48-30	3	819	3.00	39	30402	28632	28231	27827	27020	25867	24889	23274	19744	13540		
		871	3.61	43	32332	30648	30270	29892	29133	28230	27191	25779	22761	19268		
SBC-3L48-50	5	746	5.00	38	37552	35186	34519	33835	32401	31082	29675					
		793	6.01	41	39918	37729	37102	36474	35144	33810	32626	30464				
SBC-3H48-50	5	971	5.00	53	36044	34496	34157	33818	33140	32459	31682	30277	28102	25291	22178	
		1032	6.00	59	38308	36841	36509	36191	35553	34913	34272	33002	30995	28669	25923	16703
SBC-3L48-75	7-1/2	854	7.50	45	42989	41003	40421	39838	38648	37395	36190	34476				
		908	9.02	50	45707	43860	43334	42786	41690	40528	39350	37736	34664			
SBC-3H48-75	7-1/2	1112	7.51	67	41278	39917	39577	39282	38690	38098	37504	36601	34556	32687	30384	25026
		1182	9.01	75	43876	42596	42275	41971	41415	40859	40300	39461	37668	35918	34068	29382
54 Performance		Max RPM L - 727 H - 856			Max Motor Frame Size - 254T							TS = RPM x 14.135				
SBC-3L54-20	2	364	1.51	18.0	25482	21713	20664	19377								
		400	2.01	20	28002	24618	23706	22752	19950							
		425	2.41	22	29752	26685	25741	24882	22822							
SBC-3H54-20	2	429	1.51	21	25150	22604	21870	21035	19310	17043	13521					
		471	2.00	23	27612	25349	24701	24032	22511	20907	18781					
		501	2.41	26	29370	27282	26674	26066	24696	23254	21708	18049				
SBC-3L54-30	3	458	3.01	25	32062	29480	28382	27585	25914	23719						
		487	3.62	28	34092	31897	30843	29919	28420	26637	24050					
SBC-3H54-30	3	539	3.00	29	31598	29657	29143	28577	27407	26078	24712	22298				
		573	3.61	31	33591	31765	31309	30796	29731	28536	27286	25299	20153			
SBC-3L54-50	5	543	5.02	33	38013	36203	35539	34594	32996	31652	30072	26691				
		577	6.02	38	40393	38690	38264	37449	35716	34451	33186	30778				
SBC-3H54-50	5	639	5.00	37	37461	35823	35414	35004	34086	33131	32068	30386	27398	22327		
		680	6.02	41	39864	38325	37941	37556	36748	35851	34954	33382	30664	27125	21725	
SBC-3L54-75	7-1/2	621	7.51	44	43473	41891	41495	41090	39437	38008	36833	34916	30021			
		660	9.01	49	46203	44715	44342	43970	42720	41165	40006	38347	34940			
SBC-3H54-75	7-1/2	732	7.52	47	42913	41483	41126	40768	40054	39254	38421	37100	34654	32044	28344	
		778	9.03	53	45609	44264	43928	43592	42919	42229	41445	40269	38025	35671	33163	23604
SBC-3L54-100	10	684	10.03	53	47883	46447	46088	45729	44718	43217	41935	40334	37224	30947		
		727	12.00	61	50894	49542	49204	48866	48191	46850	45438	43846	41235	37872		
SBC-3H54-100	10	805	10.02	55	47192	45892	45567	45242	44592	43942	43205	42068	39973	37748	35353	27829
		856	12.03	61	50182	48959	48654	48348	47737	47126	46501	45432	43599	41507	39367	33873

CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.

Performance certified is for installation type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels. *Sones shown apply to the highest cataloged CFM in black type at each fan RPM. For selections at other CFM and static pressure points, refer to CAPS®, the Computer Aided Product Selection Program.

SBC-60-72 Belt Drive
Cast Aluminum

GREENHECK
Building Value in Air.

Model Number	Motor HP	Fan RPM	Max BHP	*Sones	CFM / Static Pressure in Inches WG											
					0.00	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75	1.00
60 Performance		Max RPM L - 620 H - 775			Max Motor Frame Size - 254T							TS = RPM x 15.691				
SBC-3L60-20	2	310	1.51	16.6	30908	25347	22293	19082								
		341	2.01	19.4	33999	29312	27467	24664								
		363	2.42	22	36192	31785	30693	28420	23150							
SBC-3H60-20	2	389	1.52	21	29943	25920	24798	23553	20680	15870						
		427	2.01	24	32868	29286	28268	27248	24967	22058	17552					
		453	2.40	27	34870	31476	30591	29632	27574	25189	22147					
SBC-3L60-30	3	390	3.00	25	38884	34776	33760	32638	27839							
		415	3.62	28	41377	37510	36555	35601	32117	27497						
SBC-3H60-30	3	488	3.00	30	37564	34371	33650	32779	30979	28994	26657	21643				
		519	3.61	32	39950	36909	36232	35520	33845	32059	30140	26478				
SBC-3L60-50	5	463	5.02	32	46162	42688	41830	40975	39264	35742	31582					
		492	6.02	36	49054	45784	44971	44165	42555	40364	36566	30638				
SBC-3H60-50	5	579	5.01	38	44569	41770	41163	40556	39227	37725	36138	33558	27786			
		615	6.01	42	47340	44661	44089	43517	42374	40977	39563	37234	32691	25081		
SBC-3L60-75	7-1/2	530	7.53	41	52842	49807	49049	48296	46801	45306	42821	37434				
		563	9.03	46	56133	53276	52561	51847	50438	49031	47623	43088	34085			
SBC-3H60-75	7-1/2	663	7.53	48	51034	48490	47960	47430	46369	45239	43927	41918	38131	33224		
		704	9.01	54	54190	51775	51244	50745	49746	48747	47588	45736	42385	38434	33206	
SBC-3L60-100	10	583	10.02	50	58127	55368	54678	53988	52623	51264	49905	46376	38202			
		620	12.10	56	61816	59221	58573	57924	56632	55354	54076	52119	44587			
SBC-3H60-100	10	729	10.01	57	56115	53782	53238	52756	51791	50827	49796	48006	44851	41263	36767	
		775	12.02	63	59656	57462	56913	56439	55532	54624	53717	52131	49309	46183	42537	31181
72 Performance		Max RPM L - 578 H - 795			Max Motor Frame Size - 256T							TS = RPM x 18.802				
SBC-3L72-30	3	278	2.00	19.3	41857	28605	23878	19635								
		319	3.03	24	48030	37936	33936	29771								
		338	3.60	27	50891	41519	38276	34437	26696							
SBC-3H72-30	3	381	1.99	28	40824	35815	34566	33074	29443	24659						
		438	3.02	34	46931	42584	41485	40398	37929	34824	31069	23783				
		465	3.61	37	49824	45755	44693	43669	41527	39012	35800	29847				
SBC-3L72-50	5	378	5.04	33	56913	48882	46438	43660	36768	29874						
		401	6.01	37	60376	53221	50620	48457	42331	35746	29279					
SBC-3H72-50	5	519	5.02	46	55610	52015	51052	50092	48258	46311	44091	39883	30522			
		551	6.00	52	59039	55683	54777	53870	52112	50384	48405	44927	37456			
SBC-3L72-75	7-1/2	432	7.52	41	65043	58947	56432	54138	49416	43402	37327					
		459	9.02	45	69109	63324	61492	59114	55204	49816	44056	35555				
SBC-3H72-75	7-1/2	594	7.56	58	63646	60574	59733	58892	57219	55616	54013	51160	45205	37157		
		631	9.01	65	67611	64754	63963	63171	61587	60049	58540	56106	51062	44626	36346	
SBC-3L72-100	10	476	10.06	48	71668	66060	64634	62341	58348	53680	48216	39954				
		505	12.01	54	76035	70697	69477	67767	63628	60117	55073	47224				
SBC-3H72-100	10	653	10.00	69	69968	67229	66464	65699	64169	62660	61202	59001	54465	48597	41207	
		694	12.00	77	74361	71806	71103	70384	68944	67504	66111	64053	60168	55291	49391	
SBC-3L72-150	15	544	15.01	63	81907	76884	75751	74618	70920	67400	63833	56750	44689			
		578	18.00	72	87026	82239	81173	80107	77299	73547	70545	64621	53266	42050		
SBC-3H72-150	15	748	15.01	90	80147	77777	77176	76508	75172	73836	72500	70580	67340	63488	58637	46264
		795	18.04	104	85183	82953	82395	81804	80547	79290	78033	76179	73186	69826	65974	55871

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Model Number	Motor HP	Fan RPM	Max BHP	Sones	CFM / Static Pressure in Inches WG											
					0.00	0.05	0.10	0.125	0.15	0.20	0.25	0.30	0.375	0.50	0.625	0.75
24 Performance	Max RPM = 1623				Max Motor Frame Size = 145T								TS = RPM x 6.283			
SBCR-24-4	1/4	841	0.24	14.2	4792	4447	4061	3827	3413							
SBCR-24-4		893	0.28	15.0	5088	4766	4411	4216	3961							
SBCR-24-3	1/3	983	0.39	16.6	5601	5312	5001	4829	4651	4127						
SBCR-24-5	1/2	1126	0.59	19.4	6416	6165	5898	5763	5618	5308	4892	3875				
SBCR-24-7	3/4	1288	0.89	23	7339	7119	6893	6774	6656	6406	6135	5807	4756			
SBCR-24-10	1	1418	1.13	27	8080	7880	7680	7572	7465	7249	7015	6769	6313			
SBCR-24-15	1-1/2	1623	1.77	35	9248	9074	8899	8812	8719	8531	8343	8148	7825	7171	5560	
30 Performance	Max RPM = 1506				Max Motor Frame Size = 184T								TS = RPM x 7.854			
SBCR-30-3	1/3	681	0.33	15.2	7420	6809	6030	5422								
SBCR-30-3		724	0.40	16.1	7889	7323	6622	6141	5545							
SBCR-30-5	1/2	829	0.60	18.8	9033	8553	8000	7667	7305	6276						
SBCR-30-7	3/4	949	0.90	23	10341	9921	9461	9217	8944	8304	7416					
SBCR-30-10	1	1045	1.20	27	11387	11006	10606	10385	10163	9650	9027	8221				
SBCR-30-15	1-1/2	1196	1.78	32	13032	12699	12367	12185	11992	11604	11160	10680	9682			
SBCR-30-20	2	1316	2.39	37	14339	14037	13735	13584	13417	13065	12713	12303	11634	10018		
SBCR-30-30	3	1506	3.58	47	16410	16146	15881	15749	15617	15332	15025	14717	14215	13217	11824	
36 Performance	Max RPM = 1420				Max Motor Frame Size = 184T								TS = RPM x 9.424			
SBCR-36-5	1/2	620	0.49	16.7	10384	9580	8639	8115	7177							
SBCR-36-5		659	0.57	18.1	11037	10299	9409	8967	8440							
SBCR-36-7	3/4	755	0.85	22	12645	12019	11258	10874	10495	9613						
SBCR-36-10	1	830	1.13	26	13901	13332	12675	12316	11969	11265	10429					
SBCR-36-15	1-1/2	951	1.79	30	15927	15431	14915	14602	14289	13677	13074	12361	10104			
SBCR-36-20	2	1046	2.26	35	17519	17067	16615	16359	16074	15505	14955	14407	13436			
SBCR-36-30	3	1198	3.40	44	20064	19670	19276	19079	18875	18378	17881	17396	16678	15294		
SBCR-36-50	5	1420	5.75	64	23782	23450	23117	22951	22784	22452	22043	21624	20995	19985	18886	17393
42 Performance	Max RPM = 1212				Max Motor Frame Size = 215T								TS = RPM x 10.995			
SBCR-42-5	1/2	530	0.50	17.2	12939	11634	9951	8604								
SBCR-42-5		563	0.60	18.6	13744	12530	11087	10017								
SBCR-42-7	3/4	644	0.90	23	15722	14691	13502	12884	12009							
SBCR-42-10	1	709	1.19	26	17308	16398	15341	14780	14218	12542						
SBCR-42-15	1-1/2	812	1.80	32	19823	19030	18145	17684	17200	16213	14810	12626				
SBCR-42-20	2	893	2.46	37	21800	21079	20306	19887	19467	18585	17625	16359	12952			
SBCR-42-30	3	1023	3.59	48	24974	24344	23715	23354	22988	22255	21484	20706	19154			
SBCR-42-50	5	1212	5.96	67	29588	29056	28525	28259	27983	27365	26747	26122	25137	23184	20457	
48 Performance	Max RPM = 1166				Max Motor Frame Size = 215T								TS = RPM x 12.566			
SBCR-48-7	3/4	509	0.74	21	18042	16152	13446	11755								
SBCR-48-7		541	0.89	22	19176	17432	15068	13528	11927							
SBCR-48-10	1	596	1.23	26	21126	19601	17641	16402	15002	11943						
SBCR-48-15	1-1/2	682	1.82	32	24174	22893	21309	20403	19418	16986	14441					
SBCR-48-20	2	750	2.42	37	26584	25419	24052	23305	22476	20552	18308	15990				
SBCR-48-30	3	859	3.58	45	30448	29431	28350	27706	27062	25649	24004	22085	19067			
SBCR-48-50	5	1018	5.97	62	36083	35225	34367	33934	33390	32303	31152	29930	27688	23511		
SBCR-48-75	7-1/2	1166	9.20	83	41329	40580	39831	39457	39082	38184	37235	36278	34678	31491	27851	24113
54 Performance	Max RPM = 920				Max Motor Frame Size = 254T								TS = RPM x 14.135			
SBCR-54-15	1-1/2	460	1.43	22	23743	22064	20143	18932	17613							
SBCR-54-15		489	1.78	24	25240	23683	21901	20962	19670	17383						
SBCR-54-20	2	538	2.38	27	27769	26390	24802	23961	23108	20807	18809					
SBCR-54-30	3	616	3.51	34	31795	30593	29260	28567	27848	26350	24285	22504				
SBCR-54-50	5	730	5.72	44	37679	36665	35622	35037	34451	33270	32012	30560	28033			
SBCR-54-75	7-1/2	836	8.97	56	43151	42265	41379	40921	40409	39387	38365	37273	35559	31893	27638	
SBCR-54-100	10	920	11.90	69	47486	46681	45876	45474	45058	44129	43200	42271	40785	37864	34642	31024
60 Performance	Max RPM = 811				Max Motor Frame Size = 256T								TS = RPM x 15.691			
SBCR-60-20	2	446	1.97	25	29819	27584	25099	23718	22220	18365						
SBCR-60-20		474	2.39	27	31691	29584	27337	26059	24741	21272						
SBCR-60-30	3	543	3.56	34	36304	34455	32649	31594	30479	28197	25170	22150				
SBCR-60-50	5	644	5.98	44	43057	41498	39960	39199	38438	36561	34662	32715	28612			
SBCR-60-75	7-1/2	737	8.96	56	49275	47912	46554	45889	45224	43877	42233	40590	38048	32357		
SBCR-60-100	10	811	11.90	69	54222	52984	51746	51134	50530	49321	48049	46555	44314	40222	34832	
72 Performance	Max RPM = 771				Max Motor Frame Size = 256T								TS = RPM x 18.802			
SBCR-72-20	2	371	2.00	26	38286	34158	29734	27617	25593							
SBCR-72-20		394	2.55	28	40659	36985	32714	30490	28675	24224						
SBCR-72-30	3	451	3.75	35	46542	43988	39709	37916	35972	32605	28738					
SBCR-72-50	5	535	6.32	47	55210	53296	49520	48026	46562	43398	40355	37687	31512			
SBCR-72-75	7-1/2	612	9.23	59	63156	61483	59068	57107	55633	53073	50315	47451	43930	33516		
SBCR-72-100	10	674	12.00	71	69554	68035	66516	64788	63007	60429	58104	55580	51763	46218		
SBCR-72-150	15	771	19.00	94	79564	78236	76908	76244	74957	71843	69602	67569	64378	58868	54239	48179

Performance certified is for installation type A: free inlet, free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values are for installation type A: free inlet hemispherical sone levels.

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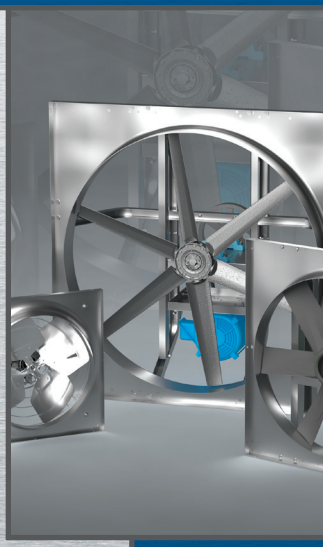

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