

Sidewall Propeller Fans

Belt and Direct Drive

Exhaust, Supply and Reversible



 **GREENHECK**
Building Value in Air.

October
2015

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

Typical Installations

- Factories
- Warehouses

Sidewall Propeller Benefits

- 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



Greenheck Fan Corporation certifies that the SB, SBC, S1, S2 and SC3 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.



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

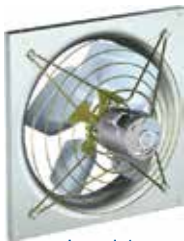
Model Comparison	3	Belt Drive Dimensional Data	21
Direct Drive Construction & Material Data	4	Vari-Green® Options	22-23
Belt Drive Construction & Material Data	5	Model Number Code	24
Accessories and Options	6-7	Direct Drive Level 1	25
Mounting Options	8-12	Direct Drive Level 2	26
Basics of Fan Selection	13	Direct Drive Level 3	27
Sidewall Mounting Options	11-15	Direct Drive Level 3 Reversible	28
Dimensions for Sidewall Propeller	16-17	Belt Drive	29-41
Dampers	18-19	Specifications	42-43
Direct Drive Dimensional Data	20	Direct Drive Specifications	40

Model Comparison																											
Models S, SC, 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 762)	Smoke Control (UL)	High Wind (150 mph)	High Temp (above 200°F)	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, SR - 1	8 - 24	✓	✓		✓	✓		✓	✓			✓	✓	○						✓	✓				
SE, SS, SR - 2	16 - 54	✓	✓		✓	✓		✓	✓			✓	✓							✓		✓				45,600	1
SCE, SCS, SCR - 3	24 - 54	✓	✓		✓	✓		✓	✓	✓		✓	✓							✓				✓		51,000	1
SBE, SBS, SBR - 1	20 - 54	✓	✓		✓	✓		✓	✓			✓	✓						✓		✓					30,000	0.75
SBE, SBS, SBR - 2	20 - 60	✓	✓		✓	✓		✓	✓			✓	✓						✓			✓				53,000	1
SBE, SBS, SBR - 3	24 - 72	✓	✓		✓	✓		✓	✓			✓	✓						✓				✓			86,900	1
SBCE, SBSC, SBSCR	24 - 72	✓	✓		✓	✓		✓	✓	✓		✓	✓	○					✓				✓	✓		87,000	1

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

Direct Drive Fan Selection

Three propeller and drive frame combination levels are available with either a 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, SS2, SCE3 and SCS3 are designed and constructed for applications with higher volumes and static pressures.



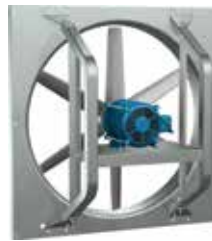
Level 1
Sizes 8 to 10



Level 1
Sizes 12 to 24



Level 2



Level 3

Belt Drive Fan Selection

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





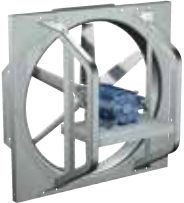
- Swept, steeply pitched blade design.
- Propellers typically run at lower RPMs and generate low sound levels.
- The best selection for sound critical applications or applications that require the best combination of both air and sound performance.
- Typically used when the static pressure is 0.5 in. 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 24 for motor speed chart)	12 - 24: A, B & C motor speeds (see page 24 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.)	Models	
Fan Size	Fan Panel	Drive Frame	Prop Hub	Prop Blade			Model S1 Sizes 8 to 12	Model S1 Sizes 12 to 24
Level 1, Models: S1								
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, Models: 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		
Level 3, Models: SC3							Model SC3	
20	16	12	Cast Aluminum Prop	Cast Aluminum Prop	145T	55		
24	18	12			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		
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.

Belt Drive

Construction and Material Data

	Level 1	Level 2	Level 3 and Reversible	
Model Sizes	20 - 54	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								Shaft Size	Max Motor Frame Size	Approx. Weight (lbs.)	Models	
Fan Size	Fan Panel	Drive Frame	Propeller									
			Hub		Blade							
L	H	L	H	L	H							
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				
54	14	12	12	10	14	1	145T	205				
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	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 - Rainproof
- NEMA-4 - Watertight
- NEMA-3R & NEMA-4 - Heavy Duty
- NEMA-7 & 9 - for Class 1 and Class 2 hazardous locations.



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 pigtails allow direct hook-up to the power supply which eliminates field wiring at 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 will reduce the back pressure and brake horsepower load on the fan motor at startup. (Field supplied motor starter with a relay is required to complete the wiring on a system using an end switch.)

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.

One-Point Wiring

Available when the following items are selected:

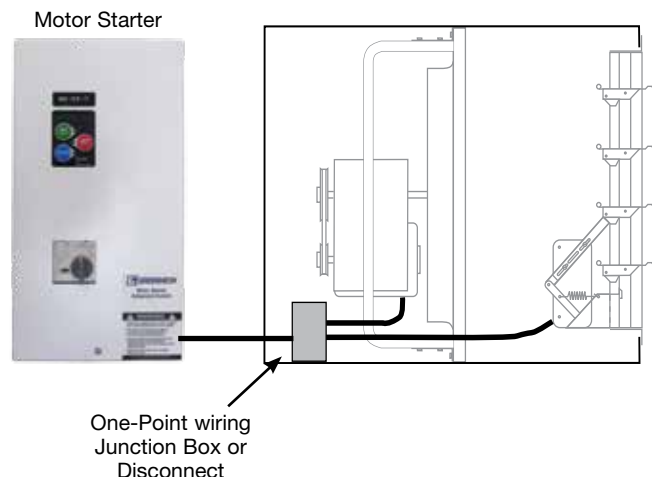
- Common voltages on the motor and the actuator
- Disconnect mounted and wired
- Wall housing

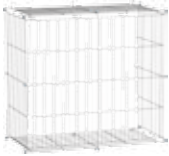




The wires are pulled from the motor and the actuator on the damper to the disconnect box. (Hard wiring of the components to the disconnect switch is by others.)

Exception: When a specific voltage is not available on the actuator, Greenheck will provide a hard wired transformer to the actuator. Greenheck will then pull the wires from the transformer to the disconnect box. (see below)






Greenheck MSAC Motor Starters

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



Option or Accessory		Mounting Option				
		Standard Wall Mounting	Standard Horizontal Mounting	Wall Collar	Wall Housing	Filtered Supply Wall Housing
	Page Number	p.9	p.9	p.12	p.12	p.11
<p>Motor Side Guard</p> <p>Protective guards of welded steel wire completely enclose the motor and drive side of the fan. Guards are powder-coated. Other paint finishes are also available. Sizes 20 and larger only.</p>		✓		✓		
<p>OSHA Motor Side Guard</p> <p>Protective guards of expanded metal screen in structural steel frames are available to completely enclose the motor and drive side of the fan.</p>		✓		✓		
<p>Weatherhood</p> <p>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° turn down is for exhaust and 90° turn down is for exhaust and supply. Options include aluminum construction, insect screen and painted finish. The weatherhood cannot be used with the damper guard option.</p>		✓		✓	✓	✓
<p>Damper Guard</p> <p>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.</p>		✓		✓	✓	✓
<p>Dampers</p> <p>Used alone or in conjunction with the wall housing or wall collar, a complete line of dampers are available for exhaust or supply configurations.</p>		✓		✓	✓	✓

Mounting Options Overview

	Mounting Option	Description	Page
<p>Standard Wall Mounting</p>		<p>Fan can be mounted directly to a wall.</p>	<p>9</p>
<p>Standard Horizontal Mounting</p>		<p>Fan can be horizontally mounted to move air up or down.</p>	<p>9</p>
<p>Filtered Supply Wall Housing</p>		<p>The filtered supply wall housing is a flexible and easy way to mount the fan for installations where filtering is required.</p>	<p>11</p>
<p>Wall Housing</p>	 <p style="text-align: right; color: blue; font-size: small;">Optional Accessories</p>	<p>The wall housing is the easiest and most flexible way to mount the sidewall propeller fan and all of its accessories.</p>	<p>12</p>
<p>Wall Collar</p>	 <p style="text-align: right; color: blue; font-size: small;">Optional Accessories</p>	<p>The wall collar is an easy way to mount the sidewall propeller fan and its accessories.</p>	<p>12</p>

Standard Wall Mounting

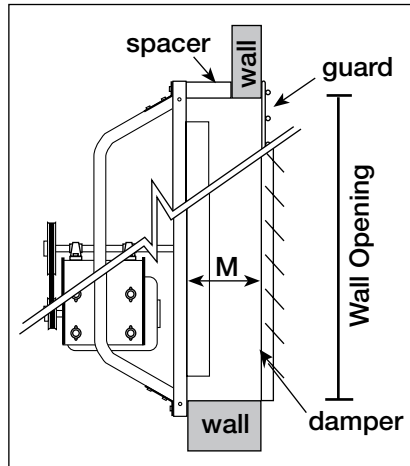
The split drawing (right) illustrates the typical ways of mounting fans directly to the wall when a wall housing or collar is not used.

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 (152)	10½ (267)
10	6 (152)	12½ (318)
12	7 (178)	14½ (368)
14	8 (203)	16½ (419)
16	9 (229)	18½ (470)
18	10 (254)	20½ (521)
20	12 (305)	22½ (572)
24	13 (330)	26½ (673)
30	13 (330)	32½ (826)
36	14 (356)	38½ (978)
42	15 (381)	44½ (1130)
48	16 (406)	50½ (1283)
54	17 (432)	57½ (1435)
60	19 (483)	63½ (1588)
72	19 (483)	74½ (1892)

All dimensions given in inches (mm).

Standard Horizontal Mounting

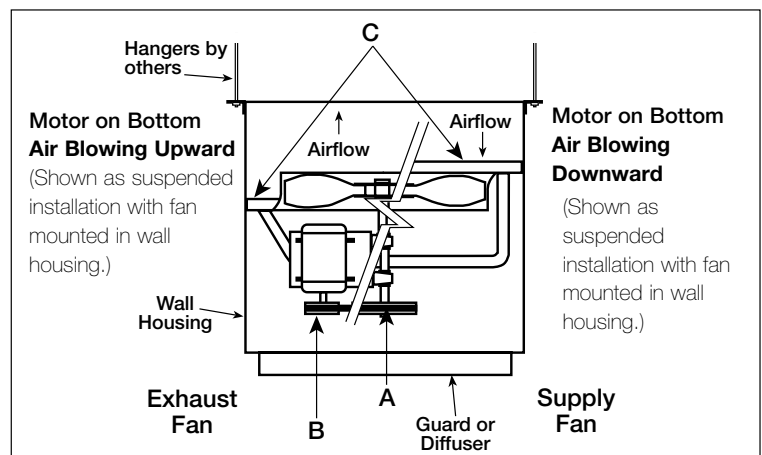
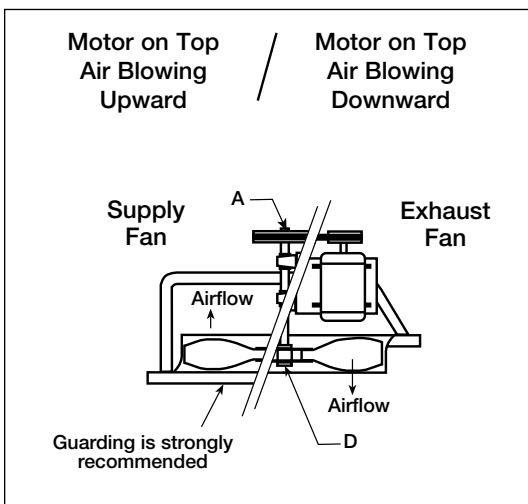
Modifications Shown in Diagrams	
A	Grooved shaft with snap rings (belt drive fans)
B	Motor pulley retaining hardware (belt drive fans with motor on bottom)
C	Reinforcing angles on fan panel (all fans with motor on bottom)
D	Propeller retaining hardware - not shown (direct drive fans with motor on top)

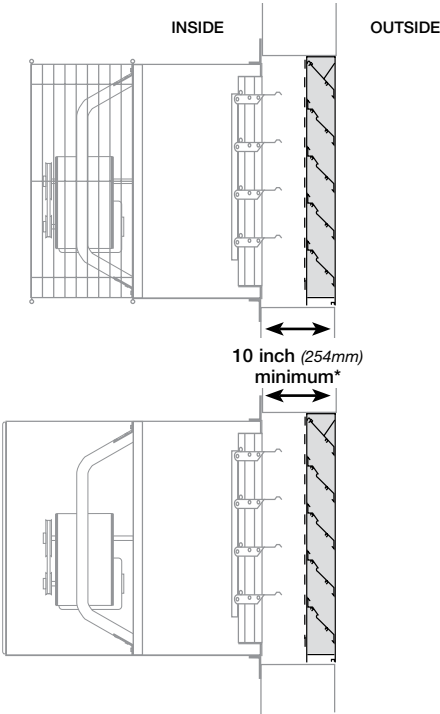
NOTE: Protective guarding is also required below the fan for safety. When guarding is not ordered with the fan, it must be supplied by the installer. When specifying a fan for horizontal mounting, the motor location (top or bottom) and airflow (upward or downward) are required information.

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.



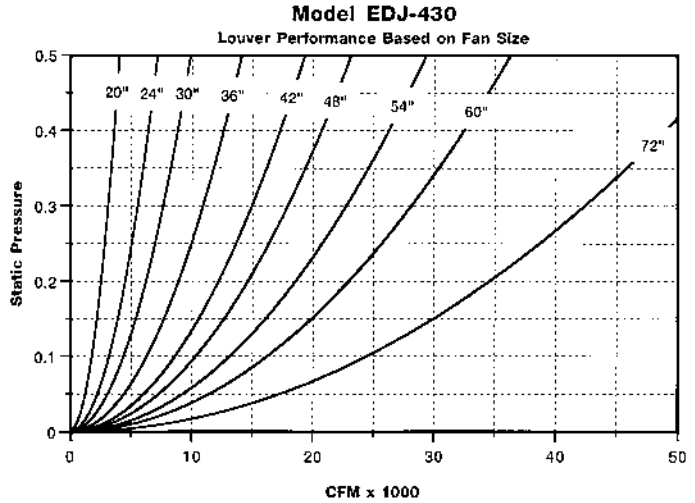


*Can be smaller based on fan size

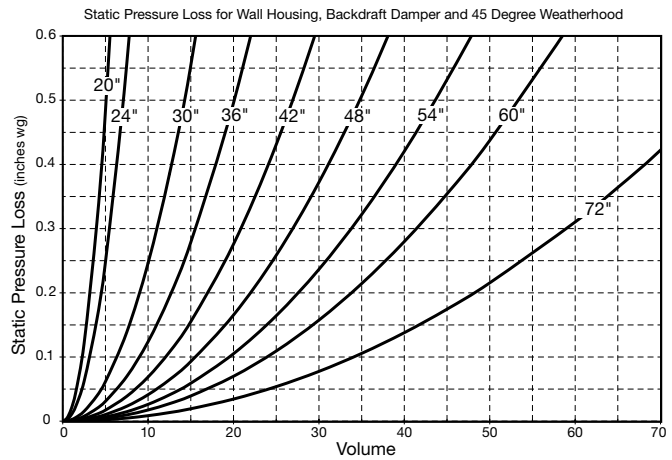
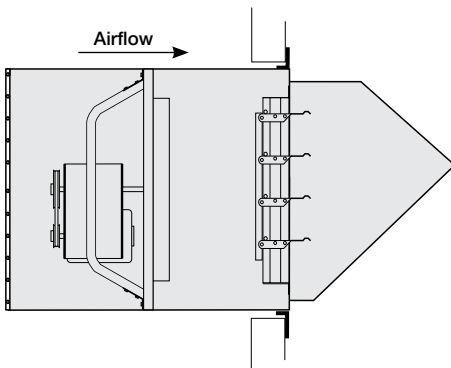
Louver Mounting

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.

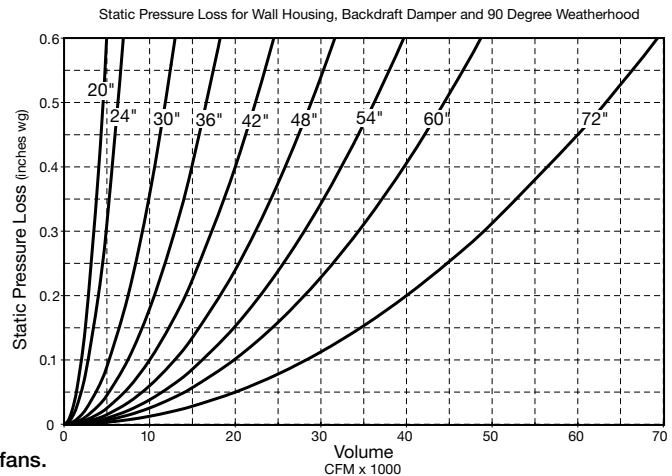
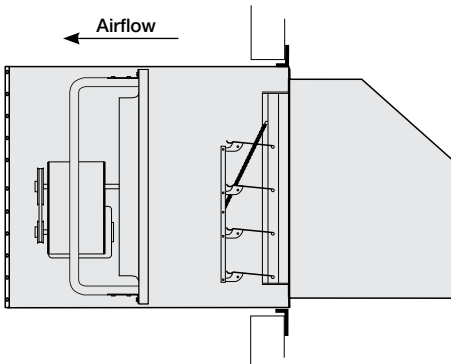
For additional louver information visit www.greenheck.com or refer to the catalog Louver Products: Severe Duty, Stationary, Operable.



EXHAUST FAN in Wall Housing with Gravity Damper and Weatherhood



SUPPLY FAN in Wall Housing with Gravity Damper and Weatherhood



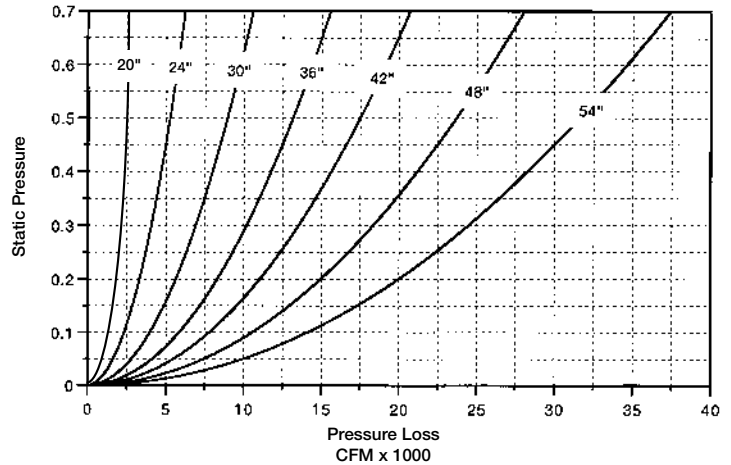
See section on page 12 about water ingress and mitigation on supply fans.

Mounting Options

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 (610 to 1372 mm). 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 (51 mm) washable filters are accessed through a bolted panel and can be easily removed for cleaning.

Size	Filter Size & Quantity
24	(4) 23 ¹ / ₄ (591) x 16 ¹ / ₄ (413)
30	(4) 24 ³ / ₈ (625) x 19 ¹ / ₄ (489)
36	(6) 23 ¹ / ₄ (591) x 22 ¹ / ₈ (562)
42	(6) 24 ¹ / ₈ (613) x 25 ¹ / ₈ (638)
48	(12) 23 ¹ / ₄ (591) x 18 ³ / ₄ (476)
54	(12) 23 ¹ / ₄ (591) x 20 ³ / ₄ (527)

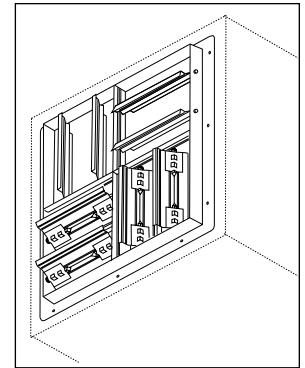
Filters are 2 inch (51 mm) nominal thickness. Above filter sizes are actual dimensions. All dimensions given in inches (mm).

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



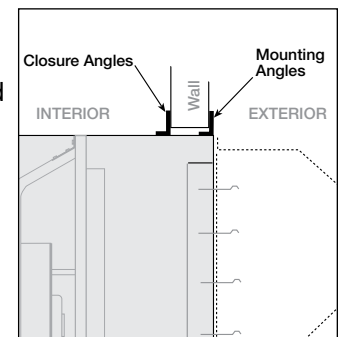
Diffusers - Wall Housing Mounted - Manual Operator

Diffusers are constructed with heavy-gauge galvanized steel frames, blades and prepunched mounting flanges. They are designed to mount to the interior end of the wall housing when used in the supply configuration. Manual quadrants set the angle of the blades to deflect air in 1, 2 or 4 directions.



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.



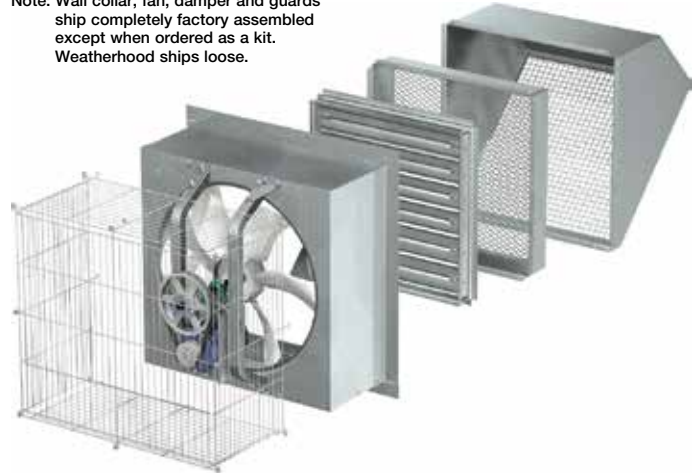
Wall housing or wall collar should be tipped slightly to the outside for water drainage.

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 less) 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.

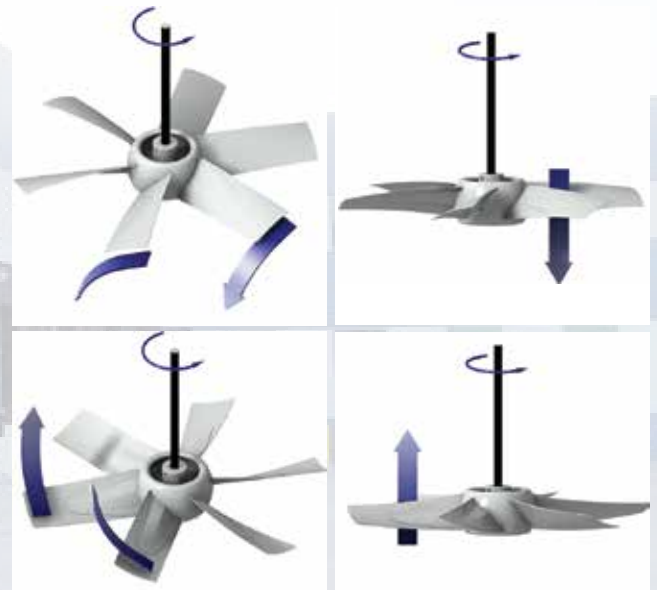
Motor Service Factor

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.



Mounting Options Flush Exterior

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?

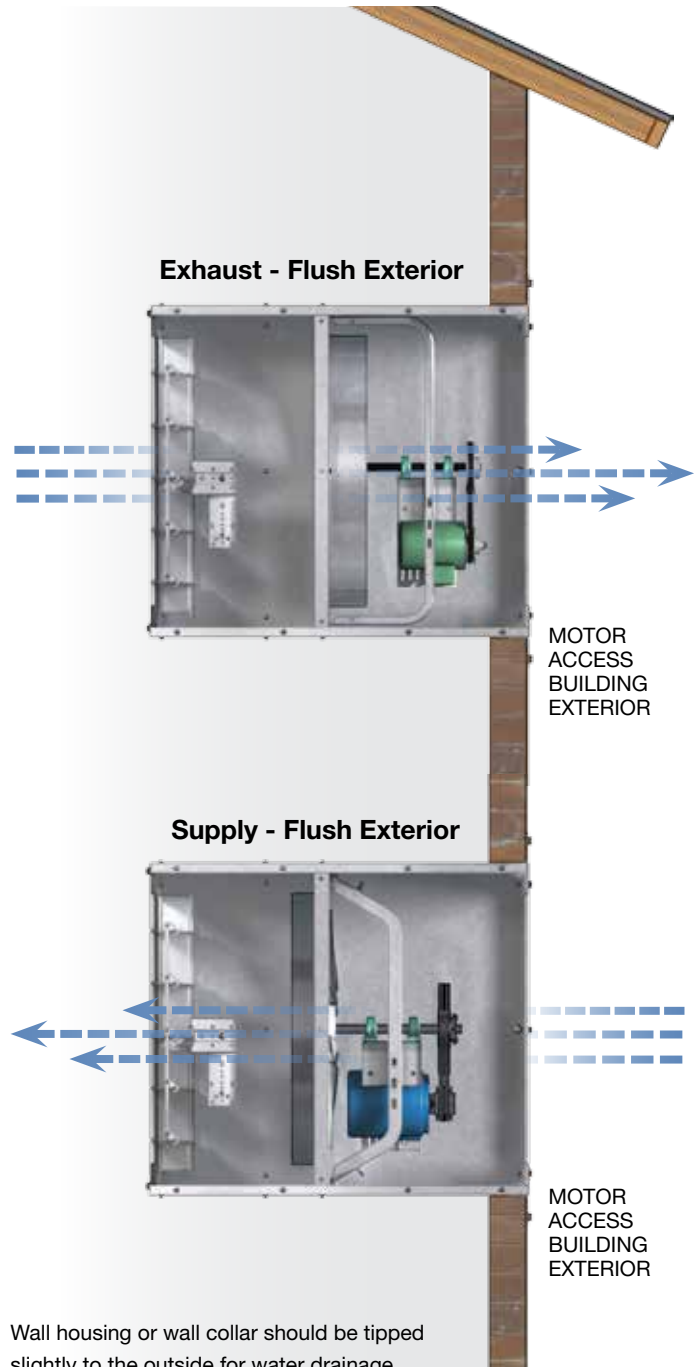
Motor and Drive Accessed from - Inside of Building

- Damper Outside



Outside of Building

- Damper Inside



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

Mounting Options

Flush Interior

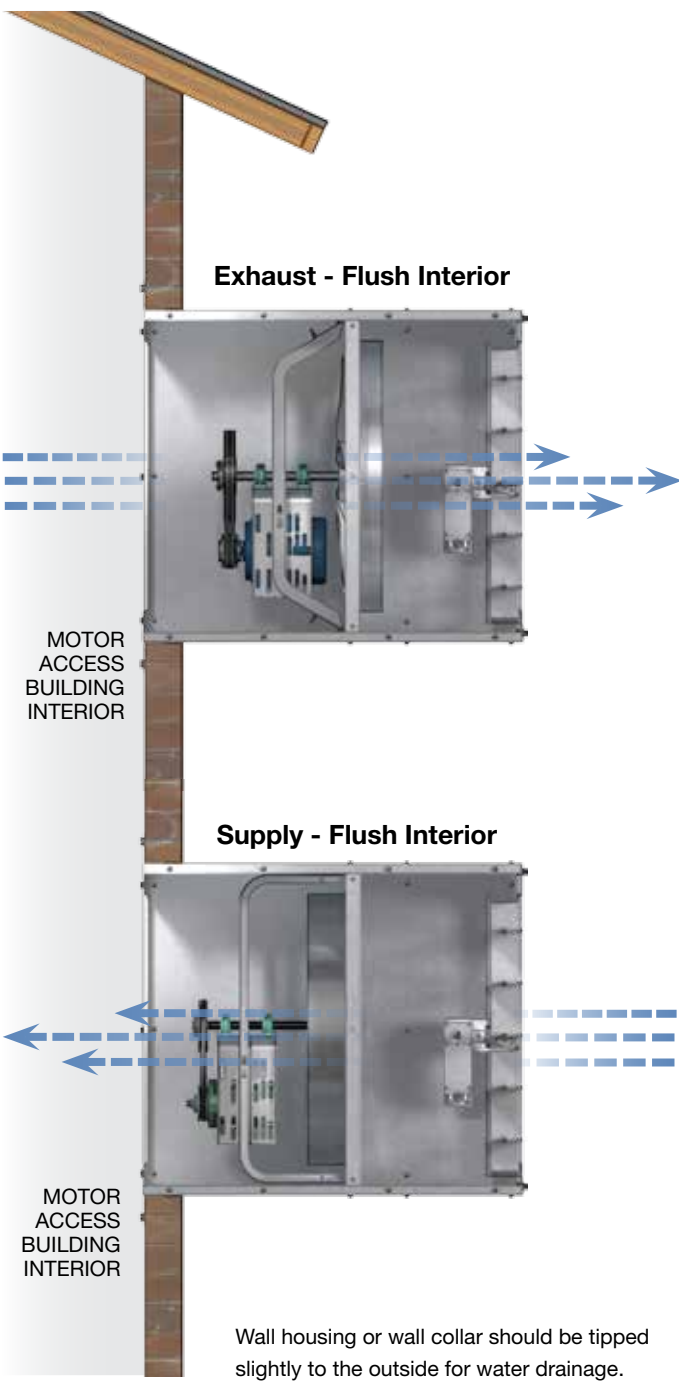
Flush Interior: The fan and housing will be outside the building and the end of the housing will be flush with the interior wall.

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.

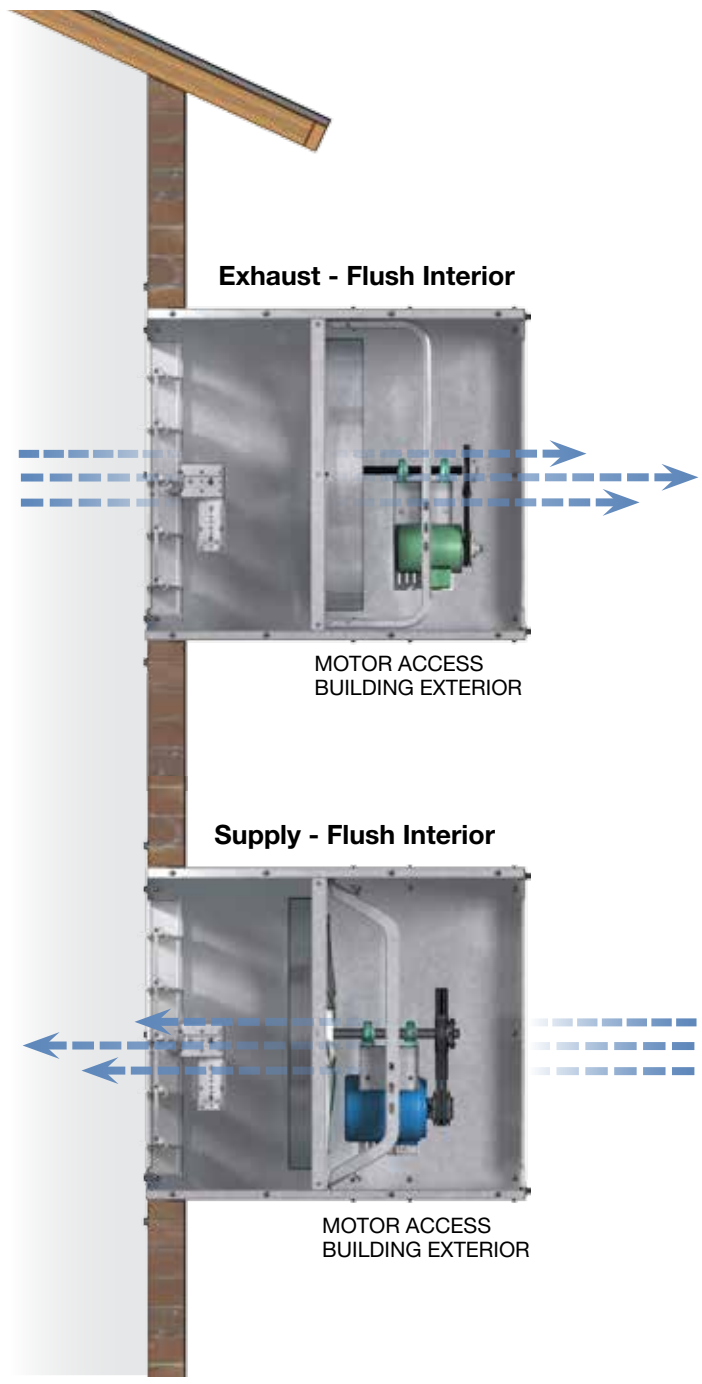
Motor and Drive Accessed from - Inside of Building

- Damper Outside



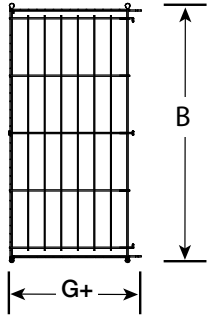
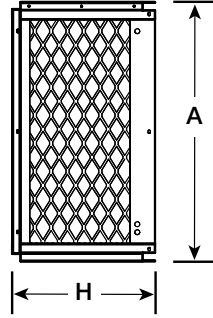
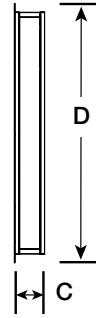
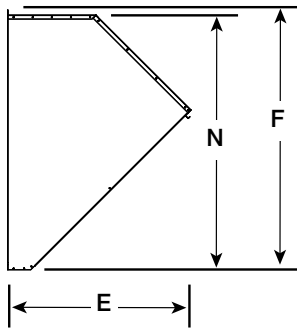
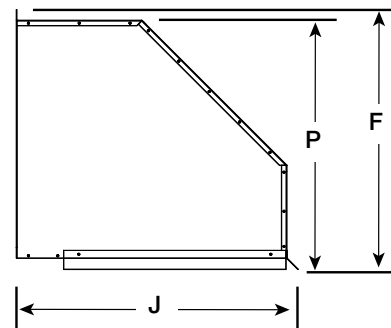
Outside of Building

- Damper Inside



Sidewall Options and Accessories

Weatherhoods / Guard Dimensions

Motor Side Guard

OSHA Side Guard

Damper Guard

45° Weatherhood

90° Weatherhood


Weatherhood F Dimension		
	45°	90°
8	12 (305)	12¾ (324)
10	14¼ (362)	14⅞ (378)
12	16⅞ (429)	17½ (444)
14	18⅞ (479)	19½ (495)
16	20⅞ (530)	21½ (546)
18	22⅞ (581)	23½ (597)
20	24⅞ (632)	25⅞ (651)
24	31¼ (806)	33⅞ (841)
30	37⅞ (962)	39¼ (997)
36	43⅞ (1114)	45¼ (1149)
42	49⅞ (1267)	51¼ (1302)
48	56 (1422)	57⅞ (1457)
54	62¼ (1581)	63⅞ (1616)
60	68⅞ (1737)	69¾ (1772)
72	80¾ (2051)	82⅞ (2086)

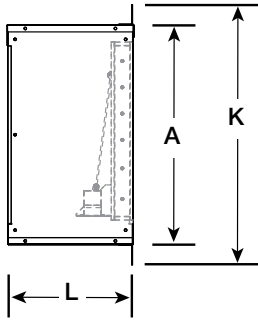
Size	Motor Side Guard		OSHA Side Guard		Damper Guard		Damper	Weatherhood					Galvanized Steel Gauge (ga) Thickness
	B	G+	A	H	C	D		E	J	N	P	Width	
8	—	—	13⅞ (305)	9⅞ (305)	5½ (140)	10¼ (260)	10 (254)	13¼ (337)	16⅞ (305)	11¼ (305)	12 (305)	10½ (267)	18
10	—	—	15¼ (305)	10 (305)	6½ (165)	12¼ (311)	12 (305)	14⅞ (378)	18½ (305)	13⅞ (305)	14 (305)	12½ (318)	18
12	—	—	18 (305)	12 (305)	5¼ (137)	14¼ (362)	14 (356)	16⅞ (416)	20⅞ (305)	15⅞ (305)	16⅞ (305)	14½ (368)	18
14	—	—	20 (305)	12 (305)	6¼ (162)	16¼ (413)	16 (406)	17½ (445)	22½ (305)	17⅞ (305)	18⅞ (305)	16½ (419)	18
16	—	—	22 (305)	12 (305)	6¾ (171)	18¼ (464)	18 (457)	19⅞ (492)	25 (305)	19⅞ (305)	20⅞ (305)	18½ (470)	18
18	—	—	24⅞ (305)	12 (305)	6 (152)	20¼ (514)	20 (508)	22 (559)	27½ (305)	21⅞ (305)	22⅞ (305)	20½ (521)	18
20	28 (305)	17⅞ (305)	25⅞ (305)	17¼ (305)	6½ (165)	22¼ (565)	22 (559)	24¼ (629)	29¼ (305)	23⅞ (305)	24⅞ (305)	22½ (572)	18
24	34 (305)	19½ (305)	31⅞ (305)	20 (305)	6¼ (162)	26¼ (667)	26 (660)	26⅞ (683)	36 (305)	30⅞ (305)	31¼ (305)	29⅞ (740)	18
30	40 (305)	22½ (305)	37⅞ (305)	21¼ (305)	6½ (165)	32¼ (819)	32 (813)	29⅞ (740)	40⅞ (305)	36½ (305)	37⅞ (305)	35⅞ (892)	18
36	46⅞ (305)	23⅞ (305)	43⅞ (305)	24¼ (305)	6¾ (171)	38¼ (972)	38 (965)	33 (838)	45½ (305)	42½ (305)	43⅞ (305)	41⅞ (1045)	18
42	53⅞ (305)	25⅞ (305)	49⅞ (305)	28½ (305)	10 (254)	44¼ (1124)	44 (1118)	35¼ (908)	49¼ (305)	48½ (305)	49⅞ (305)	47⅞ (1197)	18
48	59⅞ (305)	28⅞ (305)	55⅞ (305)	28¼ (305)	9 (229)	50¼ (1276)	50 (1270)	40⅞ (1026)	55½ (305)	54⅞ (305)	56 (305)	53¼ (1353)	18
54	—	—	61⅞ (305)	34¼ (305)	7½ (191)	56¼ (1429)	56 (1422)	44¼ (1137)	61¼ (305)	60⅞ (305)	62¼ (305)	59½ (1511)	16
60	—	—	67⅞ (305)	34¼ (305)	7¼ (184)	62¼ (1581)	62 (1575)	48⅞ (1229)	66½ (305)	67 (305)	68⅞ (305)	65⅞ (1667)	16
72	—	—	81⅞ (305)	34¼ (305)	7½ (191)	74¼ (1886)	74 (1880)	53¼ (1353)	72⅞ (305)	79½ (305)	80⅞ (305)	78⅞ (1984)	16

All dimensions given in inches (mm)

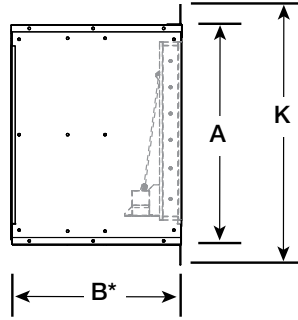
Sidewall Options and Accessories

Collars / Housing Dimensions

Wall Collar

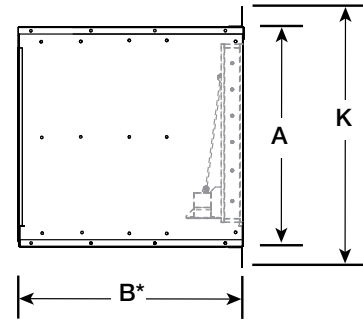


Short Wall Housing



* B - Short Wall Housing: B dimension will increase by 6 inches (152 mm) 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 (mm).

Long Wall Housing

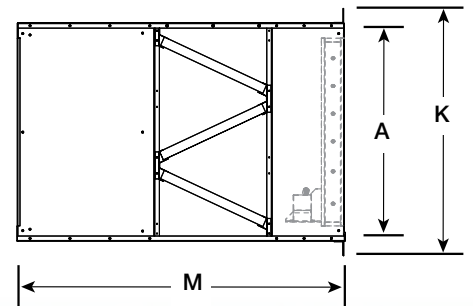


* B - Short Wall Housing: B dimension will increase by 6 inches (152 mm) when a long wall housing is selected or a motorized backdraft damper is specified. For complete dimensional information refer to submittal. All dimensions given in inches (mm).

Size	Wall Collar and Housings						Galvanized Steel Gauge (ga) Thickness
	A	B*	K	L	M	W.O.	
8	13 ¹ / ₄ (337)	19 (483)	16 ¹ / ₄ (413)	16 ¹ / ₈ (410)	—	14 ¹ / ₄ (362)	18
10	15 ¹ / ₄ (387)	19 (483)	18 ¹ / ₄ (464)	16 ¹ / ₈ (410)	—	16 ¹ / ₄ (413)	18
12	18 ¹ / ₄ (464)	23 (584)	21 ¹ / ₄ (540)	16 ¹ / ₈ (410)	—	19 ¹ / ₄ (489)	18
14	20 ¹ / ₄ (514)	26 (660)	23 ¹ / ₄ (591)	18 ³ / ₈ (467)	—	21 ¹ / ₄ (540)	18
16	22 ¹ / ₄ (565)	27 (686)	25 ¹ / ₄ (641)	18 ³ / ₈ (467)	—	23 ¹ / ₄ (591)	18
18	24 ¹ / ₄ (616)	28 (711)	27 ¹ / ₄ (692)	18 ³ / ₈ (467)	—	25 ¹ / ₄ (641)	18
20	26 ¹ / ₄ (667)	32 (813)	29 ¹ / ₄ (743)	18 ³ / ₈ (467)	—	27 ¹ / ₄ (692)	18
24	32 ¹ / ₄ (819)	37 (940)	38 ¹ / ₄ (972)	18 ³ / ₈ (467)	63 (1600)	33 ¹ / ₄ (857)	18
30	38 ¹ / ₄ (972)	38 (965)	44 ¹ / ₄ (1124)	18 ³ / ₈ (467)	65 (1651)	39 ¹ / ₄ (1010)	18
36	44 ¹ / ₄ (1124)	39 (991)	50 ¹ / ₄ (1276)	18 ³ / ₄ (476)	67 ¹ / ₄ (1708)	45 ³ / ₄ (1162)	18
42	50 ³ / ₈ (1280)	44 (1118)	56 ³ / ₈ (1432)	18 ³ / ₄ (476)	72 ³ / ₈ (467)	51 ¹ / ₄ (1314)	18
48	56 ³ / ₈ (1432)	44 (1118)	62 ³ / ₈ (1584)	18 ⁷ / ₈ (479)	72 ³ / ₈ (1851)	57 ¹ / ₄ (1467)	18
54	62 ³ / ₈ (1584)	52 (1321)	68 ³ / ₈ (1737)	20 ¹ / ₈ (511)	79 ¹ / ₁₆ (2024)	63 ³ / ₄ (1619)	18
60	68 ³ / ₈ (1737)	54 (1372)	74 ³ / ₈ (1889)	21 (533)	—	69 ¹ / ₄ (1172)	16
72	83 ¹ / ₈ (2111)	60 (1524)	89 ¹ / ₈ (2264)	22 (559)	—	84 ³ / ₄ (2153)	12

All dimensions given in inches (mm)

Filtered Wall Housing

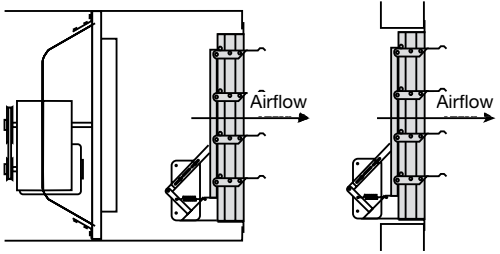
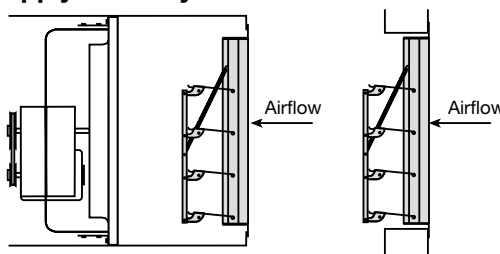
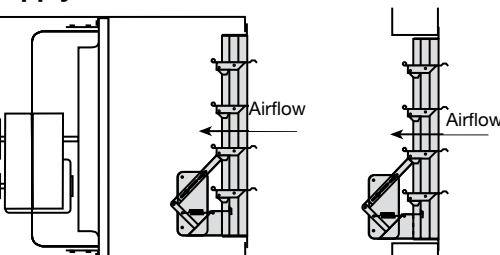


Backdraft Dampers

Used alone or in conjunction with the wall housing or wall collar, backdraft dampers are available for exhaust or supply configurations. Backdraft dampers are constructed with galvanized frames, aluminum blades and vinyl blade seals. Actuators are available in 24, 120, 208, 230 or 460 volts. Actuators for 50 cycle voltages are also available.



WD-300

Damper Type	Description	Flush Exterior	Flush Interior
<p>Exhaust - Gravity or Motorized¹</p>  <p>Wall Housing Installation Wall Installation</p>	<p>WD-320 and WD-300 exhaust dampers are available as either gravity operated or motorized</p> <p><i>Model WD-320 shown</i></p>	<p>Exhaust backdraft dampers are model WD-320, which has the prepunched mounting flange located on the inlet end of the damper for a flush exterior appearance.</p>	<p>For applications where the mounting flange is required on the inlet end of the damper (so that the damper projects to the exterior), the model WD-300 is available.</p>
<p>Supply - Gravity²</p>  <p>Wall Housing Installation Wall Installation</p>	<ul style="list-style-type: none"> • WD-430 and WD-420 intake dampers are only available as gravity operated • Galvanized steel frame and aluminum blades <p><i>Model WD-430 shown</i></p>	<ul style="list-style-type: none"> • Model WD-430 has a prepunched mounting flange located on the inlet end of the damper for a flush exterior appearance • Flange on intake 	<ul style="list-style-type: none"> • Model WD-420 is for applications where a prepunched mounting flange is required on the outlet end of damper (so the damper projects to the exterior) • Flange on discharge
<p>Supply - Motorized³</p>  <p>Wall Housing Installation Wall Installation</p>	<ul style="list-style-type: none"> • WD-220 and WD-210 intake dampers are only available as motorized • Galvanized steel frame and aluminum blades <p><i>Model WD-220 shown</i></p>	<ul style="list-style-type: none"> • Model WD-220 has a prepunched mounting flange located on the inlet end of the damper for a flush exterior appearance • Flange located opposite of motor side of the damper 	<ul style="list-style-type: none"> • Model WD-210 is for applications where a mounting flange is required on the outlet end of the damper (so that the damper projects to the exterior) • Flange located on motor side of the damper

¹ Model WD-320 and WD-300 are used with fans where the motor is 5 hp or less. For fans with motors larger than 5 hp, the model GM-31 medium duty gravity backdraft damper or the model VCD heavy duty motorized backdraft dampers are required.

² Model WD-430 and WD-420 are used with fans where the motor is 5 hp or less. For fans with motors larger than 5 hp, the model VCD heavy duty motorized backdraft dampers are required.

³ Model WD-220 and WD-210 are used with fans where the motor is 3 hp or less. For fans with motors larger than 3 hp, the model VCD heavy duty motorized backdraft damper is required.

Note: Wall housing length increases by 6 inches (152 mm) when a heavy duty backdraft damper is specified.

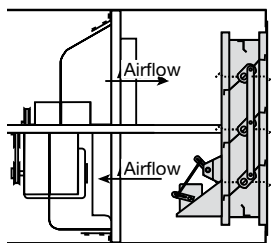
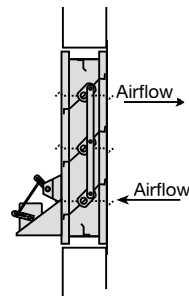
Dampers

Volume Control / Heavy Duty

Volume control dampers are available for exhaust or supply configurations and may be used alone or in conjunction with the wall housing or wall collar. Constructed with heavy galvanized steel frames and blades, model VCD dampers are designed to handle higher air volumes than the standard backdraft damper. Dampers are available in standard leakage (VCD-20), low leakage (VCD-23) and insulated low leakage (VCD-34) configurations. Actuators are available in 24, 120, 208, 230 or 460 volts. Actuators for 50 cycle voltages are also available.

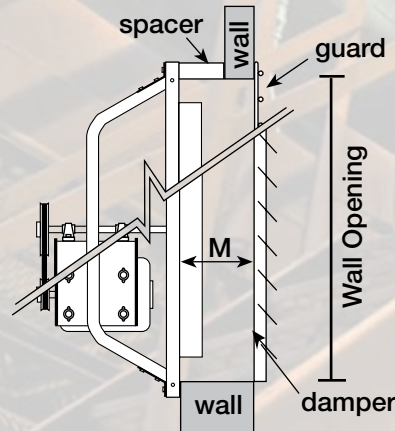


VCD-20

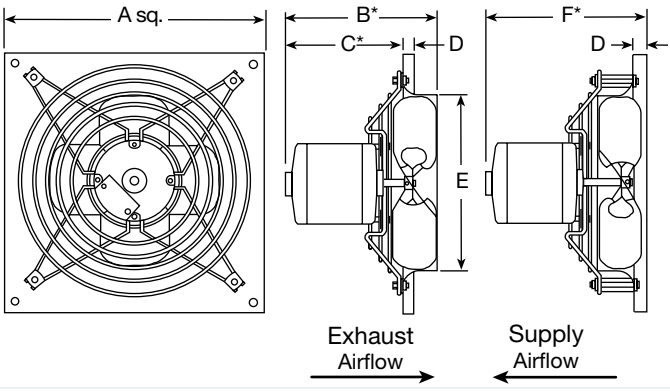
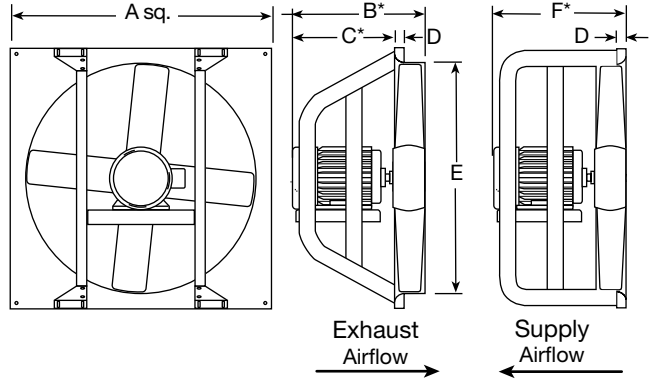
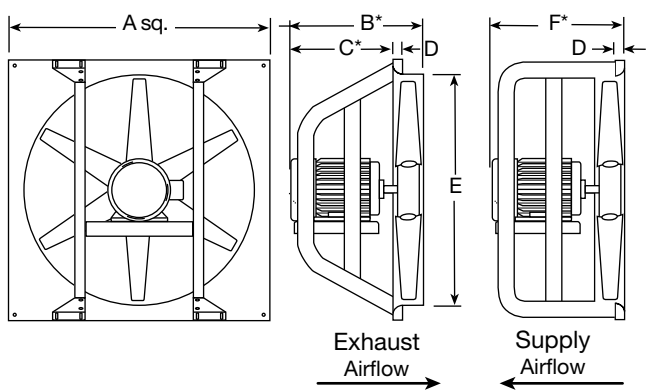
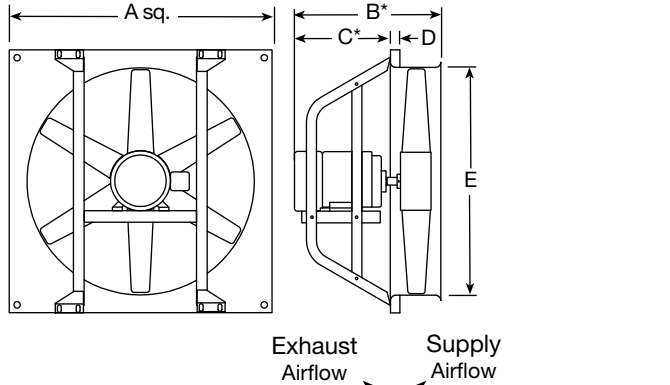
Damper Type	Description	Flush Exterior	Flush Interior
Exhaust or Supply - Motorized  <p>Wall Housing Installation</p>  <p>Wall Installation</p>	<p>Model VCD-20 Standard leakage</p> <p>Model VCD-23 Low leakage</p> <p>This damper has blade and jamb seals for minimal leakage when closed.</p> <p>Model VCD-34 Insulated low leakage</p> <p>This damper has blade and jamb seals for minimal leakage when closed. Blades are constructed with 1/2 in. (13 mm) polystyrene insulation between two galvanized steel skins.</p>	<p>The VCD damper has the parallel blade set-up and a prepunched mounting flange that provides a flush exterior appearance.</p>	<p>N/A</p>

Fan Size	M	Wall Opening
8	6 (152)	10½ (267)
10	6 (152)	12½ (318)
12	7 (178)	14½ (368)
14	8 (203)	16½ (419)
16	9 (229)	18½ (470)
18	10 (254)	20½ (521)
20	12 (305)	22½ (572)
24	13 (330)	26½ (673)
30	13 (330)	32½ (826)
36	14 (356)	38½ (978)
42	15 (381)	44½ (1130)
48	16 (406)	50½ (1283)
54	17 (432)	57½ (1435)
60	19 (483)	63½ (1588)
72	19 (483)	74½ (1892)

All dimensions given in inches (mm).



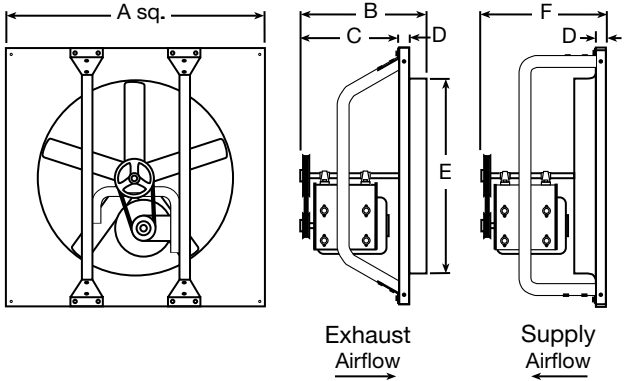
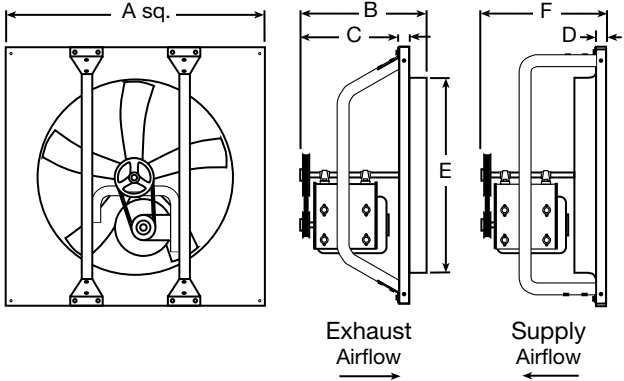
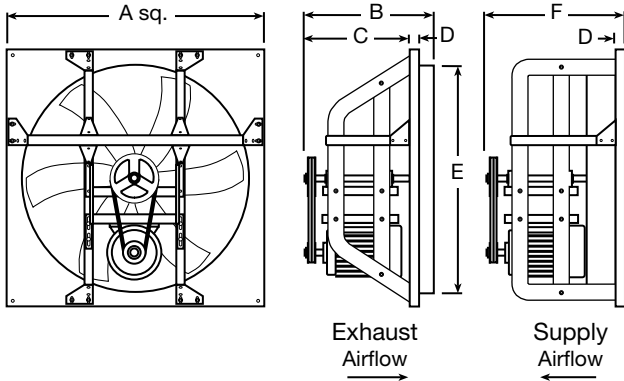
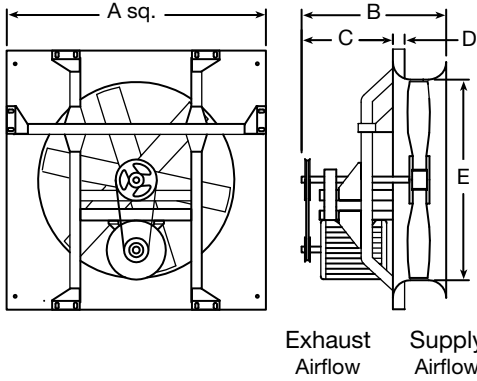
Volume control dampers that are ordered with explosion proof (EXP) actuators will effect overall length of long wall housing depending on fan size and actuator; consult factory.

Fan Size	A Panel**	B*	C*	D	E	F*	Damper Size**	
Level 1								Level 1: Sizes 8 - 12 
8	13 (330)	7 (178)	5 (127)	1 (25)	8 ³ / ₈ (213)	8 (203)	10 (254)	
10	15 (381)	8 ³ / ₄ (222)	5 (127)	1 (25)	10 ³ / ₈ (264)	8 (203)	12 (305)	
12	18 (457)	10 ³ / ₄ (273)	8 ¹ / ₄ (210)	1 (25)	12 ³ / ₈ (314)	13 ¹ / ₈ (333)	14 (356)	
14	20 (508)	11 ¹ / ₄ (286)	8 ¹ / ₂ (216)	1 (25)	14 ³ / ₈ (365)	14 ¹ / ₄ (362)	16 (406)	
16	22 (559)	11 ³ / ₄ (298)	8 ¹ / ₂ (225)	1 (25)	16 ³ / ₈ (416)	14 (356)	18 (457)	
18	24 (610)	14 (356)	10 ⁷ / ₈ (276)	1 (25)	18 ³ / ₈ (467)	14 ¹ / ₄ (362)	20 (508)	
20	26 (660)	17 ¹ / ₄ (438)	11 (279)	1 (25)	20 ¹ / ₂ (521)	18 (457)	22 (559)	
24	32 (813)	20 (508)	12 ⁵ / ₈ (321)	1 ¹ / ₄ (32)	24 ³ / ₈ (619)	21 (533)	26 (660)	
Level 2								Level 1: Sizes 12 - 24 
16	22 (559)	13 ¹ / ₂ (343)	10 ¹ / ₄ (260)	1 (25)	16 ³ / ₈ (416)	14 (356)	18 (457)	
18	24 (610)	13 ¹ / ₂ (343)	10 ¹ / ₄ (260)	1 (25)	18 ³ / ₈ (467)	14 ¹ / ₄ (362)	20 (508)	
20	26 (660)	17 ¹ / ₄ (438)	13 ¹ / ₂ (343)	1 (25)	20 ¹ / ₂ (521)	18 (457)	22 (559)	
24	32 (813)	20 (508)	13 ¹ / ₂ (343)	1 ¹ / ₄ (32)	24 ³ / ₈ (625)	21 (533)	26 (660)	
30	38 (965)	20 ¹ / ₂ (521)	16 ³ / ₈ (416)	1 ¹ / ₄ (32)	30 ⁵ / ₈ (778)	21 ¹ / ₄ (552)	32 (813)	
36	44 (1118)	20 ¹ / ₂ (521)	16 ³ / ₈ (416)	2 (51)	36 ³ / ₈ (930)	28 (711)	38 (965)	
42	50 (1270)	26 (660)	18 ¹ / ₄ (464)	2 (51)	42 ⁵ / ₈ (1083)	28 (711)	44 (1118)	
48	56 (1422)	26 ³ / ₈ (676)	20 ⁵ / ₈ (524)	2 (51)	48 ⁵ / ₈ (1251)	28 ¹ / ₂ (724)	50 (1270)	
54	62 (1575)	28 (711)	22 ⁷ / ₁₆ (570)	2 (51)	55 ³ / ₈ (1407)	30 ¹ / ₈ (765)	56 (1422)	
Level 3								Level 2 & Level 3 
20	26 (660)	17 ¹ / ₄ (438)	13 ¹ / ₂ (343)	1 (25)	20 ¹ / ₂ (521)	18 (457)	22 (559)	
24	32 (813)	20 (508)	13 ¹ / ₂ (343)	1 ¹ / ₄ (32)	24 ³ / ₈ (625)	21 (533)	26 (660)	
30	38 (965)	20 ¹ / ₂ (521)	16 ³ / ₈ (416)	1 ¹ / ₄ (32)	30 ⁵ / ₈ (778)	21 ¹ / ₄ (552)	32 (813)	
36	44 (1118)	20 ¹ / ₂ (521)	16 ³ / ₈ (416)	2 (51)	36 ³ / ₈ (930)	28 (711)	38 (965)	
42	50 (1270)	26 (660)	18 ¹ / ₄ (464)	2 (51)	42 ⁵ / ₈ (1083)	28 (711)	44 (1118)	
48	56 (1422)	26 ³ / ₈ (676)	20 ⁵ / ₈ (524)	2 (51)	48 ⁵ / ₈ (1251)	28 ¹ / ₂ (724)	50 (1270)	
54	62 (1575)	28 (711)	22 ⁷ / ₁₆ (570)	2 (51)	55 ³ / ₈ (1407)	30 ¹ / ₈ (765)	56 (1422)	
Reversible								Reversible 
24	32 (813)	20 (508)	13 ¹ / ₂ (343)	1 ¹ / ₄ (32)	24 ³ / ₈ (625)	-	26 (660)	
30	38 (965)	20 ¹ / ₂ (521)	16 ³ / ₈ (416)	1 ¹ / ₄ (32)	30 ³ / ₄ (778)	-	32 (813)	
36	44 (1118)	20 ¹ / ₂ (521)	16 ³ / ₈ (416)	2 (51)	36 ³ / ₈ (930)	-	38 (965)	
42	50 (1270)	26 (660)	18 ¹ / ₄ (464)	2 (51)	42 ⁵ / ₈ (1083)	-	44 (1118)	
48	56 (1422)	26 ³ / ₈ (676)	20 ⁵ / ₈ (524)	2 (51)	49 (1251)	-	50 (1270)	
54	62 (1575)	28 (711)	22 ⁷ / ₁₆ (570)	2 (51)	55 ³ / ₈ (1407)	-	56 (1422)	

* Varies with motor selection. All dimensions given in inches (mm). **Square dimension.

Belt Drive

Dimensional Data

Fan Size	A Panel**	B	C	D	E	F*	Damper Size**	
Level 1								
20	26 (660)	19½ (495)	16¼ (413)	1 (25)	20½ (521)	20 (508)	22 (559)	
24	32 (813)	19½ (495)	16⅝ (410)	1¼ (32)	24¾ (625)	20 (508)	26 (660)	
30	38 (965)	22½ (572)	18¼ (464)	1¼ (32)	30¾ (778)	21 (533)	32 (813)	
36	44 (1118)	21½ (546)	16½ (419)	2 (51)	36¾ (930)	23 (584)	38 (965)	
42	50 (1270)	25 (635)	20 (508)	2 (51)	42¾ (1086)	23 (584)	44 (1118)	
48	56 (1422)	25 (635)	19 (483)	2 (51)	48¾ (1238)	23 (584)	50 (1270)	
54	62 (1575)	25 (635)	19½ (495)	2 (51)	55¼ (1403)	24 (610)	56 (1422)	
Level 2								
20	26 (660)	19½ (495)	16¼ (413)	1 (25)	20½ (521)	20 (508)	22 (559)	
24	32 (813)	19½ (495)	16⅝ (410)	1¼ (32)	24¾ (625)	20 (508)	26 (660)	
30	38 (965)	21½ (546)	17¼ (438)	1¼ (32)	30¾ (778)	21 (533)	32 (813)	
36	44 (1118)	21½ (546)	16½ (419)	2 (51)	36¾ (930)	22 (559)	38 (965)	
42	50 (1270)	25 (635)	20 (508)	2 (51)	42¾ (1086)	25½ (648)	44 (1118)	
48	56 (1422)	25 (635)	19 (483)	2 (51)	48¾ (1238)	25½ (648)	50 (1270)	
54	62 (1575)	26 (660)	20½ (546)	2 (51)	55¼ (1403)	24 (610)	56 (1422)	
60	68 (1727)	28 (711)	21⅞ (545)	2 (51)	61¼ (1556)	24 (610)	62 (1575)	
Level 3 & Reversible								
24	32 (813)	19 (483)	15⅝ (397)	1¼ (32)	24¾ (625)	20½ (521)	26 (660)	
30	38 (965)	21½ (546)	17¼ (438)	1¼ (32)	30¾ (778)	20 (508)	32 (813)	
36	44 (1118)	28 (711)	23 (584)	2 (51)	36¾ (930)	27 (686)	38 (965)	
42	50 (1270)	28 (711)	23 (584)	2 (51)	42¾ (1086)	29¼ (743)	44 (1118)	
48	56 (1422)	31½ (800)	27½ (699)	2 (51)	48¾ (1238)	30½ (775)	50 (1270)	
54	62 (1575)	35¾ (908)	30¼ (768)	2 (51)	55¼ (1403)	36¼ (921)	56 (1422)	
60	68 (1727)	35 (889)	28⅞ (722)	2 (51)	61¼ (1556)	35½ (902)	62 (1575)	
72	82 (2083)	35 (889)	28¼ (718)	2⅞ (54)	73¼ (1861)	35½ (902)	74 (1880)	
Reversible								
								

All dimensions given in inches (mm). **Square dimension.

Vari-Green® Motors

Model SE1



Greenheck's electronically commutated (EC) Vari-Green® (VG) motor combines motor technology, controllability and energy-efficiency into one single low maintenance unit. When combined with Greenheck's SE1 fans, the VG motor offers variable volume capability and energy-efficiency without using a variable frequency drive (VFD). The Vari-Green motor has built in overload and temperature protections, so it does not require a stand-alone motor starter for protection.

50/60 Hz Motor Information				
HP	RPM	Volts	FLA	Enclosure
1/6	1725	115/230	3.1	TENV
1/4	1725	115/230	3.9	ODP
1/2	1725	115/230	6.2	ODP
1/2	2500	115/230	6.5	ODP
3/4	1725	115/230	10.1	ODP
3/4	2200	115/230	11.3	ODP
1	1725	115/230	12.4	ODP
1	1725	115/208-230	12.0 / 6.0	TEFC
2	1725	208-230	12.0	TEFC

Features

- Dial on Motor Control** - A potentiometer (dial on motor control) is mounted on the motor for easy speed adjustment for system balance. Simply turn the dial; there are no belts and pulleys to adjust.
- Control Wire Inputs** - the motor accepts a 0-10 VDC signal from Building Automated Systems, Vari-Green controls or other controls to adjust motor speed.



Vari-Green® Controls

Transformer - 24V power from the existing line voltage at the fan to the Vari-Green motor and controls. Dual voltage primary (120/240V) transformer provided with the fan.

Remote Dial - Allows for remote, manual airflow adjustments. Wall plate with dial may be mounted in a standard 2x4 inch electrical junction box.

Two Speed Control with Integral Transformer

Control allows motor RPM to be set at two independent speeds (high or low). Meets minimum airflow requirements with the ability to bump up to high speed in an emergency or meet maximum airflow requirements, or reset down to low for energy conservation.

Constant Pressure Control - Control Vari-Green motor via static (variable volume) or velocity (constant CFM) pressure on the inlet or outlet side of the fan. Optional, duct or room probes for use in:

- Multifamily structures - Apartments, condos, hotels; dryers, residential kitchens and bathrooms.
- Institutional facilities - Schools, prisons, multistory office buildings; bathrooms.

Air Quality - VOC - Control a Vari-Green motor via changes in volatile organic compounds (VOC's). VOC's are gasses that are emitted from humans, building materials, perfumes, foods, and furniture off-gassing. Range is 0-2000 CO₂ PPM equivalent.

- Institutional facilities - Schools, court houses, hospitals; bathrooms, waiting rooms, cafeterias.
- Commercial buildings - Office spaces, conference rooms, bathrooms, break rooms.

Air Quality - Temperature and humidity -

Control a Vari-Green motor via changes in temperature, humidity, or both. Range is 32 to 120°F and 0 to 100% relative humidity.

- Multifamily structures - Apartments, condos, hotels; bathrooms, utility rooms
- Commercial buildings - Office buildings, office spaces, conference rooms, utility rooms, bathrooms.

Benefits

Operates on AC power that's converted to DC—providing a more efficient motor operation as compared to an AC operation.

- The motor can attain up to 85% efficiency and reduce energy consumption.
- Watt savings of 30-70% depending on rpm.
Note: As motor speed is turned down, efficiency stays high as compared to an AC motor that decreases dramatically.
- Operates cooler than a standard AC motor at lower RPMs. A cooler motor has longer motor life and reduces energy consumption.
- 80% usable RPM turndown as low as 300 rpm.
- SEI fans with Vari-Green motors can provide all the CFM and static pressure ranges of a comparable belt drive.

- Maintenance costs are reduced as there are no belts or bearings to replace and no pulleys to adjust.
- Direct drive fans are often preferred where maintenance access is difficult.
- Provides a solution for demand controlled ventilation applications.

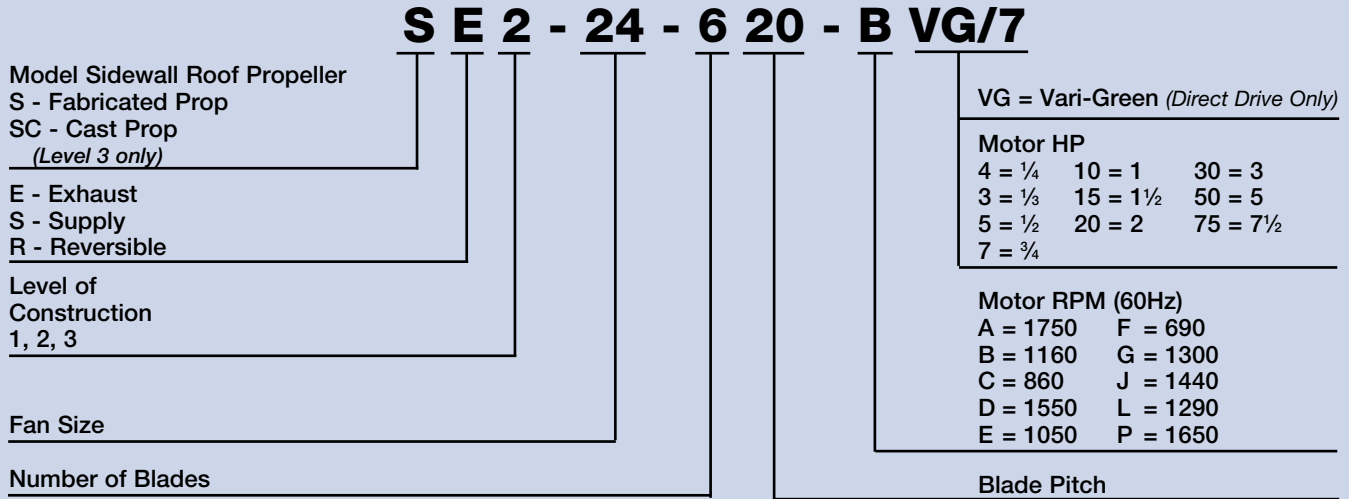
Vari-Green Advantages

- Initial cost is less than a belt drive/motor starter combination.
- Lower operating cost
- No maintenance, no belts, pulleys or bearings
- Easy RPM adjustment

SE1 Performance Limits - Vari-Green®															
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
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											

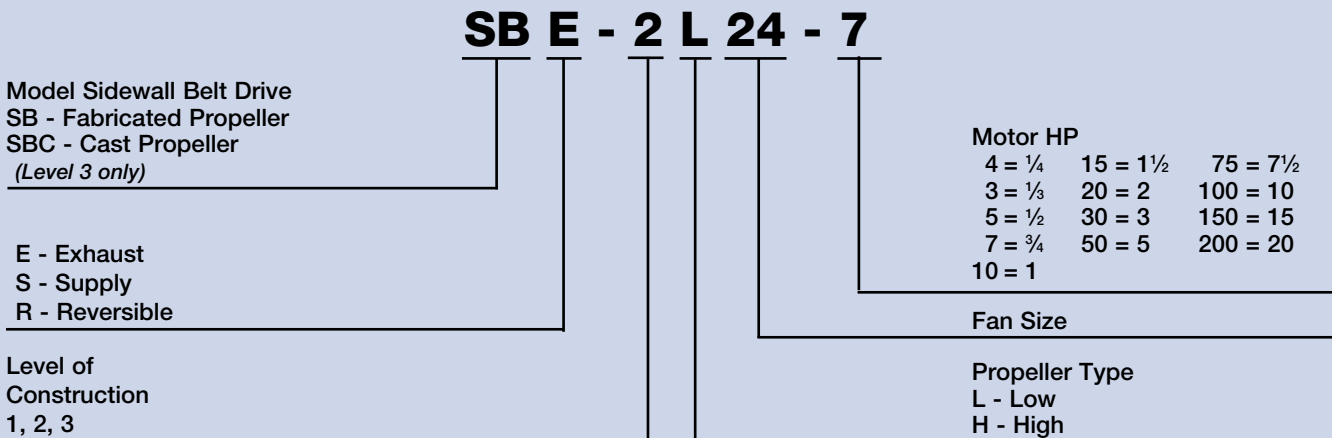
Direct Drive Number Code

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 pages 23 and 25 through 28.



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 pages 29 through 41.



S1-Direct Drive - Level 1



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
SE1/SS1 Performance Limits																
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		0.15	7.5	2108	2027	1942	1894	1846	1725	1588					
S1-16-428-B6		1160	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			0.20	6.7	2800	2690	2568	2501	2427	2257	2025	1828				
S1-18-429-B4	1/4	1160	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			0.30	13.8	3655	3561	3467	3419	3364	3255	3095	2924	2661			
S1-20-428-B3	1/3	1160	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	1½		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 Models S1 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												CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.
		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										
		998	0.37	16.7	3750	3436	3342	3244	3006	2727	2398	1588	873	393					
SB-1H20-3	1/3	1039	0.40	17.2	3904	3608	3517	3427	3212	2954	2676	2037	1064	603					
		1021	0.50	17.0	5222	4675	4566	4461	4181	3747									
		1085	0.60	17.9	5550	5021	4919	4817	4621	4269	3712								
SB-1L20-5	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-1H20-5		1107	0.50	18.0	4159	3885	3805	3720	3534	3315	3065	2599	1368	935	502				

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

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												CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.
		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										
		998	0.37	16.7	3750	3436	3342	3244	3006	2727	2398	1588	873	393					
SB-1H20-3	1/3	1039	0.40	17.2	3904	3608	3517	3427	3212	2954	2676	2037	1064	603					
		1021	0.50	17.0	5222	4675	4566	4461	4181	3747									
		1085	0.60	17.9	5550	5021	4919	4817	4621	4269	3712								
SB-1L20-5	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				
		1107	0.50	18.0	4159	3885	3805	3720	3534	3315	3065	2599	1368	935	502				
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								
		1107	0.50	18.0	4159	3885	3805	3720	3534	3315	3065	2599	1368	935	502				
SB-2H20-5	1/2	1221	0.60	20	4587	4339	4277	4203	4049	3873	3675	3333	2514	1456	1064				
		1168	0.75	20	5974	5466	5371	5275	5090	4861	4527								
		1241	0.90	22	6348	5853	5764	5674	5496	5325	5053	4479							
SB-2L20-7	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			
		1168	0.75	20	5974	5466	5371	5275	5090	4861	4527								

Performance certified is for Model SB 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.

SB-24 Belt Drive



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	1½	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					
SB-3L24-10	1	1330	0.90	24	6937	6650	6576	6496	6337	6174	6007	5721	5195	4494	3495					
		1061	1.00	25	8354	7902	7778	7651	7392	7016	6588	5914								
SB-3H24-10	1	1127	1.20	27	8873	8454	8337	8220	7977	7686	7321	6668	5569							
		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				

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

Performance certified is for Model SB 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.

SB-30 Belt Drive



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													CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.
		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	1½	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	1½	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		

Performance certified is for Model SB 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.

SB-36 Belt Drive



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	1½	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	1½	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		

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

Performance certified is for Model SB 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.

SB-42 Belt Drive



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										
SB-1L42-5	1/2	369	0.40	12.6	12744	10191	9283										
		316	0.50	12.0	14726	11363	10252										
SB-1H42-5	1/2	335	0.60	13.0	15612	12415	11671	10248									
		400	0.51	14.7	13814	11527	10841	9931									
SB-1L42-7	3/4	426	0.61	16.3	14712	12605	11980	11333									
		362	0.75	14.5	16870	13939	13189	12422									
SB-1H42-7	3/4	385	0.92	15.8	17942	15273	14451	13804	11298								
		460	0.78	18.5	15887	13987	13420	12834	11361								
SB-1L42-10	1	482	0.90	20	16646	14868	14327	13784	12592	10507							
		398	1.00	16.8	18548	16016	15189	14528	12837								
SB-1H42-10	1	424	1.21	18.8	19759	17478	16705	15953	14777								
		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	1½	456	1.50	21	21251	19152	18532	17809	16577	15188							
		484	1.80	23	22555	20599	20064	19420	18117	17086	15458						
SB-2H42-15	1½	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			
SB-3L42-50	5	800	3.60	31	24197	23301	23090	22883	22471	22059	21605	20878	19377	17765	15725		
		714	5.02	30	30512	29274	28964	28655	28028	27360	26666	25424	23169	19687			
SB-3H42-50	5	762	6.01	33	32563	31403	31113	30823	30243	29634	29008	27942	25934	23434			
		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	

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

Performance certified is for Model SB 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 - 355 H - 429			Max Motor Frame Size - 145T						TS = RPM x 12.566						
SB-1L48-5	1/2	231	0.31	8.6	14885												CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.
		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									
SB-1L48-7	3/4	341	0.61	12.3	17349	14214	13047	11371									
		305	0.76	11.8	19653	16196	14706	12401									
SB-1H48-7	3/4	324	0.91	13.0	20877	17700	16601	14948									
		368	0.76	13.6	18723	15953	15022	13860									
SB-1L48-10	1	393	0.93	15.5	19995	17450	16655	15783	13052								
		335	1.00	13.7	21586	18559	17626	16200									
SB-1H48-10	1	355	1.20	15.4	22875	20096	19220	18193	14778								
		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	1½	384	1.51	17.9	24744	22197	21482	20668	18419								
		407	1.80	18.9	26226	23841	23203	22474	20720	17923							
SB-2H48-15	1½	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	7½	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	7½	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	

Performance certified is for Model SB 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.

SB-54 Belt Drive



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 - 343 H - 377			Max Motor Frame Size - 145T						TS = RPM x 13.135						
SB-1L54-7	3/4	224	0.51	10.7	19676	12031											CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.
		257	0.77	12.0	22575	17498	14789										
		272	0.92	12.7	23892	19346	17418	14251									
SB-1H54-7	3/4	244	0.49	10.6	18660	13392											
		281	0.75	12.2	21490	17541	16040										
		299	0.91	13.4	22867	19233	18136	16425									
SB-1L54-10	1	283	1.03	13.3	24859	20604	19008	16462									
		300	1.21	14.1	26352	22515	21155	19430									
SB-1H54-10	1	310	1.01	14.0	23708	20252	19215	17828									
		329	1.21	15.6	25161	21986	21010	20033									
SB-1L54-15	1½	325	1.56	16.5	28548	25088	24008	22726	18692								
		343	1.83	17.3	30129	26851	26014	24825	21850	16537							
SB-1H54-15	1½	355	1.52	17.4	27149	24310	23414	22509	20237								
		377	1.82	19.0	28832	26243	25408	24557	22802	19924							
Level 2 Performance		Max RPM L - 508 H - 562			Max Motor Frame Size - 184T						TS = RPM x 13.135						
SB-2L54-15	1½	325	1.56	16.5	28548	25088	24008	22726	18692								
		343	1.81	17.3	30129	26851	26014	24825	21850								
SB-2H54-15	1½	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	7½	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	7½	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	

Performance certified is for Model SB 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-24-30 Belt Drive

Cast Aluminum



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										CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.
		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	1½	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	1½	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			

Performance certified is for Model SBC 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



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	1½	435	0.99	18.5	21897	17413	15801											CFM values shown in black are the most efficient selections. Values shown in gray are not recommended.
		500	1.51	23	25169	21295	20354	19165										
		531	1.80	24	26730	23117	22183	21212										
SBC-3H48-15	1½	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	7½	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	7½	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	7½	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	7½	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		

Performance certified is for Model SBC 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



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											
		488	3.00	30	37564	34371	33650	32779	30979	28994	26657	21643									
SBC-3H60-30	3	519	3.61	32	39950	36909	36232	35520	33845	32059	30140	26478									
		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							
		530	7.53	41	52842	49807	49049	48296	46801	45306	42821	37434									
SBC-3L60-75	7½	563	9.03	46	56133	53276	52561	51847	50438	49031	47623	43088	34085								
		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								
		729	10.01	57	56115	53782	53238	52756	51791	50827	49796	48006	44851	41263	36767						
SBC-3H60-100	10	775	12.02	63	59656	57462	56913	56439	55532	54624	53717	52131	49309	46183	42537	31181					
		278	2.00	19.3	41857	28605	23878	19635													
		319	3.03	24	48030	37936	33936	29771													
SBC-3H72-30	3	338	3.60	27	50891	41519	38276	34437	26696												
		381	1.99	28	40824	35815	34566	33074	29443	24659											
		438	3.02	34	46931	42584	41485	40398	37929	34824	31069	23783									
SBC-3H72-50	5	465	3.61	37	49824	45755	44693	43669	41527	39012	35800	29847									
		378	5.04	33	56913	48882	46438	43660	36768	29874											
		401	6.01	37	60376	53221	50620	48457	42331	35746	29279										
SBC-3L72-50	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								
		432	7.52	41	65043	58947	56432	54138	49416	43402	37327										
SBC-3L72-75	7½	459	9.02	45	69109	63324	61492	59114	55204	49816	44056	35555									
		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									
		653	10.00	69	69968	67229	66464	65699	64169	62660	61202	59001	54465	48597	41207						
SBC-3H72-100	10	694	12.00	77	74361	71806	71103	70384	68944	67504	66111	64053	60168	55291	49391						
		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					

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

Performance certified is for Model SBC 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.

Belt Drive

Belt driven, axial type sidewall fans shall be provided as follows:

Propellers shall be constructed with fabricated steel, fabricated aluminum, or cast aluminum blades and hubs. Propellers shall be securely attached to fan shafts. All propellers shall be statically and dynamically balanced to AMCA Standard 204-05.

Motors shall be permanently lubricated, heavy duty type, carefully matched to the fan load and furnished at the specified voltage, phase, and enclosure.

Ground and polished steel fan shafts shall be mounted in permanently lubricated, sealed ball bearing pillow blocks and coated with an anti-corrosive coating.

Bearings shall be selected for a minimum L_{10} life in excess of 100,000 hours (L_{50} average life of 500,000 hours) at maximum cataloged operating speeds.

Drives shall be sized for a minimum of 150% of driven horsepower. Pulleys shall be of the fully machined cast iron type, keyed and securely attached to wheel and motor shafts. Motor sheaves shall be adjustable for system balancing.

Drive frame and panel assemblies shall be galvanized steel or painted steel. Drive frames shall be formed channels and fan panels shall have prepunched mounting holes, formed flanges, and a deep formed inlet venturi. Drive frames and panels shall be bolted construction or welded construction (level 3 fans only).

The axial exhaust or supply fans shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.

Fans shall be Model SB and SBC as manufactured by Greenheck Fan Corporation, Schofield, Wisconsin, U.S.A.

Reversible Belt Drive

Belt driven, axial type sidewall fans shall be provided as follows:

Propellers shall be constructed with cast aluminum blades and hubs. Propellers shall be securely attached to fan shafts. All propellers shall be statically and dynamically balanced to AMCA Standard 204-05.

Motors shall be permanently lubricated, heavy duty type, carefully matched to the fan load and furnished at the specified voltage, phase, and enclosure.

Ground and polished steel fan shafts shall be mounted in permanently lubricated, sealed ball bearing pillow blocks, and coated with an anti-corrosive coating.

Bearings shall be selected for a minimum L_{10} life in excess of 100,000 hours (L_{50} average life of 500,000) at maximum cataloged operating speeds. Drives shall be sized for a minimum of 150% of driven horsepower.

Pulleys shall be of the fully machined cast iron type, keyed and securely attached to wheel and motor shafts. Motor sheaves shall be adjustable for system balancing.

Drive frame and panel assemblies shall be galvanized steel or painted steel. Drive frames shall be formed channels and fan panels shall have prepunched mounting holes, formed flanges, and a deep formed double inlet venturi. Drive frames and panels shall be bolted construction or welded construction.

The axial exhaust or supply fans shall be tested in accordance AMCA Standard 301 for Sound and Air Performance.

Fans shall be Model SBCR as manufactured by Greenheck Fan Corporation, Schofield, Wisconsin, U.S.A.

Direct Drive

Direct drive, axial type sidewall fans shall be provided as follows:

Propellers shall be constructed with fabricated steel, fabricated aluminum, or cast aluminum blades and hubs. A standard square key and set screw or tapered bushing shall lock the propeller to the motor shaft. All propellers shall be statically and dynamically balanced to AMCA Standard 204-05.

Motors shall be permanently lubricated, heavy duty type, carefully matched to the fan load and furnished at the specified RPM, voltage, phase, and enclosure.

Motor drive frame assemblies and fan panels shall be galvanized steel or painted steel. Drive frame assemblies shall be welded wire or formed channels and fan panels shall have prepunched mounting holes, formed flanges, and a deep formed inlet venturi. Drive frames and panels shall be bolted construction or welded construction (level 2 & 3 fans only).

The axial exhaust or supply fans shall bear the AMCA Certified Ratings Seals for Sound and Air Performance.

Fans shall be Model S1, S2 and SC3 as manufactured by Greenheck Fan Corporation, Schofield, Wisconsin, U.S.A.

Reversible Direct Drive

Direct drive, axial type sidewall fans shall be provided as follows:

Propellers shall be constructed with cast aluminum blades and hubs. A standard square key and set screw or tapered bushing shall lock the propeller to the motor shaft. All propellers shall be statically and dynamically balanced.

Motors shall be permanently lubricated, heavy duty type, carefully matched to the fan load and furnished at the specified RPM, voltage, phase, and enclosure.

Motor drive frame assemblies and fan panels shall be galvanized steel or painted steel. Drive frame assemblies shall be welded wire or formed channels and fan panels shall have prepunched mounting holes, formed flanges, and a deep formed double inlet venturi. Drive frames and panels shall be bolted construction or welded construction.

The axial exhaust or supply fans shall be tested in accordance AMCA Standard 301 for Sound and Air Performance.

Fans shall be Model SCR3 as manufactured by Greenheck Fan Corporation, Schofield, Wisconsin, U.S.A.



Vari-Green® Motor

Motor to be an electronic commutation (EC) motor specifically designed for fan applications. AC induction type motors are not acceptable. Examples of unacceptable motors are: Shaded Pole, Permanent Split Capacitor (PSC), Split Phase, Capacitor Start and 3 phase induction type motors. Motors shall be permanently lubricated with heavy-duty ball bearings to match the fan load and prewired to the specific voltage and phase. Internal motor circuitry shall convert AC power supplied to the fan to DC power to operate the motor. Motor shall be speed controllable down to 20% of full speed (80% turndown). Speed shall be controlled by either a potentiometer dial mounted on the motor or by a 0-10 VDC signal. Motor shall be a minimum of 85% efficient at all speeds.

Vari-Green® Control - Remote Dial

Remote Dial shall be a Vari-Green Control specifically designed to provide 0-10 volt DC signal to Greenheck's Vari-Green Motor.

Vari-Green Control - Two Speed

Two speed control shall be a Vari-Green Control specifically designed to allow the Vari-Green Motor to operate at two discrete speeds. Two speed control shall include two dials that may be set at any point between 0 and 10 volts DC and an integral transformer capable of reducing 115/208-240 volt AC power to 24 volt AC power.

Vari-Green Control – Indoor Air Quality – Temperature / Humidity

Control to be a packaged indoor air quality control designed to regulate fan speed based on level of temperature and/or relative humidity in a space. Control shall include a Proportional Integral Derivative (PID) feedback loop and shall have labeled terminal strips for easy wiring. Fan shall be direct drive including an electronic commutation (EC) Vari-Green Motor. Control package shall be Vari-Green Indoor Air Quality – Temperature / Humidity Control.

Vari-Green Control – Indoor Air Quality – VOC (Volatile Organic Compound)

Control to be a packaged indoor air quality control designed to regulate fan speed based on level of VOC concentration in a space. Control shall include a Proportional Integral Derivative (PID) feedback loop and shall have labeled terminal strips for easy wiring. Fan shall be direct drive including an electronic commutation (EC) Vari-Green Motor. Control package shall be Vari-Green Indoor Air Quality – VOC Control.

Vari-Green Control – Constant Pressure

Control to be a packaged constant pressure control designed to regulate fan speed based on demand. Control shall include a Proportional Integral Derivative (PID) feedback loop and shall have all components prewired to labeled terminal strips for easy wiring. System shall include the appropriate pressure tap and preset pressure transducer. Fan shall be direct drive including an electronic commutation (EC) Vari-Green Motor. Control package shall be Vari-Green Constant Pressure Control.

Indoor installations shall include pressure tap (duct or room) and control box with integral pressure transducer.

Outdoor installations shall include duct pressure tap, pressure transducer, and control box. Control box shall be prewired and in a NEMA-3R weather proof enclosure for mounting outdoors near the fan location.

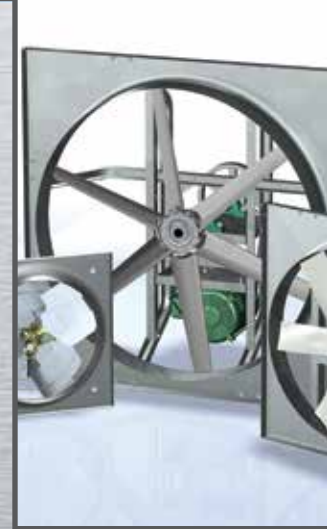


Enjoy Greenheck's extraordinary service, before, during and after the sale.

Greenheck offers added value to our wide selection of top performing, energy-efficient products by providing several unique Greenheck service programs.

- Our Quick Delivery Program ensures shipment of our in-stock products within 24 hours of placing your order. Our Quick Build made-to-order products can be produced in 1-3-5-10-15 or 25-day production cycles, depending upon their complexity.
- Greenheck's free Computer Aided Product Selection program (CAPS), rated by many as the best in the industry, helps you conveniently and efficiently select the right products for the challenge at hand.
- Greenheck has been Green for a long time! Our energy-saving products and ongoing corporate commitment to sustainability can help you qualify for LEED credits.
- Our 3D service allows you to download, at no charge, easy-to-use AutoDesk™ Revit™ 3D drawings for many of our ventilation products.

Find out more about these special Greenheck services at greenheck.com



Building Value in Air

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

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

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



Our Commitment

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

Specific Greenheck product warranties are located on greenheck.com within the product area tabs and in the Library under Warranties.



Prepared to Support Green Building Efforts

