



Extractores en Línea

Soluciones de Ventilación Mecánica

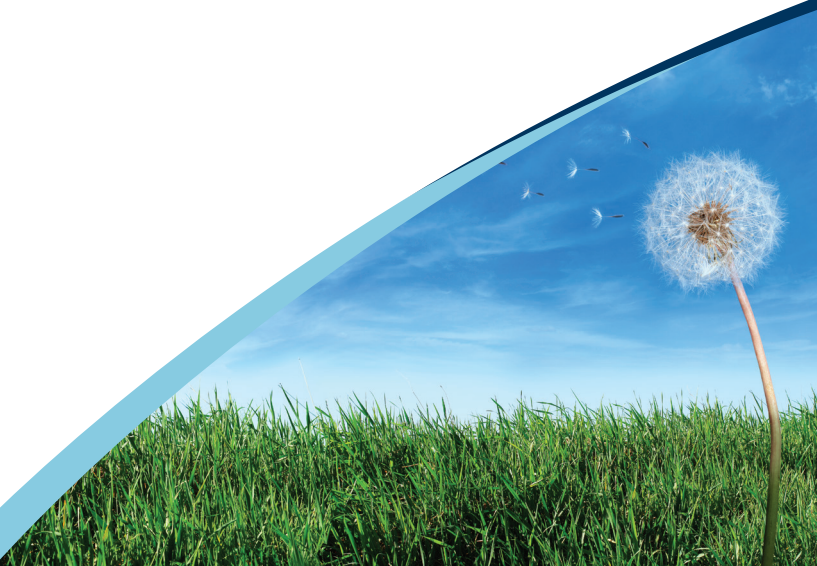
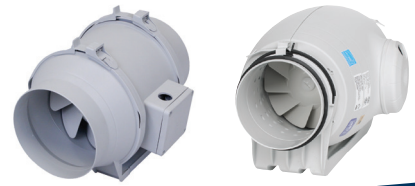
Extractor de Aire en Línea | Tamaño 100cfm - 3125cfm

Datos del Producto



Inline Fans Options

Featuring TD-MIXVENT/TD-SILENT



Advancing Ventilation

The World's Leading Producer of Air Movement Products

TD_0319
March 2019

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Overview TD-MIXVENT & TD-SILENT Series

Compact Size-TD Fans require minimum space

The S&P TD-MIXVENT & TD-SILENT series of in-line duct fans have been specially designed to maximize the airflow performance with minimal noise levels within the smallest and most compact of housing sizes. This makes the TD-MIXVENT & TD-SILENT series the ultimate solution for small to medium sized ventilation installations which require a high airflow to pressure ratio and occupy only the minimum space possible. Example: false ceiling voids, cabinets and many other limited space environments.

Easy to Install...fit and forget!

All the models in the TD-MIXVENT & TD-SILENT range have been designed with the professional contractor/engineer in mind. All models include a “removable body” feature that enables the motor-impeller assembly to be completely removed or replaced without the need to interfere with the attached ducting.



Multitude of features-high specification

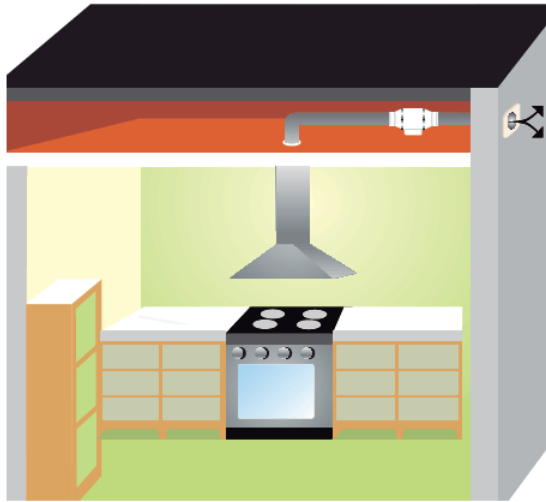
All models within the TD-MIXVENT & TD-SILENT range incorporate a powerful mixed flow impeller and internal air vanes located at the discharge end of the fan housing. This impeller and guide vane combination provides a smooth laminar air flow which in turn minimizes turbulence and noise, and generates an **excellent air flow to pressure performance ratio**.

Description

All of the TD-fans include the combination of a powerful motor, factory installed, to a mixed flow impeller. This motor and impeller combination enables the TD-fans to deliver high airflow performances with minimum noise generation against high static pressures typically found in ducted ventilation systems. The unique design of the support brackets, allows the motor and impeller assembly to be fitted or removed without dismantling the adjacent ducting and therefore, facilitating any installation or maintenance. The internal aerodynamic design of the TD-MIXVENT & TD-SILENT fans enable the units to generate large air volumes and pressures with the minimum of in-duct or radiated noise. The TD-fans offer the ideal in-line duct fan solution for a wide range of HVAC ventilation applications.

TD-MIXVENT & TD-SILENT Practical Installations

The TD-MIXVENT & TD-SILENT system offers the most versatile installation range on the market, as a result of its multiple combinations; it can be used in a large number of small and mid-range ventilation installations.



Domestic - Range Hood Exhaust



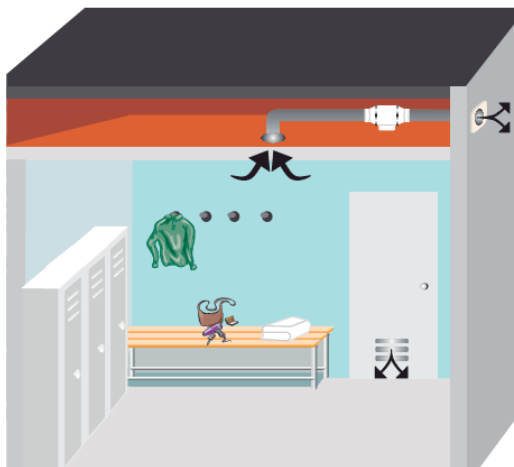
Commercial - Office



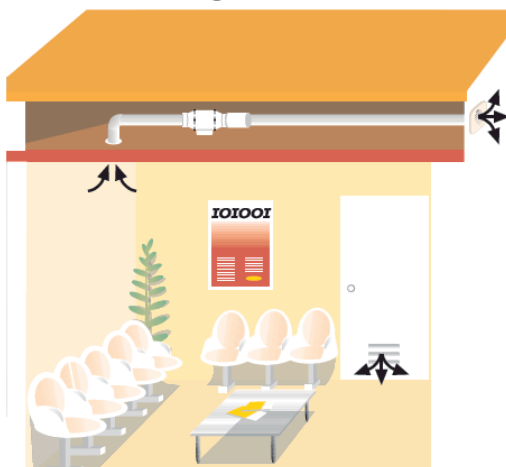
Industrial - Public Restroom



School - Dining Hall



Industrial - Locker Room



Health - Waiting Room

General Details of the TD-MIXVENT Range



Low profile mixed flow fans, manufactured in plastic material (up to model 200) or in **galvanized steel** sheet protected with Epoxy paint (models 200, 250, 315, 355, and 400), with external terminal box, removable motor-impeller assembly and adjustable single-phase motor, Class B, IP44.



Construction characteristics

	100	100x1	125	150	200	250	315	355	400
Polypropylene housing	•	•	•	•	•				
Steel housing with epoxy coating						•	•	•	•
ABS fan blades	•	•	•	•	•				
Aluminum fan blades						•	•	•	•
Thermal link via fuse	•								
Thermal link with automatic reset		•	•	•	•	•	•	•	•
Permanently lubricated ball bearings	•	•	•	•	•	•	•	•	•

The extensive range of the TD-MIXVENT series makes it an effective solution for a wide range of residential and light commercial ventilation installations.

TD-MIXVENT Installation & Maintenance

Low Profile



The low profile of the fans in the TD-MIXVENT range makes them the ideal product for installations with low height limits, such as the case of suspended ceilings.

Easy to Install

1



Secure the support.

2



Make the connections.

3



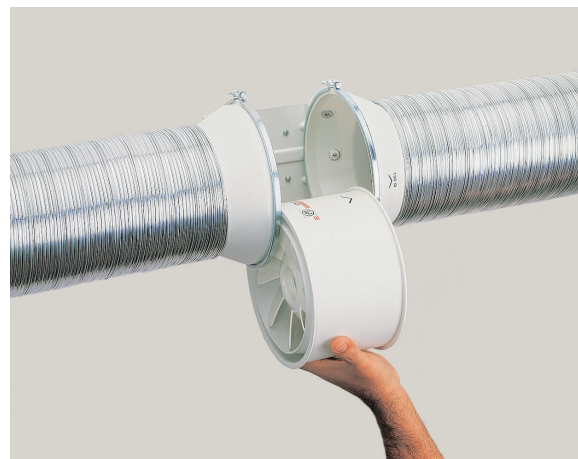
Connect the ducts.

Flexibility in Location



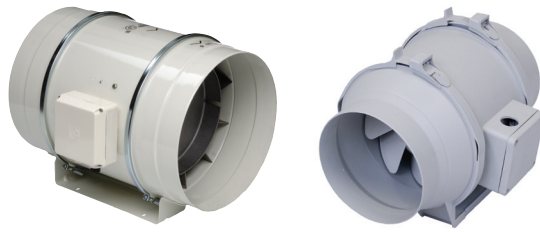
The fans can be connected at any point along the ventilation duct: along the duct or at the end.

Easy Maintenance



Removable body, for repair or cleaning, without the need to touch the ducts.

TD-MIXVENT Technical Specifications



Range

The TD-MIXVENT series consists of nine (9) nominal sized in-line fans. All models are specifically designed for direct connection in-line with industry standard diameter round ducting.

Construction

The TD-MIXVENT models 100, 100X1, 125, 150, and 200 are manufactured in tough reinforced plastic, models 250, 315, 355, and 400 have a metal casing and are finished in a tough epoxy-polyester paint coating. The TD fan duct connection flanges are manufactured from reinforced plastic, except for models 200, 250, 315, 355, and 400 which are constructed from epoxy-polyester coated metal.

Impellers

The impeller blades for models 100, 100X1, 125, 150, and 200 are molded in tough ABS plastic. Models 200, 250, 315, 355, and 400 are metal.

Long Life

Permanently lubricated motors are engineered for trouble-free continuous operation for 40,000 hours.

Motors

Models 100, 100X1 and 125 :

- Single-phase, 120V 60Hz, shaded pole (model 100), or permanent split capacitor (models 100X and 125). All motors include direct single speed connection and are also suitable for voltage speed control.
- Class II electrical insulation (model 100) & Class I (models 100X1 and 125)
- IP 44 Protection
- Safety auto reset Thermal Overload Protection (fuse type)
- Self-lubricating sleeve bearings.
- Sizes 100-125: Suitable for working airstreams up to 104° F (40C)

Models 150, 200, 250, 315, 355, and 400:

- Single-phase induction asynchronous motor, with permanent capacitor and external rotor constructed of die cast aluminum. Models 150, 200, 355 and 400 feature single speed, fully speed controllable motors. Models 250 and 315 include direct dual speed (LS/HS) connection motors and are also suitable for voltage speed control.
- Class I electrical insulation
- IP 44 Protection
- Thermal Overload Protection
- Sealed For Life, ball bearings
- Size 200: Suitable for working airstreams up to 104 deg F (40C)
- Sizes 150, 250-400: Suitable for working airstreams up to 140 deg F (60C)

Performance characteristics

Models 250 and 315 include a direct single speed motor connection.

Model	Nom. RPM	Volts	Max. Watts	Speed	CFM v Static Pressure (SP) Ins. WG							Max. SP	Max operating temp. (°F)	Wgt. (lbs)	Duct Dia. Ins.
					0"	0.125"	0.25"	0.375"	0.5"	0.75"	1.0"				
TD-100	2516	120	26	-	101	85	57	-	-	-	-	.4	104	4	4"
TD-100x1	2500	120	29	-	138	119	96	66	21	-	-	.45	104	6	4"
TD-125	2146	120	38	-	197	168	133	86	22	-	-	.55	104	6	5"
TD-150	2289	120	65	-	293	273	250	227	206	131	35	1.15	140	9	6"
TD-200	2781	120	184	-	538	495	458	418	367	190	10	1.625	104	13	8"
TD-250	2400	120	162	LS	541	475	418	355	295	218	170	2.03	140	21	10"
	3200	120	241	HS	754	715	680	640	606	520	405	2.53	140	21	10"
TD-315	2000	120	208	LS	751	670	545	420	285	190	130	1.62	140	31	12.4"
	2500	120	335	HS	1050	990	932	850	770	600	420	2.95	140	31	12.4"
TD-355	1536	120	522	-	2089	2013	1934	1855	1775	1591	1306	1.0	140	68	14"
TD-400	1559	120	916	-	3124	3032	2936	2836	2733	2505	2210	1.2	140	78	16"

Performance certified is for installation Type D: Ducted Inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances.

LS= Low Speed

HS = High Speed



S&P USA Ventilation Systems, LLC. certifies that all TD fan sizes shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.



TD-100x1, TD-125, 150, and 200 are ENERGY STAR® qualified.



The TD-MIXVENT Models 100, 100x1 and 150 are California Title 24 compliant and meet ASHRAE 62.2 when installed with a CVC and other TD models are compliant when installed with a 3 way switch and remotely mounted speed control.



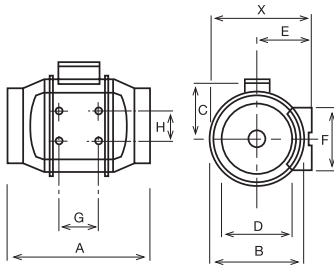
TD 250 & 315 are UL listed for outdoor use.

Sound characteristics

Fan sound levels are measured in sones. At this time there are no sone level test standards available through HVI due to the fact that remote mounted fan noise levels are in proportion to the following: type of duct, length of duct, fan distance from the intake source and other miscellaneous factors. However, it is generally accepted that remote mounted venting is usually quieter than standard (in room) venting.

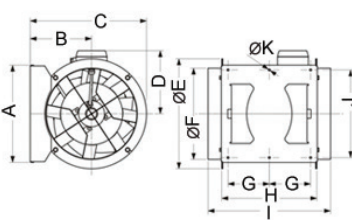
Dimensions (inches/mm)

Models 100-315



Model	X	A	B	C	D	E	F	G	H
TD-100	5 15/16 151	9 1/8 232	5 7/16 138	3 3/4 96	3 7/8 98	3 1/4 82	3 3/4 95	1 7/8 48	2 1/16 52
TD-100x1	7 3/8 188	11 15/16 303	6 15/16 176	4 1/2 115	3 13/16 97	3 15/16 100	3 9/16 90	3 1/8 80	2 3/8 60
TD-125	7 3/8 188	10 3/16 258	6 15/16 176	4 1/2 115	4 13/16 123	3 15/16 100	3 9/16 90	3 1/8 80	2 3/8 60
TD-150	8 3/8 212	11 5/8 295	7 7/8 200	5 127	5 13/16 147	4 7/16 112	5 1/8 130	3 1/8 80	2 3/8 60
TD-200	9 3/16 233	11 7/8 302	8 9/16 217	5 9/16 141	7 13/16 198	4 7/8 124	5 1/2 140	3 15/16 100	3 11/16 94
TD-250	11 7/16 291	15 3/16 386	10 11/16 272	7 9/16 192	9 3/4 248	6 1/8 155	6 5/8 168	5 11/16 145	5 1/2 140
TD-315	14 356	17 11/16 450	13 1/4 336	8 13/16 224	12 9/16 312	7 3/8 188	8 1/4 210	7 3/16 182	7 178

Models 355 - 400



Model	A	B	C	D	E	F	G	H	I	J	K
TD-355	14 13/16 376	9 3/8 238	17 3/4 451	8 13/16 224	16 3/4 425	13 15/16 354	6 5/16 160	14 1/2 368	18 11/16 475	13 3/8 340	5/16 8
TD-400	16 407	9 13/16 249	19 3/8 492	10 1/2 267	19 3/16 487	15 11/16 398	6 5/16 160	16 3/4 425	21 1/2 546	14 9/16 370	5/16 8

TD-MIXVENT KIT Bathroom Kits

If the strongest, quietest, bathroom exhaust system is what you seek...look no further. S&P offers the perfect solution with the most options. The TD-MIXVENT fan kits provide all the hardware needed to complete a simple in-line ducted ventilation installation. The kit includes a powerful TD in-line fan and exterior and interior grilles (with or without lights). Available in both Standard Exhaust Kits, for venting a single location, and Deluxe Exhaust Kits, for venting multiple locations with one fan.

The TD-MIXVENT fan kit is the ideal solution for any simple in-line ducted fan installation.

Standard Exhaust Kits



KIT-TD100

- 1 TD100 exhaust fan
- 1 plastic round grille (PG-100)
- 1 exterior louvered grille (PER-100W)
- Integral mounting bracket

KIT-TD100x1

- 1 TD100x1 exhaust fan
- 1 plastic round grille (PG-100)
- 1 exterior louvered grille (PER-100W)
- Integral mounting bracket

KIT-TD150

- 1 TD150 exhaust fan
- 1 plastic round grille (PG-150)
- 1 exterior louvered grille (PER-150W)
- Integral mounting bracket

Deluxe Exhaust Kits



KIT-TD150-DV

- 1 TD150 exhaust fan
- 2 plastic round grilles (PG-150)
- 1 exterior louvered grille (PER-150W)
- 1 Y-fitting (SY-6)
- Integral mounting bracket

IMPORTANT: If venting in an non-insulated attic space, or in a cold climate, insulated flexible duct is strongly recommended for condensation issues.

Lighted Standard Exhaust Kits



KIT-TD100X1L

- 1 TD100x1 exhaust fan
- 1 Vent Light with LED Bulb (VLED-100)
- Integral mounting bracket

KIT-TD100X1H

- 1 TD100x1 exhaust fan
- 1 Vent Light with Halogen Bulb (VLH-100)
- Integral mounting bracket

KIT-TD100X1F

- 1 TD100x1 exhaust fan
- 1 Vent Light with Fluorescent Bulb (VLF-100)
- Integral mounting bracket

Lighted Deluxe Exhaust Kits



KIT-TD150L

- 1 TD150 exhaust fan
- 2 Vent Lights with LED Bulb (VLED-100)
- 1 Y-fitting (SY44-6)
- Integral mounting bracket

KIT-TD150H

- 1 TD150 exhaust fan
- 2 Vent Lights with Halogen Bulb (VLH-100)
- 1 Y-fitting (SY44-6)
- Integral mounting bracket

KIT-TD150F

- 1 TD150 exhaust fan
- 2 Vent Lights with Fluorescent Bulb (VLF-100)
- 1 Y-fitting (SY44-6)
- Integral mounting bracket

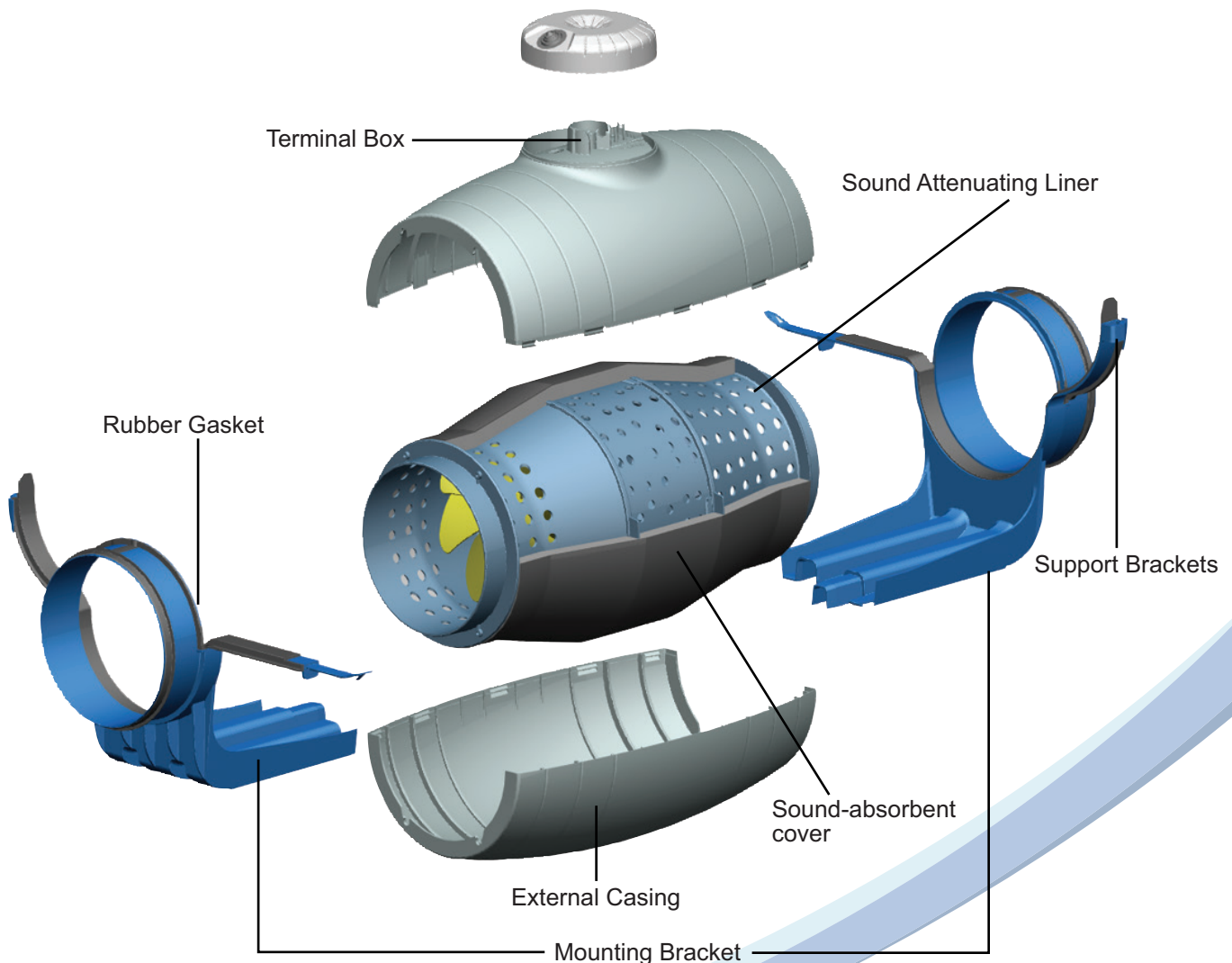
General Details of the TD-SILENT Range



As the name suggests these fans are extremely quiet, low profile “Mixed-flow” fans. Manufactured in plastic material with an external connection box, the body is easily dismantled with a full speed controllable, single speed motor. Sound waves are directed through the perforated inner skin and absorbed by a layer of sound-absorbent insulation. Plus the TD-SILENT is fitted with rubber gaskets on the inlet and outlet to absorb vibrations.

Construction characteristics

	125XS	150S	200S
Polypropylene housing	•	•	•
ABS fan blades	•	•	•
Thermal link with automatic reset	•	•	•
Permanently lubricated ball bearings	•	•	•



TD-SILENT Innovative Design Features

Low Profile



The low profile of the fans in the TD-SILENT range makes them the ideal product for installations with low height limits, such as the case of suspended ceilings.

Low Noise Levels



Sound waves produced inside the TD, are directed through the perforated inner skin and absorbed by the layer of sound-absorbent material.

Easy Maintenance



Bi-material support brackets, which in addition to simplifying installation, serve as joint seals.

Connection Box Rotates 360°



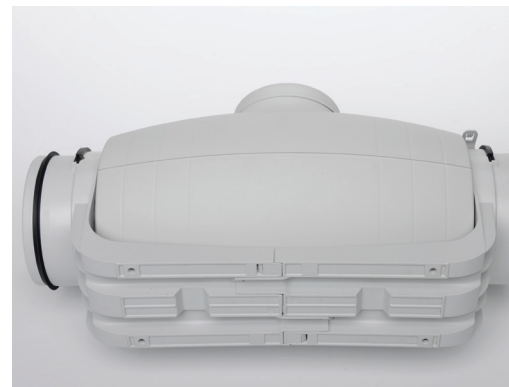
Connection box can be rotated 360°, to facilitate easy connection of the power cable.

Duct Air-Seals



Bi-material inlet and outlet incorporating a flexible washer to facilitate installation, absorb vibrations and provide a virtually **air-tight** seal.

Integral Mounting Bracket



Mounting bracket for installing on a wall or ceiling, incorporating twin-material support brackets for the motor section that absorbs vibration.

TD-SILENT Easy Installation

1



Loosen the clamps.

2



Open the clamps on both ends.

3



Remove the fan body.

4



Remove the terminal box lid.

5



Connect electrical supply.

6



Re-mount fan body by tightening the clamps.

TD-SILENT Technical Specifications

Warranty

Five (5) year limited warranty.

Range

The TD-SILENT consists of three (3) nominal sized in-line fans. All models are specifically designed for direct connection in-line with industry standard diameter round ducting.



Construction

The TD-SILENT models 125XS, 150S and 200S are manufactured in tough reinforced plastic. Sound waves are directed through the perforated inner skin and absorbed by a layer of sound-absorbent insulation. Plus the TD-SILENT is fitted with rubber gaskets on the inlet and outlet to absorb vibrations.

Long Life

Permanently lubricated motors are engineered for trouble-free continuous operation for 40,000 hours.

Impellers

The impeller blades are molded in tough ABS plastic.

Motors

Models 125XS:

Single-phase, 120V 60Hz, shaded pole induction asynchronous motor in die cast aluminum. All motors include direct single speed connection and are also suitable for voltage speed control.

- Class I electrical insulation
- IP 44 Protection
- Safety auto reset Thermal Overload Protection (fuse type)
- Self-lubricating sleeve bearings.
- Suitable for working airstreams up to 104 deg F (40°C)

Models 150S and 200S:

Single-phase induction asynchronous motor, with permanent capacitor and external rotor in die cast aluminum. All models include direct single speed connection and are also suitable for voltage speed control.

- Suitable for working airstreams up to 140° F (60°C).
- Class I electrical insulation
- IP 44 Protection
- Thermal Overload Protection
- Sealed For Life, ball bearings
- Sizes 200S: Suitable for working airstreams up to 104° F (40°C)
- Sizes 150S: Suitable for working airstreams up to 140° F (60°C)

Code Approval

- All models have been independently safety tested by Underwriters Laboratories, Inc. and are UL and cUL Listed.
- Independently tested for Airflow Performance.
- The TD product range is certified by the Home Ventilating Institute (HVI) for Air Performance.
- All models are ENERGY STAR® qualified.

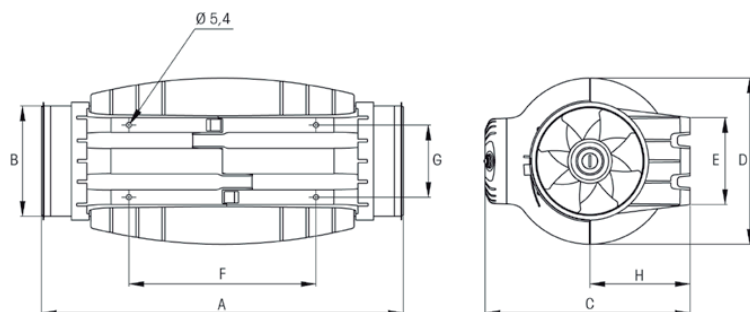
Air Performance

Model	Duct Dia. Ins.	Nom. RPM	Volts	Max. Watts	CFM v Static Pressure (SP) Ins. WG							Max. SP	Max operating temp. (°F)	Wgt. (lbs)
					0"	0.125"	0.25"	0.375"	0.5"	0.75"	1.0"			
TD-125XS	5"	2500	120	36	203	175	138	84	33	-	-	0.6	104	11.9
TD-150S	6"	2700	120	65	333	315	286	271	257	178	77	1.2	140	13.2
TD-200S	8"	2200	120	122	530	503	472	443	415	349	204	1.2	140	19.2



The TD-SILENT Models 125XS and 150S are California Title 24 compliant and meet ASHRAE 62.2 when installed with a CVC and other TD models are compliant when installed with a 3 way switch and remotely mounted speed control.

Dimensions (inches)



Model	A	B Ø	C	D Ø	E	F	G	H
TD-125XS	22 5/8	3 13/16	9 15/16	8 1/16	3 15/16	9 13/16	3 1/4	4 3/4
TD-150S	19 1/16	5 13/16	10 13/16	8 11/16	4 9/16	9 13/16	3 3/4	5 1/4
TD-200S	22 3/8	7 13/16	12 7/8	10 3/8	5 11/16	13 3/8	5 1/16	6 7/16

TD-MIXVENT & TD-SILENT Accessories

FT622 - ASHRAE 62.2 Bath Fan Ventilation Control



The FT622 is designed to replace bathroom fan and light switches and provide both functions with one easy operation. The FT622 delivers a precise amount of ventilation, and is a simple solution to meet ASHRAE 62.2 in conjunction with an S&P fan.

FT247 - Programmable Fan Timer



S&P offers the FT247 with easy programming for your bathroom fan ventilation needs. Simply set what time you want the fan to turn on and off and what day or days you want the fan to run.

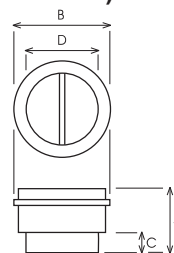


MCA

Backdraft dampers are installed at the fans' discharge. They prevent the entry of odors, air currents and prevent heat leaks when the exhauster is not in operation.

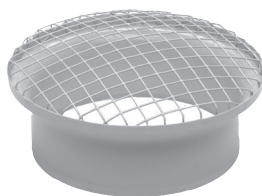
Model	Type TD
MCA-100	100
MCA-125	125
MCA-150	150
MCA-200	200
MCA-250	250
MCA-315	315

Dimensions (inches/mm)



MCA-100-315

Model	A	B	C	D
MCA-100	4 3/16 107	4 3/8 111	1 1/4 31	3 11/16 94
MCA-125	4 3/16 107	5 3/8 136	1 1/4 31	4 11/16 119
MCA-150	4 3/4 121	6 7/16 163	1 3/8 35	5 13/16 147
MCA-200	5 3/16 131	8 7/16 214	1 3/8 35	7 3/4 197
MCA-250	6 3/16 164	10 3/8 264	1 5/8 42	9 3/4 248
MCA-315	8 1/16 205	13 330	1 15/16 50	12 5/16 312



MRJ

Grilles fit on the suction and the discharge sides of the installation. They prevent the entry of foreign bodies which could damage the fan.

Model	Type TD
MRJ100	100
MRJ125	125
MRJ150	150
MRJ200	200
MRJ250	250



MBR

Flanges enable TD devices to connect in a series.

Model	Type TD
MBR-125	125
MBR-150	150
MBR-200	200
MBR-250	250

TD Bathroom Exhaust Grilles

Featuring Vent Lights and Premium Grilles

S&P's Grille Options give you the choice of seven (7) aesthetically pleasing grilles designed to match any bathroom decor. You can choose from our Vent Lights, Premium Grilles or Adjustable Grilles to fit your needs.

These grilles are designed to be used exclusively with one of S&P's TD remotely mounted inline for virtually silent bathroom ventilation. Inline fans give you the option to mount your grille over the shower, toilet, tub, or in multiple locations (dual vent).

With S&P's Grille Options the choice is yours!

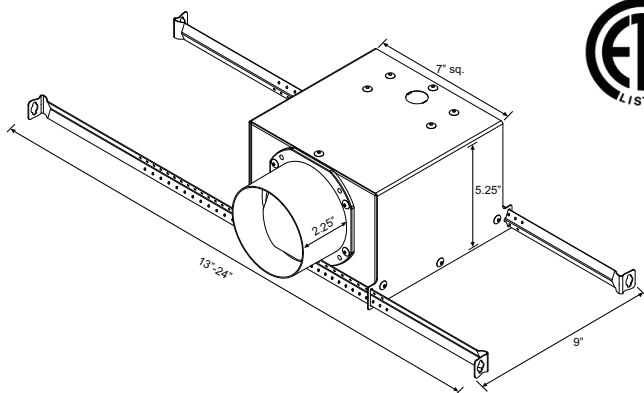
Vent Lights Available with LED Bulbs



S&P's new Vent Lights give you ventilation that is *"Out-of-Sight and Out-of-Mind"*! The Vent Lights appear to be a regular can light, and when combined with a remotely mounted fan, the noise and unsightly look of the traditional bathroom fan are gone! The Vent Lights are aesthetically pleasing grilles with lights that will match any bathroom decor.

Model	Description
VLED-100	Vent Light with PAR30 LED Bulb
VLH-100	Vent Light with PAR30 Halogen Bulb
VLF-100	Vent Light with Energy Star Rated Compact Fluorescent Bulb

Dimensions (inches)



Features:

- Longer duct collar for 4" duct
- Extendable hanger bars up to 24"
- 7.5" grille
- Built-in backdraft damper
- 3 bulb options

Why Choose the Vent Light with LED Bulbs?

S&P's respect for the environment extends to its Vent Lights with the optional LED Bulb. The benefits to the LED Bulbs include:

- Built to last a minimum of 60,000 hours, plus the LED's use a fraction of the energy that a traditional incandescent or halogen lamp uses
- LED's contain no mercury so they are easy to dispose of, unlike other energy efficient bulbs
- The LED lamps run cool and are shock resistant, making them safer for use in your home

Premium Grilles

PG



S&P's premium grilles come standard with steel collars for easy mounting and installation.

Model	Description
PG-100	4" Plastic Grille with 4" Steel Collar
PG-150	6" Plastic Grille with 6" Steel Collar

Grille Dimensions (in inches)



Grille	Dia.	Height	Fits Duct Dia.	Fits Collars
PG-150G	8 1/8	1 5/8	6"	PG-150D
PG-100G	4 5/8	1 1/2	4"	PG-100D

Collar Dimensions (in inches)



Collar	Diameter	Length
PG-100D	3 3/4	3 1/4
PG-150D	5 3/4	4 5/8

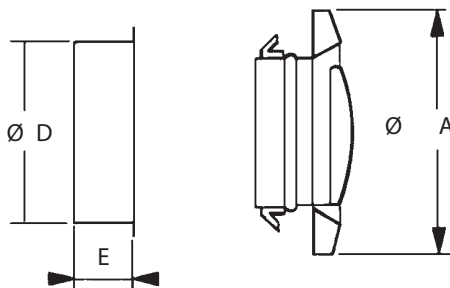
PG Collar

Adjustable Grilles

BOR/BOC



Exhaust grilles for bathrooms, toilets and other small rooms. All models offer an adjustable central valve to regulate the airflow.



Model	A	D	E	Weight (lbs)
BOR/BOC-100	145	100	50	1
BOR/BOC-125	145	125	50	1
BOR/BOC-150	204	160	50	1
BOR/BOC-200	244	200	50	1

Additional general assembly accessories



BOR/BOC
Round plastic/metal
adjustable grille



MBR
Connection Flanges



FB
Filtering Box



PER-W
Plastic louver shutter



PER
High pressure aluminum
louver shutter



GRA
Aluminum exterior
fixed grilles



SR
Reducer



SY
Y sheet metal adapter

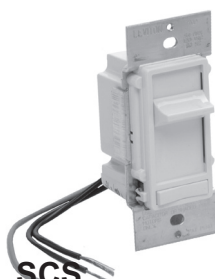


SIL
Acoustic attenuators

Electrical accessories



EPBT
Electronic push button timer



SCS
Speed control slide type



SC
Speed control

Mixed Flow Fans vs. Axial & Centrifugal Fans

Axial Fans

- Low noise levels
- High air volumes
- Very little static pressure capability*

Noise Level

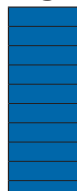
High



Low

Air Volume

High



Low

Static Pressure

High

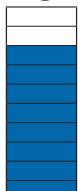


Low

Centrifugal Fans

- Higher noise levels
- Lower air volumes
- Very high static pressure capability*

High



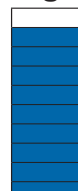
Low

High



Low

High



Low

Mixed Flow Fans**

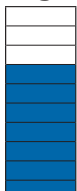
- Low noise levels
- High air volumes
- Significant static pressure capability*

High



Low

High



Low

High



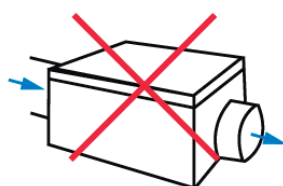
Low



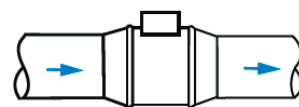
Classic Centrifugal



In-line Centrifugal



Ventilation Box



S&P's TD Fan

*Static pressure is the ability of the fan to overcome resistance such as long or complicated duct runs.

Mixed flow fans (TD series) offer the best of both axial and centrifugal fans and are suitable for most air movement applications. S&P's **TD-MIXVENT & TD-SILENT Series has all the benefits of a mixed flow fan, plus it requires minimal space and it is easy to install.

PRF - Radon Mitigation Fans



PRF-100



PRF-150

Application

PRF fans are specifically designed for radon mitigation.

Specifications

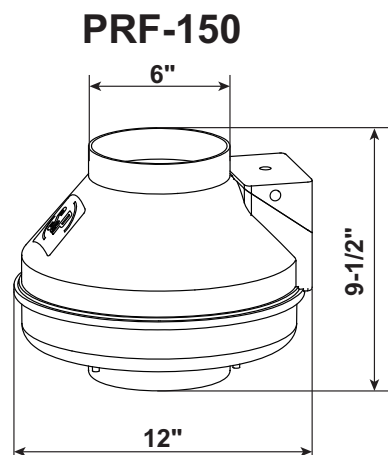
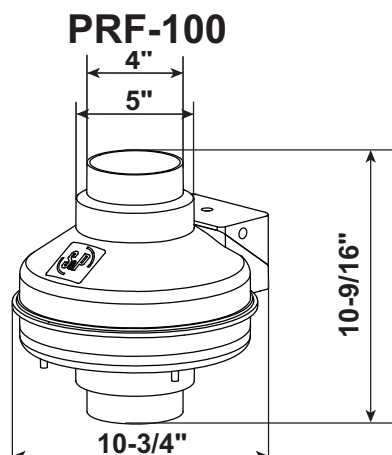
- Duct connections sized for easy fit with standard PVC couplings typically used in radon mitigation applications
- Totally Enclosed Air Over
- Fully sealed, high quality plastic housing
- Large, easily accessible, watertight electrical box for unobstructed wiring process
- Easily mount on duct pipe or use heavy-duty metal mounting bracket (sold separately)
- Significantly less expensive than comparable alternatives
- Thermal overload protection
- HVI Certified Performance
- cETLus certified



PRF Performance

Model	Size	Electrical	Power (W)	Current (A)	CFM @ SP				RPM
					0.00	0.25	0.50	1.00	
PRF-100	4"	1/60/120V	91	0.77	169	147	126	82	3080
PRF-150	6"	1/60/120V	135	1.15	321	287	254	193	2890

Dimensions



Radon Installation Kits

Kits include two flexible white couplings with stainless steel hose clamps, a U-tube manometer, and radon system labels. The U-tube manometer (PR-M) is available to purchase separately.



Kit	Used with Model	PVC pipe size
PRFIK-43	PRF-100	3"
PRFIK-44	PRF-100	4"
PRFIK-64	PRF-150	4"

Also Available from S&P

PV-POWERVENT Fans



MODEL FEATURES

- Exhaust air up to 942 CFM with static pressure capabilities to 1.5" w.g.
- Galvanized steel casing with black backed enamel coating
- Pre-wired junction box
- Ideal for applications where space is limited
- Non-overloading backward inclined wheel for efficiency at higher static pressures
- AMCA Seal for Air Performance
- cULus Listed, Standard 507 & 705

Air Performance

Model No.	Nom. RPM	Volts	Max. Watts	CFM v Static Pressure (SP) Ins. WG									Max. SP	Duct Dia. Ins.
				0"	0.125"	0.25"	0.375"	0.5"	0.75"	1.0"	1.25"	1.5"		
PV-100	1400	115	57	108	100	92	85	78	66	52	33	18	1.70	4"
PV-100x	2880	115	84	153	142	130	120	111	96	80	63	34	1.85	4"
PV-125	2350	115	58	128	104	85	74	63	47	32	15	-	1.43	5"
PV-125x	2745	115	85	206	190	170	153	135	110	88	62	33	1.77	5"
PV-150x	2750	115	135	390	367	340	312	285	233	193	153	110	2.05	6"
PV-200	3100	115	130	402	375	350	327	296	239	179	135	85	1.94	8"
PV-200x	2930	115	180	544	515	485	446	415	360	312	273	230	2.64	8"
PV-250	3000	115	170	568	533	502	471	440	370	312	263	221	2.61	10"
PV-250x	3045	115	214	618	595	570	540	510	450	390	340	297	2.80	10"
PV-315	2920	115	200	669	640	610	581	552	489	427	368	309	2.21	12.4"
PV-315x	2730	115	365	943	903	860	815	766	628	511	440	389	3.9	12.4"



S&P USA Ventilation Systems, LLC. certifies that the PV range shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

Performance certified is for installation type D-Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Speed (RPM or RPS) shown is nominal. Performance is based on actual speed of test.

SWF-SIDEWALL Fan



MODEL FEATURES

- Exhaust air up to 416 CFM with static pressure capabilities to 1.5" w.g.
- Galvanized steel casing with black backed enamel coating
- Pre-wired junction box
- Ideal for applications where space is limited
- Non-overloading backward inclined wheel for efficiency at higher static pressures
- cULus Listed

Air Performance

Model	RPM	Volts	Fre-quency	Current	Watts	CFM vs. Static Pressure (SP) Ins. WG								
						0"	0.125"	0.25"	0.375"	0.5"	0.75"	1.0"	1.25"	1.5"
SWF-100	2200	120	60 Hz	0.52 A	57	119	106	92	78	64	44	26	-	-
SWF-100X	2600	120	60 Hz	0.8 A	90	171	162	152	142	118	90	66	46	28
SWF-150	2600	120	60 Hz	0.8 A	90	235	221	197	181	168	122	81	60	27
SWF-150X	2800	120	60 Hz	1.0 A	115	354	332	310	287	266	230	192	147	96
SWF-200	2800	120	60 Hz	1.0 A	115	416	395	368	341	324	287	233	184	132





Extractores Cuadrados

Soluciones de Ventilación Mecánica

Extractor de Aire en Línea Cuadrado | Tamaño 7 - 42

Datos del Producto





Model SQB

Inline Centrifugal Fan



MODEL FEATURES

- Exhaust air up to 24,000 CFM in high static pressure applications up to 3-1/2" w.g.
- Belt drives permit easy performance adjustments when needed
- Ideal for applications where space is limited
- Non-overloading backward inclined wheel for efficiency at higher static pressures
- AMCA Air and Sound Licensed
- cULus 705 Listed

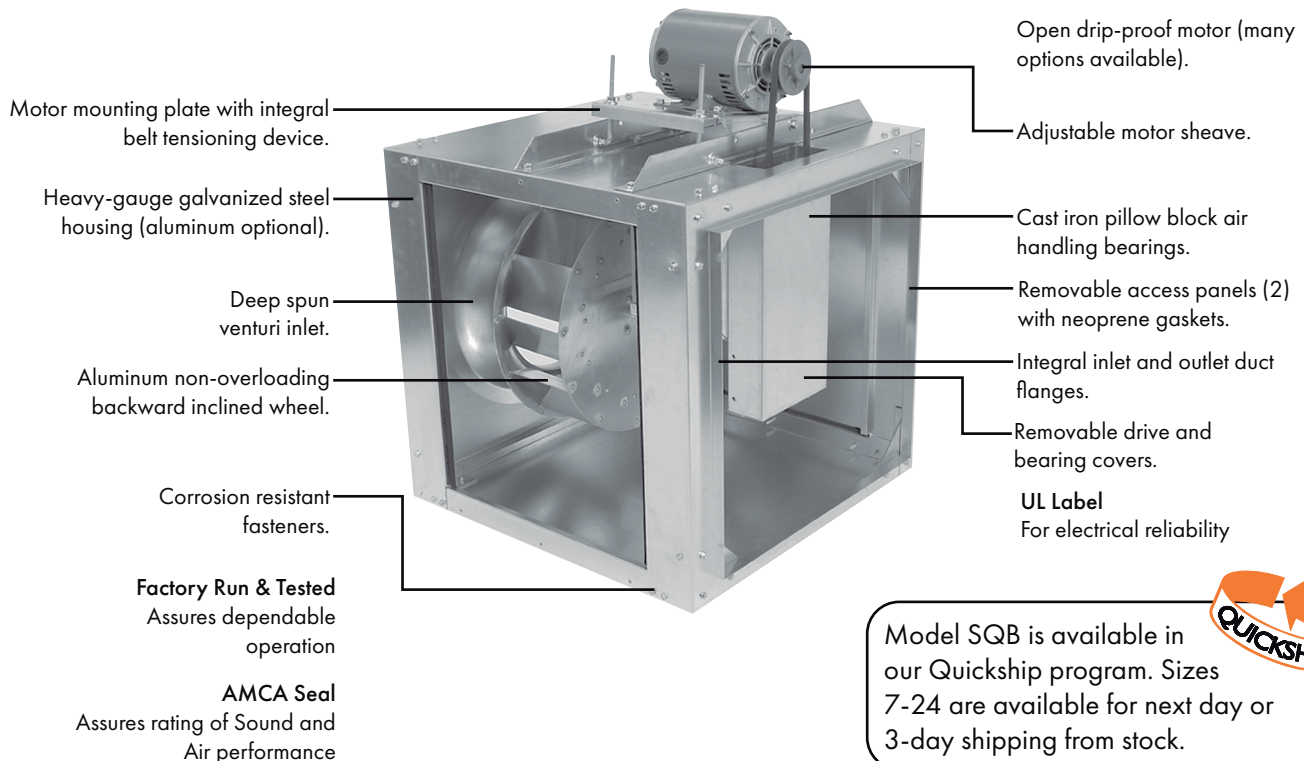
APPLICATION CONSTRUCTION OPTIONS

MODEL NAME	TYPICAL APPLICATIONS
SQB	Removal of clean air in general applications
SQBHP	High Pressure version of SQB

MODEL OVERVIEW

Model SQB fans are available in sizes 7 through 42, moving from 100 to over 24,000 CFM, with high static pressure capabilities to 3-1/2". SQB units are the perfect selection for clean air applications where space is a leading consideration. The compact housing, with removable access doors (2), can be mounted in any orientation.

CONSTRUCTION FEATURES AND OPTIONS



CONSTRUCTION/SPECIFICATION CHECKLIST

Blower/Housing

- Aluminum, non-overloading, backward inclined centrifugal wheel statically and dynamically balanced.
- Deep spun venturi inlet.
- Heavy-gauge galvanized steel housing.
- Integral inlet and outlet duct collars.
- Universal mounting - horizontal, vertical, or any angle.
- Motors and drives out of the airstream.
- Removable drive and bearing covers for easy access.
- Easy access to interior of unit with removable side panels (two per unit) with closed cell neoprene gasketing.
- Motor, drives, wheel, shaft, and bearings removable from unit without disconnecting duct.
- Motor mount plate with integral belt tensioning device.

Shaft and Bearings

- Precision turned, ground, and polished steel fan shaft and keyed.
- Self aligning cast iron air handling pillow block bearings with re-lube fitting, double sealed and pre-lubricated, designed for 200,000 hour life, L50.

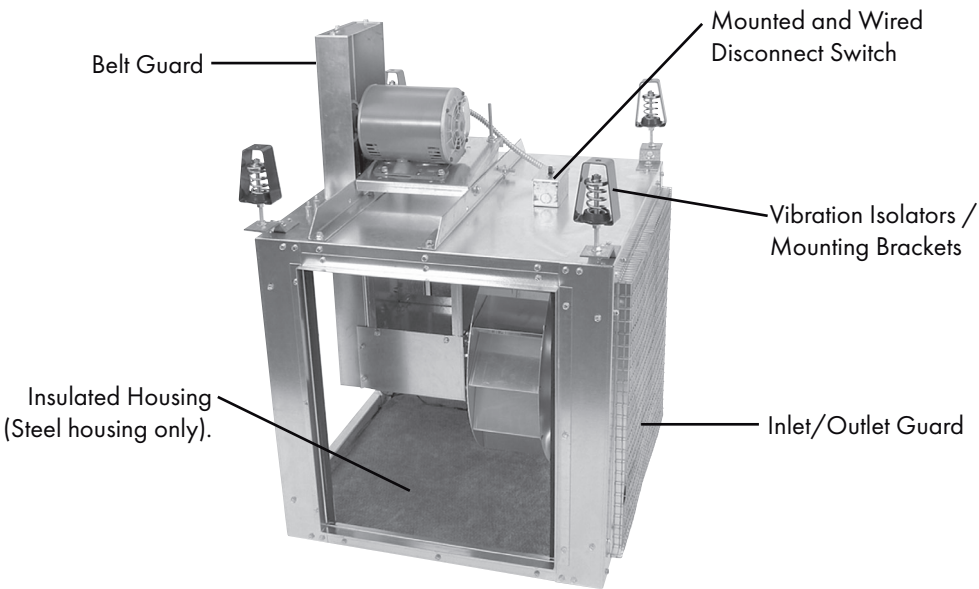
Motor and Drives

- Permanently sealed ball bearing type motor furnished to the specified voltage, phase, and enclosure.
- Open drip-proof is standard. Two speed, totally enclosed, and explosion proof motors can be specified for most models.
- Drives are specified for a minimum of 150% of driven horsepower. Cast iron motor pulleys are factory set to the required RPM and are adjustable for final system balancing.
- Disconnect switch standard on single speed drip-proof and totally enclosed motors.

Certifications

- AMCA - the AMCA Seal on all units assures certified rating of air and sound performance.
- cULus - most models are available as listed by Underwriters Laboratories under Standard 705 when specified.

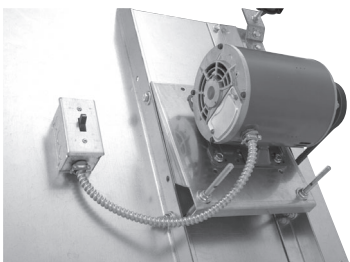
OPTIONS/ACCESSORIES



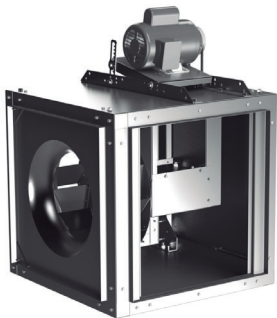
External Grease Fittings



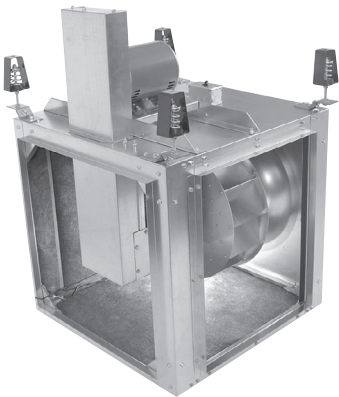
Mounted and Wired Disconnect



Side Discharge



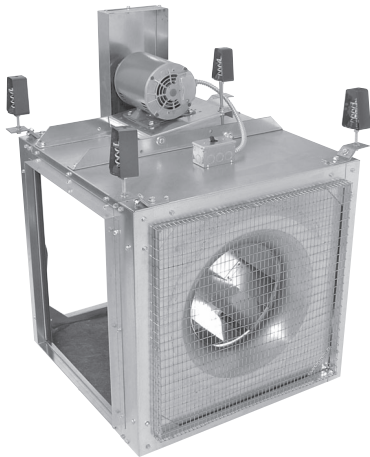
Belt Guard



Motor Cover



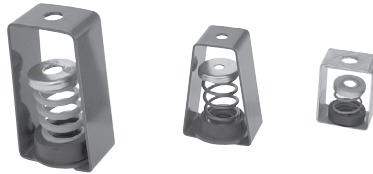
Inlet/Outlet Guard



Hanging Bracket/Mounting Foot
with Hanging Spring Isolator



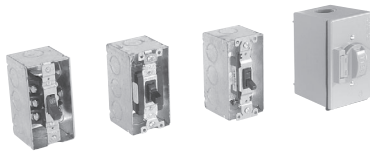
Hanging Spring Isolators



Hanging Rubber in Shear Isolators



Assorted Disconnects



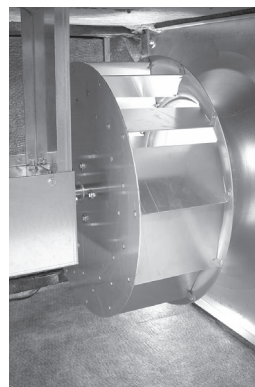
Heavy-duty Disconnect



Backdraft Damper



Insulated Housing

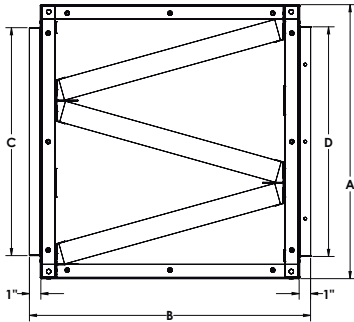


FILTER BOX OPTIONS



Features

- Designed for use with SQB Fans
- Designed to handle 1" or 2" filters
- Galvanized or aluminum construction up to size 24
- Galvanized construction sizes 30-42
- Standard filter is washable aluminum
- MERV 7 (1") or MERV 8 (2") disposable pleated filters available by special quote
- Removable side panels for easy access to filters



Dimensions - Filter Box with 1" Aluminum Filters

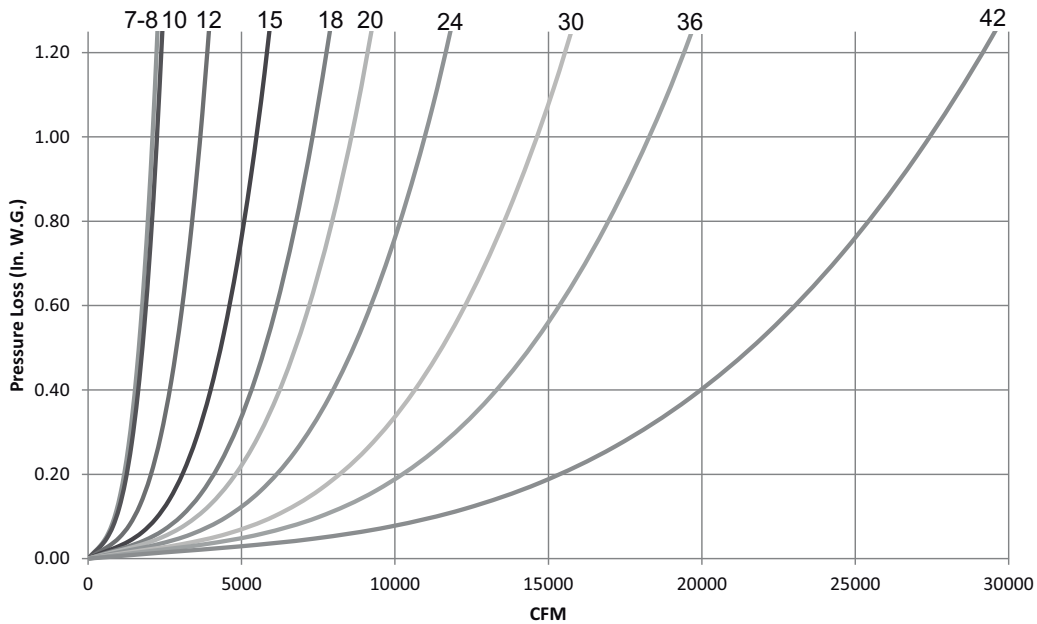
Fan Size	Filter Box Dimensions				Avg. Ship Wgt. (lbs)		No. of Filters	1" Filter Nominal Size
	A	B	C	D	Galv.	Alum.		
07-08	25	25	11-7/8	12	28	15	2	15x20x1
10	18	24-1/2	13-7/8	14	35	17	2	16x20x1
12	22	29-1/8	17-7/8	18	48	24	2	20x25x1
15	24	24-5/8	21-7/8	22	47	23	3	20x25x1
18	28	24-5/8	23-7/8	24	62	31	4	20x25x1
20	32	29-1/8	27-7/8	28	72	36	6	16x25x1
24	39	29-1/8	34-7/8	35	96	47	6	20x25x1
30	44	30-3/8	39-7/8	40	131	-	8	20x25x1
36	52	27-1/8	47-7/8	48	149	-	10	20x25x1
42	58	32-1/8	53-7/8	54	180	-	15	20x25x1

Dimensions - Filter Box with 2" Aluminum Filters

Fan Size	Filter Box Dimensions				Avg. Ship Wgt. (lbs)		No. of Filters	2" Filter Nominal Size
	A	B	C	D	Galv.	Alum.		
07-08	25	25	11-7/8	12	29	16	2	15x20x2
10	18	24-1/2	13-7/8	14	37	19	2	16x20x2
12	22	29-1/8	17-7/8	18	50	26	2	20x25x2
15	24	24-5/8	21-7/8	22	49	25	3	20x25x2
18	28	24-5/8	23-7/8	24	65	34	4	20x25x2
20	32	29-1/8	27-7/8	28	75	39	6	16x25x2
24	39	29-1/8	34-7/8	35	100	51	6	20x25x2
30	44	30-3/8	39-7/8	40	135	-	8	20x25x2
36	52	27-1/8	47-7/8	48	154	-	10	20x25x2
42	58	32-1/8	53-7/8	54	185	-	15	20x25x2

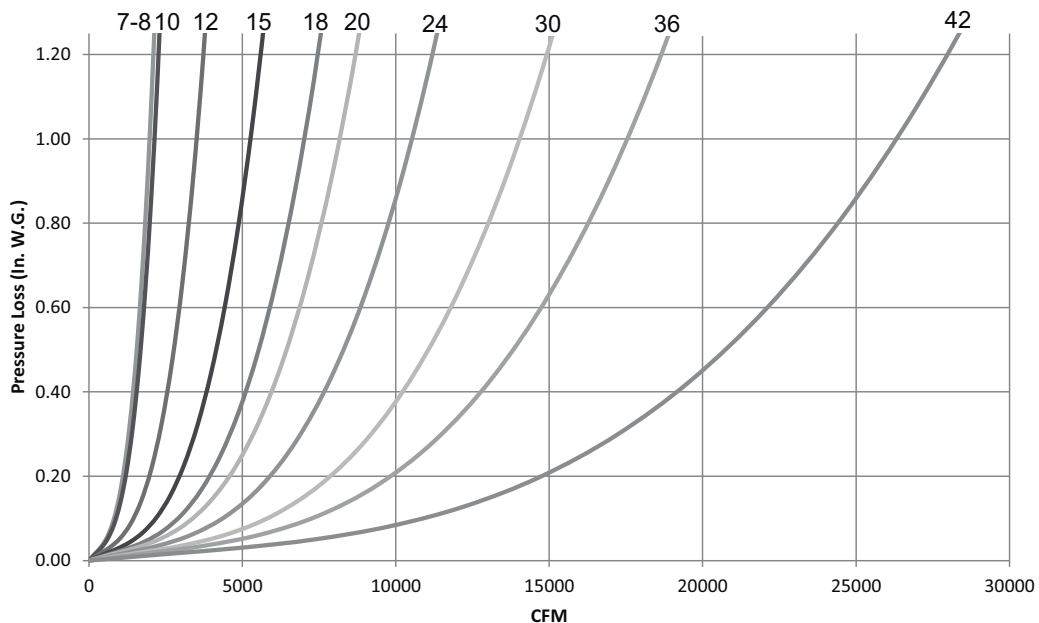
PRESSURE LOSS GUIDE FOR 1" FILTER BOX

Use the estimated pressure drop graphs to help select the proper fan that will deliver the desired airflow. Enter the graph from the bottom at the specified CFM and move vertically upward to the fan curve for the desired size, then horizontally to the left and read the estimated static pressure drop resulting from these typical accessory packages. Add the accessory pressure loss to the system (or building) design static pressure loss to obtain the total static pressure loss to be used for the proper fan selection.

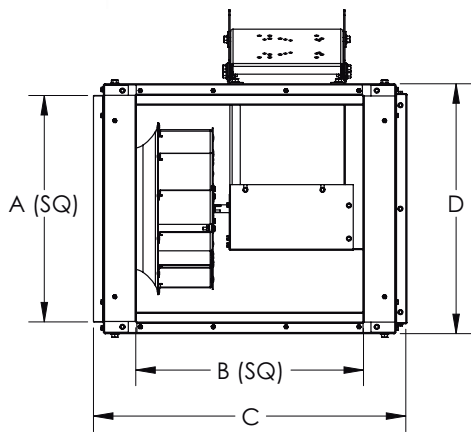
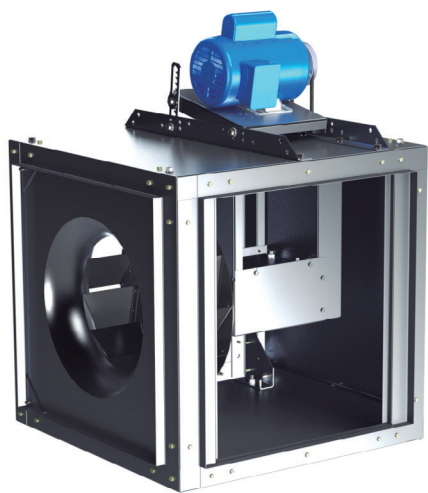


PRESSURE LOSS GUIDE FOR 2" FILTER BOX

Use the estimated pressure drop graphs to help select the proper fan that will deliver the desired airflow. Enter the graph from the bottom at the specified CFM and move vertically upward to the fan curve for the desired size, then horizontally to the left and read the estimated static pressure drop resulting from these typical accessory packages. Add the accessory pressure loss to the system (or building) design static pressure loss to obtain the total static pressure loss to be used for the proper fan selection.



SIDE DISCHARGE OPTION



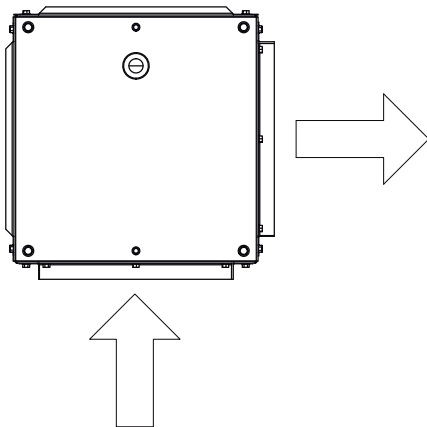
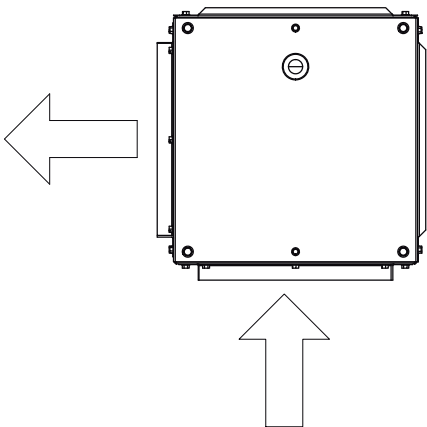
Dimensions (in.)

MODEL	A(IN)	B(IN)	C(IN)	D(IN)
SQB 7	11-7/8	11-7/8	23	15
SQB 8	11-7/8	11-7/8	23	15
SQB 10	13-7/8	13-7/8	23	17
SQB 12	17-7/8	17-7/8	23	21
SQB 15	21-7/8	21-7/8	30	24
SQB 15 HP	21-7/8	21-7/8	30	24
SQB 18	23-7/8	23-7/8	30	28
SQB 18 HP	23-7/8	23-7/8	30	28
SQB 20	27-7/8	27-7/8	34	32
SQB 20 HP	27-7/8	23-7/8	34	32
SQB 24	34-7/8	34-7/8	38	39
SQB 24 HP	34-7/8	34-7/8	38	39
SQB 30	39-7/8	39-7/8	40	44
SQB 30 HP	39-7/8	39-7/8	40	44
SQB 36	47-7/8	NA	45	52
SQB 36 HP	47-7/8	NA	45	52
SQB 42	53-7/8	NA	53	58

Side Discharge Directions

SIDE DISCHARGE LEFT

SIDE DISCHARGE RIGHT

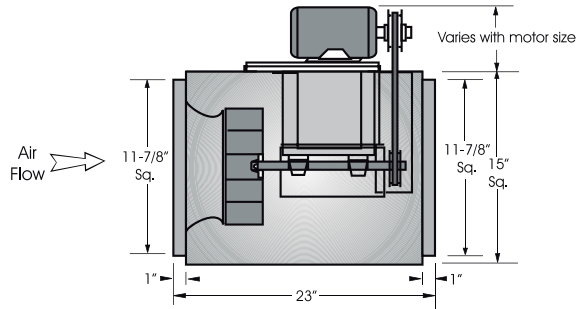


AIRFLOW

AIRFLOW

PERFORMANCE/DIMENSIONS

SQB 7



Outlet Velocity = CFM x 1.02
 Tip Speed = RPM x 2.6835
 Maximum Motor Frame Size = 145T
 Maximum RPM = 2430
 Maximum BHP at a Given RPM = (RPM/3022)³

Unit Specifications

Housing Metal Thickness = 18 GA.
 Approximate Weight = 75 lbs.

CFM / BHP @ Static Pressure / Sones										Drive Range	RPM	HP	Tip Speed
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4				
151 .04/4.4	98 .04/4.4	-	-	-	-	-	-	-	-	DPI	1070	1/4	2871
169 .06/5.5	122 .06/5.4	-	-	-	-	-	-	-	-		1150	1/4	3086
182 .06/6.2	138 .06/6.1	86 .06/6.1	-	-	-	-	-	-	-		1210	1/4	3247
199 .08/7.1	159 .08/7.0	113 .08/7.0	-	-	-	-	-	-	-		1290	1/4	3462
216 .09/7.9	179 .09/7.7	138 .09/7.7	89 .09/7.7	-	-	-	-	-	-	DPI	1370	1/4	3676
233 .11/8.6	199 .11/8.5	161 .11/8.4	118 .11/8.4	-	-	-	-	-	-		1450	1/4	3891
249 .13/9.4	217 .13/9.2	182 .13/9.1	144 .13/9.1	99 .12/9.1	-	-	-	-	-		1530	1/4	4106
265 .15/10.2	235 .15/10.1	203 .15/9.9	167 .15/9.9	128 .15/9.9	-	-	-	-	-		1610	1/4	4320
281 .18/11.2	253 .18/11.0	223 .18/10.8	190 .18/10.8	154 .17/10.8	114 .17/10.8	-	-	-	-	DPI	1690	1/4	4535
289 .19/11.8	262 .19/11.7	232 .19/11.4	201 .19/11.3	167 .19/11.3	129 .18/11.3	-	-	-	-		1730	1/4	4642
297 .20/12.4	270 .20/12.3	242 .20/12.0	211 .20/11.9	178 .20/11.9	143 .20/11.9	-	-	-	-		1770	1/4	4750
304 .22/13.0	279 .22/12.9	251 .22/12.6	222 .22/12.4	190 .22/12.4	156 .21/12.4	-	-	-	-		1810	1/4	4857
312 .23/13.6	287 .23/13.5	260 .23/13.2	232 .23/12.9	201 .23/12.9	169 .23/12.9	-	-	-	-	DPI	1850	1/4	4964
320 .25/14.2	296 .25/14.2	270 .25/13.9	242 .25/13.6	212 .25/13.5	181 .24/13.5	105 .22/13.5	-	-	-		1890	1/4	5072
328 .26/14.9	304 .26/14.8	279 .26/14.5	252 .26/14.3	223 .26/14.2	193 .26/14.2	123 .24/14.2	-	-	-		1930	1/4	5179
335 .28/15.5	312 .28/15.5	288 .28/15.2	261 .28/14.9	234 .28/14.8	205 .28/14.8	138 .26/14.8	-	-	-		1970	1/3	5286
351 .32/16.8	329 .31/16.7	305 .31/16.6	281 .31/16.3	254 .31/16.1	227 .31/16.1	167 .31/16.1	-	-	-	DPI	2050	1/3	5501
362 .34/17.8	341 .34/17.7	319 .34/17.6	295 .34/17.3	270 .34/17.1	243 .34/17.0	186 .34/17.0	116 .31/17.0	-	-		2110	1/3	5662
377 .39/19.1	357 .38/19.0	336 .38/18.9	313 .38/18.7	289 .38/18.5	264 .38/18.3	211 .38/18.3	150 .36/18.3	-	-		2190	1/2	5877
393 .43/20	373 .43/20	353 .42/20	331 .42/20	309 .43/19.9	285 .43/19.7	235 .43/19.7	179 .41/19.7	107 .38/19.7	-		2270	1/2	6091
408 .48/22	389 .47/22	370 .47/22	349 .47/22	327 .47/21	305 .47/21	257 .47/21	206 .46/21	145 .44/21	-	DPI	2350	1/2	6306
423 .53/24	405 .52/24	386 .52/24	366 .52/23	346 .52/23	324 .52/23	279 .52/23	231 .52/23	176 .50/23	102 .46/23		2430	1/2	6521

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

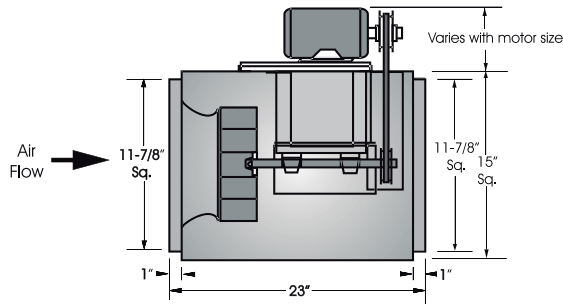
The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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SQB 8



Outlet Velocity = CFM x 1.02

Tip Speed = RPM x 2.6835

Maximum Motor Frame Size = 145T

Maximum RPM = 2625

Maximum BHP at a Given RPM = $(\text{RPM}/2876)^3$

Unit Specifications

Housing Metal Thickness = 18 GA.

Approximate Weight = 75 lbs.

CFM / BHP @ Static Pressure / Sones										Drive Range	RPM	HP	Tip Speed
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4				
453 .05/5.0	347 .05/4.8	-	-	-	-	-	-	-	-	DP5	1050	1/4	2818
498 .06/5.9	406 .06/5.8	-	-	-	-	-	-	-	-		1125	1/4	3019
542 .07/7.0	460 .08/6.8	336 .07/6.8	-	-	-	-	-	-	-		1200	1/4	3220
585 .09/8.0	510 .09/7.8	415 .09/7.8	-	-	-	-	-	-	-		1275	1/4	3421
627 .10/8.7	558 .11/8.5	477 .11/8.4	331 .10/8.6	-	-	-	-	-	-		1350	1/4	3623
669 .12/9.5	604 .12/9.4	532 .13/9.2	434 .13/9.3	-	-	-	-	-	-		1425	1/4	3824
711 .14/10.2	650 .14/10.1	584 .15/10.0	503 .15/9.9	346 .14/10.0	-	-	-	-	-	DP6	1500	1/4	4025
753 .16/11.1	695 .16/10.9	633 .17/10.8	563 .17/10.7	465 .17/10.8	-	-	-	-	-		1575	1/4	4226
794 .18/12.0	738 .19/11.9	681 .19/11.7	618 .20/11.6	539 .20/11.7	397 .18/12.0	-	-	-	-		1650	1/4	4428
835 .21/13.1	782 .21/13.0	728 .22/12.8	669 .22/12.7	602 .23/12.6	509 .22/12.9	-	-	-	-	DP7	1725	1/4	4629
876 .24/14.3	825 .24/14.1	774 .25/13.9	719 .25/13.8	658 .26/13.7	584 .26/13.8	-	-	-	-		1800	1/4	4830
903 .26/15.0	853 .26/14.9	804 .27/14.7	752 .27/14.6	694 .28/14.4	627 .28/14.4	-	-	-	-		1850	1/3	4964
930 .28/15.8	882 .28/15.7	833 .29/15.5	783 .30/15.4	729 .30/15.2	667 .30/15.1	445 .28/15.6	-	-	-	DP8	1900	1/3	5099
957 .30/16.6	910 .31/16.5	863 .31/16.3	815 .32/16.2	763 .32/16.1	705 .33/15.9	536 .32/16.3	-	-	-		1950	1/3	5233
998 .34/17.8	952 .34/17.7	907 .35/17.6	861 .35/17.4	812 .36/17.3	759 .36/17.2	623 .36/17.3	-	-	-		2025	1/3	5434
1024 .37/18.7	980 .37/18.5	936 .37/18.4	891 .38/18.3	844 .39/18.1	794 .39/18.0	671 .39/18.0	-	-	-		2075	1/2	5568
1051 .39/19.5	1008 .40/19.4	965 .40/19.3	921 .41/19.1	876 .41/19.1	828 .42/18.9	715 .42/18.8	500 .39/19.2	-	-		2125	1/2	5702
1078 .42/20	1036 .42/20	993 .43/20	951 .44/19.9	907 .44/19.9	861 .45/19.8	755 .45/19.6	592 .44/20	-	-		2175	1/2	5836
1132 .48/22	1091 .48/22	1051 .49/22	1010 .50/22	969 .50/22	926 .51/22	831 .52/21	708 .52/22	-	-	DP9	2275	1/2	6105
1158 .51/24	1118 .52/23	1079 .52/23	1039 .53/23	999 .53/23	958 .54/23	868 .55/23	755 .55/23	540 .51/23	-		2325	1/2	6239
1238 .62/27	1200 .62/27	1163 .63/27	1126 .63/27	1089 .64/27	1051 .65/27	971 .66/26	878 .67/26	758 .66/26	-		2475	3/4	6642
1318 .74/30	1282 .74/30	1247 .75/30	1212 .75/29	1177 .76/29	1142 .77/29	1068 .78/29	988 .79/29	894 .80/29	766 .79/29		2625	3/4	7044

Performance certified is for installation type B - free inlet, ducted outlet.

Power Ratings (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.

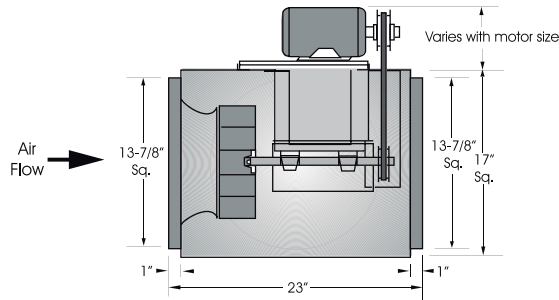


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STANDARD 705

SQB 10



Outlet Velocity = CFM x 0.74

Tip Speed = RPM x 3.207

Maximum Motor Frame Size = 145T

Maximum RPM = 2400

Maximum BHP at a Given RPM = $(\text{RPM}/2376)^3$

Unit Specifications

Housing Metal Thickness = 18 GA.

Approximate Weight = 85 lbs.

CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4	2				
798 .09/5.5	687 .09/5.2	540 .09/5.1	-	-	-	-	-	-	-	-	DP 10	1050	1/4	3367
846 .10/6.2	741 .10/5.8	614 .10/5.7	-	-	-	-	-	-	-	-		1100	1/4	3528
917 .12/7.2	821 .12/6.8	712 .12/6.6	557 .12/6.6	-	-	-	-	-	-	-		1175	1/4	3768
988 .14/8.3	897 .15/7.9	800 .15/7.5	681 .15/7.5	436 .12/7.5	-	-	-	-	-	-		1250	1/4	4009
1035 .16/8.8	948 .17/8.4	856 .17/8.0	750 .17/8.0	594 .16/8.0	-	-	-	-	-	-		1300	1/4	4169
1081 .18/9.4	997 .18/8.9	911 .19/8.6	814 .19/8.4	688 .18/8.4	-	-	-	-	-	-		1350	1/4	4330
1127 .20/10.0	1046 .21/9.5	964 .21/9.1	874 .21/8.9	765 .21/8.9	593 .19/8.9	-	-	-	-	-	DP 11	1400	1/4	4490
1173 .22/10.5	1095 .23/10.2	1016 .23/9.7	932 .23/9.4	834 .23/9.4	702 .22/9.4	-	-	-	-	-		1450	1/4	4650
1219 .25/11.1	1143 .25/10.7	1068 .26/10.4	988 .26/10.0	898 .26/9.9	787 .25/9.9	-	-	-	-	-	DP 12	1500	1/4	4811
1265 .27/11.7	1191 .28/11.3	1118 .28/10.9	1042 .28/10.6	959 .29/10.4	861 .28/10.4	-	-	-	-	-		1550	1/3	4971
1310 .30/12.4	1239 .30/12.0	1169 .31/11.6	1096 .31/11.2	1018 .31/11.0	929 .31/11.0	634 .27/10.9	-	-	-	-		1600	1/3	5131
1356 .33/13.1	1286 .33/12.7	1216 .34/12.3	1148 .34/11.9	1074 .34/11.6	992 .34/11.5	763 .32/11.5	-	-	-	-		1650	1/3	5292
1401 .36/13.9	1334 .36/13.5	1267 .37/13.1	1200 .37/12.7	1130 .38/12.4	1053 .38/12.3	857 .36/12.1	-	-	-	-	DP 13	1700	1/2	5452
1469 .41/14.9	1404 .41/14.6	1340 .42/14.3	1276 .42/13.9	1210 .43/13.6	1140 .43/13.3	973 .42/13.3	654 .36/13.2	-	-	-		1775	1/2	5692
1536 .46/16.2	1474 .47/15.8	1413 .47/15.5	1352 .48/15.1	1289 .48/14.8	1224 .48/14.5	1076 .48/14.4	864 .46/14.3	-	-	-		1850	1/2	5933
1581 .50/17.0	1520 .50/16.7	1461 .51/16.3	1401 .51/16.0	1341 .52/15.7	1278 .52/15.3	1139 .53/15.1	957 .51/15.1	-	-	-		1900	1/2	6093
1626 .54/17.9	1566 .54/17.5	1508 .55/17.2	1451 .56/16.9	1392 .56/16.5	1332 .57/16.2	1200 .57/15.9	1037 .56/15.9	741 .49/15.9	-	-		1950	3/4	6254
1693 .60/19.2	1636 .61/18.8	1579 .61/18.5	1524 .62/18.2	1468 .63/17.9	1411 .63/17.6	1288 .64/17.1	1145 .63/17.1	943 .60/17.1	-	-		2025	3/4	6494
1760 .67/21	1704 .68/20	1650 .68/19.9	1597 .69/19.6	1543 .70/19.3	1488 .70/19.0	1373 .71/18.4	1243 .71/18.3	1079 .69/18.2	773 .60/18.3	-	DP 14	2100	3/4	6735
1827 .75/22	1773 .75/22	1720 .76/21	1669 .76/21	1617 .77/21	1564 .78/20	1456 .79/19.8	1336 .79/19.5	1194 .78/19.5	993 .74/19.4	-		2175	3/4	6975
1894 .83/24	1841 .83/23	1790 .84/23	1740 .84/23	1690 .85/22	1640 .86/22	1536 .87/21	1424 .87/21	1297 .87/21	1135 .85/21	849 .74/21		2250	1	7216
2027 1.00/27	1977 1.01/27	1929 1.01/26	1882 1.02/26	1835 1.03/26	1788 1.03/25	1693 1.05/25	1593 1.06/24	1484 1.06/24	1360 1.06/24	1205 1.03/24		2400	1	7697

Performance certified is for installation type B - free inlet, ducted outlet.

Power Ratings (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

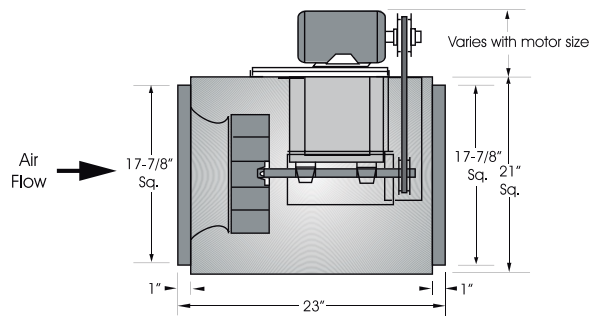
The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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SQB 12



$$\text{Outlet Velocity} = \text{CFM} \times 0.45$$

$$\text{Tip Speed} = \text{RPM} \times 3.534$$

$$\text{Maximum Motor Frame Size} = 145T$$

$$\text{Maximum RPM} = 2125$$

$$\text{Maximum BHP at a Given RPM} = (\text{RPM}/1821)^3$$

Unit Specifications

Housing Metal Thickness = 18 GA.

Approximate Weight = 95 lbs.

CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4	2				
1293 .12/5.9	1098 .12/5.6	769 .11/5.4	-	-	-	-	-	-	-	-	DP 15	900	1/4	3181
1474 .16/7.3	1309 .16/7.0	1102 .16/6.8	-	-	-	-	-	-	-	-		1000	1/4	3534
1518 .17/7.6	1359 .18/7.4	1165 .18/7.1	806 .15/6.9	-	-	-	-	-	-	-		1025	1/4	3623
1607 .20/8.4	1458 .20/8.1	1284 .21/7.9	1036 .20/7.7	-	-	-	-	-	-	-		1075	1/4	3799
1686 .22/9.1	1544 .23/8.9	1384 .23/8.6	1177 .23/8.4	-	-	-	-	-	-	-		1120	1/4	3958
1773 .25/10.0	1639 .26/9.7	1491 .26/9.4	1312 .26/9.3	1032 .24/9.1	-	-	-	-	-	-		1170	1/4	4135
1868 .29/11.0	1741 .30/10.8	1604 .30/10.5	1445 .30/10.3	1235 .30/10.1	-	-	-	-	-	-	DP 16	1225	1/3	4330
1954 .33/12.0	1833 .33/11.8	1704 .34/11.5	1558 .34/11.3	1380 .34/11.1	1099 .31/10.9	-	-	-	-	-		1275	1/3	4506
2040 .37/13.1	1924 .37/12.8	1801 .38/12.5	1667 .39/12.3	1509 .38/12.1	1297 .37/11.9	-	-	-	-	-		1325	1/2	4683
2168 .43/14.6	2059 .44/14.3	1945 .45/14.1	1822 .45/13.8	1685 .45/13.7	1520 .45/13.5	-	-	-	-	-		1400	1/2	4948
2296 .51/15.8	2192 .51/15.5	2085 .52/15.3	1973 .53/15.1	1850 .53/14.9	1710 .53/14.7	1282 .48/14.5	-	-	-	-		1475	1/2	5213
2380 .56/16.6	2280 .57/16.3	2178 .57/16.1	2070 .58/15.9	1955 .59/15.7	1827 .59/15.6	1481 .56/15.3	-	-	-	-	DP 17	1525	3/4	5390
2465 .62/17.3	2368 .62/17.1	2269 .63/16.9	2167 .64/16.7	2057 .64/16.5	1938 .65/16.4	1639 .63/16.1	-	-	-	-		1575	3/4	5567
2549 .68/18.2	2456 .68/18.0	2360 .69/17.8	2262 .70/17.6	2158 .71/17.4	2046 .71/17.2	1778 .70/17.0	1303 .62/16.7	-	-	-		1625	3/4	5743
2633 .74/19.0	2543 .75/18.8	2450 .76/18.6	2356 .76/18.4	2256 .77/18.2	2151 .78/18.0	1906 .78/17.8	1545 .73/17.6	-	-	-		1675	3/4	5920
2675 .77/19.4	2586 .78/19.2	2495 .79/19.0	2402 .80/18.6	2305 .80/18.6	2202 .81/18.5	1967 .81/18.2	1638 .78/18.0	-	-	-		1700	1	6008
2759 .84/21	2672 .85/20	2585 .86/20	2495 .87/19.9	2402 .88/19.6	2304 .88/19.4	2084 .89/19.1	1800 .87/18.9	1111 .66/18.7	-	-	DP 18	1750	1	6185
2843 .92/22	2758 .93/21	2673 .93/21	2586 .94/21	2497 .95/21	2403 .96/21	2197 .97/20	1943 .95/19.7	1539 .87/19.5	-	-		1800	1	6362
2926 1.00/23	2844 1.00/22	2762 1.01/22	2678 1.02/22	2591 1.03/22	2501 1.04/22	2306 1.05/21	2074 1.04/21	1751 .99/20	-	-		1850	1	6538
3010 1.08/24	2930 1.09/24	2850 1.09/23	2768 1.10/23	2684 1.11/23	2598 1.12/23	2412 1.13/22	2197 1.13/22	1920 1.10/22	1356 .91/21	-		1900	1-1/2	6715
3176 1.26/26	3101 1.27/26	3024 1.27/26	2947 1.28/26	2869 1.29/25	2788 1.30/25	2618 1.32/25	2428 1.33/24	2203 1.32/24	1897 1.26/24	-		2000	1-1/2	7069
3384 1.51/29	3313 1.52/29	3241 1.52/29	3169 1.53/29	3096 1.54/29	3022 1.55/28	2866 1.57/28	2699 1.59/28	2510 1.59/27	2286 1.57/27	1979 1.50/26		2125	1-1/2	7510

Performance certified is for installation type B - free inlet, ducted outlet.
Power Ratings (BHP) does not include drive losses.
Performance ratings do not include the effects of appurtenances in the airstream.

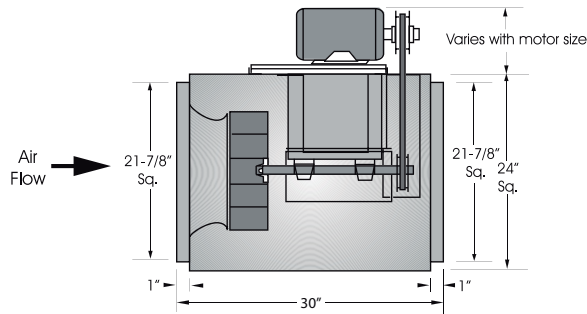
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SQB 15



Outlet Velocity = CFM x 0.30

Tip Speed = RPM x 4.058

Maximum Motor Frame Size = 184T

Maximum RPM = 1910

Maximum BHP at a Given RPM = (RPM/1492)³

Unit Specifications

Housing Metal Thickness = 18 GA.

Approximate Weight = 140 lbs.

CFM / BHP @ Static Pressure / Sones												Drive Range	RPM	HP	Tip Speed
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4				
1611 .13/6.4	1408 .14/5.8	1135 .14/5.0	-	-	-	-	-	-	-	-	-	DP 21	770	1/4	3126
1753 .16/7.3	1567 .16/6.8	1349 .17/6.1	-	-	-	-	-	-	-	-	-		825	1/4	3348
1894 .19/8.3	1721 .20/7.7	1531 .20/7.1	1269 .20/6.3	-	-	-	-	-	-	-	-		880	1/4	3571
2071 .23/9.6	1911 .24/9.0	1745 .25/8.4	1548 .26/7.7	1227 .24/7.0	-	-	-	-	-	-	-	DP 22	950	1/4	3855
2172 .26/10.3	2018 .27/9.7	1861 .29/9.2	1684 .29/8.6	1447 .29/7.8	-	-	-	-	-	-	-		990	1/3	4017
2347 .32/11.7	2203 .33/11.1	2058 .35/10.6	1904 .36/10.2	1723 .36/9.4	1464 .35/8.7	-	-	-	-	-	-	DP 23	1060	1/3	4301
2459 .36/12.6	2320 .38/12.1	2182 .39/11.6	2038 .40/11.1	1877 .41/10.5	1674 .40/9.7	-	-	-	-	-	-		1105	1/2	4484
2595 .42/13.7	2462 .43/13.3	2331 .45/12.9	2197 .46/12.4	2052 .47/12.0	1884 .47/11.1	-	-	-	-	-	-	DP 24	1160	1/2	4707
2707 .47/14.9	2577 .48/14.3	2452 .50/13.9	2324 .51/13.5	2189 .52/13.1	2038 .53/12.4	1576 .49/10.8	-	-	-	-	-		1205	1/2	4890
2842 .54/16.0	2718 .55/15.6	2597 .56/15.1	2476 .58/14.6	2350 .59/14.2	2214 .60/13.7	1865 .59/12.2	-	-	-	-	-	DP 25	1260	3/4	5113
3026 .64/17.7	2908 .65/17.2	2794 .66/16.7	2680 .68/16.3	2564 .69/15.9	2442 .71/15.4	2159 .72/14.1	1668 .66/12.7	-	-	-	-		1335	3/4	5417
3124 .70/18.5	3009 .71/18.1	2897 .72/17.6	2787 .74/17.2	2675 .75/16.8	2559 .77/16.4	2298 .78/15.1	1925 .76/13.8	-	-	-	-	DP 26	1375	3/4	5580
3295 .81/20	3184 .82/19.6	3078 .83/19.2	2973 .85/18.8	2868 .87/18.4	2760 .88/18.0	2526 .90/17.1	2236 .91/15.6	1585 .76/14.3	-	-	-		1445	1	5864
3502 .96/22	3396 .97/22	3295 .98/21	3196 1.00/21	3097 1.02/20	2996 1.03/19.9	2786 1.06/19.2	2545 1.08/18.0	2225 1.06/16.7	-	-	-	DP 27	1530	1	6209
3575 1.01/23	3471 1.03/22	3371 1.04/22	3274 1.06/21	3177 1.08/21	3079 1.09/21	2874 1.12/19.9	2645 1.14/18.8	2356 1.13/17.5	1672 .93/16.2	-	-		1560	1-1/2	6330
3732 1.14/24	3632 1.16/24	3536 1.17/24	3442 1.19/23	3349 1.21/23	3255 1.23/22	3063 1.26/21	2853 1.29/21	2608 1.29/19.3	2268 1.25/18.1	-	-	DP 28	1625	1-1/2	6594
3854 1.25/26	3756 1.27/25	3662 1.28/25	3570 1.30/24	3480 1.32/24	3390 1.34/24	3205 1.37/23	3007 1.40/22	2784 1.42/21	2503 1.40/19.5	1963 1.24/18.4	-		1675	1-1/2	6797
3999 1.39/27	3904 1.40/27	3813 1.42/26	3724 1.44/26	3636 1.46/25	3549 1.48/25	3372 1.51/24	3187 1.55/24	2983 1.57/22	2742 1.57/21	2413 1.52/20	-	DP 29	1735	1-1/2	7040
4023 1.42/27	3928 1.43/27	3838 1.44/26	3749 1.46/26	3662 1.48/26	3576 1.50/25	3400 1.54/25	3216 1.57/24	3015 1.60/23	2780 1.60/22	2465 1.56/20	-		1745	2	7081
4119 1.52/28	4027 1.53/28	3938 1.54/28	3851 1.56/27	3766 1.58/27	3681 1.60/26	3510 1.64/26	3333 1.68/25	3141 1.70/24	2923 1.71/23	2651 1.69/22	2181 1.54/20	DP 30	1785	2	7243
4252 1.66/30	4162 1.67/29	4075 1.69/29	3991 1.71/29	3908 1.73/28	3826 1.75/28	3660 1.79/27	3490 1.82/26	3310 1.86/26	3110 1.88/24	2876 1.87/23	2558 1.81/22		1840	2	7467
4421 1.85/32	4333 1.87/31	4249 1.88/31	4168 1.90/31	4087 1.92/30	4008 1.94/30	3849 1.98/29	3688 2.03/28	3518 2.06/27	3336 2.09/27	3131 2.10/25	2884 2.08/24		1910	2	7751

Performance certified is for installation type B - free inlet, ducted outlet.

Power Ratings (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

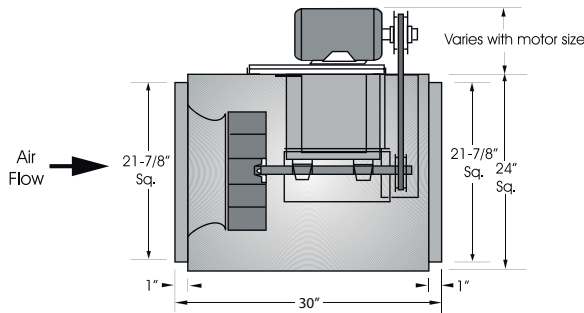
The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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SQBHP 15



Outlet Velocity = CFM x 0.30

Tip Speed = RPM x 4.058

Maximum Motor Frame Size = 184T

Maximum RPM = 2130

Maximum BHP at a Given RPM = $(\text{RPM}/1708)^3$

Unit Specifications

Housing Metal Thickness = 18 GA.

Approximate Weight = 140 lbs.

CFM / BHP @ Static Pressure / Sones												Drive Range	RPM	HP	Tip Speed
3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4	2-1/2	2-3/4	3	3-1/4	3-1/2				
1313 .31/12.6	741 .26/11.8	-	-	-	-	-	-	-	-	-	-	DP 28	1140	1/3	4626
1432 .35/13.8	1002 .32/13.1	-	-	-	-	-	-	-	-	-	-		1180	1/3	4788
1850 .51/18.2	1588 .51/17.5	1220 .48/16.8	-	-	-	-	-	-	-	-	-	DP 29	1340	1/2	5438
1910 .53/18.8	1660 .54/18.0	1326 .52/17.4	-	-	-	-	-	-	-	-	-		1365	1/2	5539
1969 .56/19.4	1731 .57/18.6	1422 .55/17.9	847 .46/17.4	-	-	-	-	-	-	-	-	DP 30	1390	3/4	5640
2086 .62/21	1865 .63/19.8	1595 .62/19.1	1200 .58/18.4	-	-	-	-	-	-	-	-		1440	3/4	5843
2200 .69/22	1994 .70/21	1751 .70/20	1431 .67/19.6	-	-	-	-	-	-	-	-	DP 31	1490	3/4	6046
2312 .75/24	2118 .77/23	1896 .77/21	1621 .76/21	1210 .69/20	-	-	-	-	-	-	-		1540	3/4	6249
2421 .83/26	2239 .84/24	2033 .85/23	1788 .84/22	1464 .80/21	-	-	-	-	-	-	-	DP 32	1590	1	6452
2530 .90/27	2356 .92/26	2163 .93/25	1941 .93/23	1666 .90/23	1255 .82/22	-	-	-	-	-	-		1640	1	6655
2637 .98/29	2471 1.00/28	2290 1.02/27	2085 1.02/25	1842 1.01/24	1521 .95/23	-	-	-	-	-	-	DP 33	1690	1	6858
2690 1.02/30	2528 1.05/29	2352 1.06/28	2154 1.07/26	1924 1.06/25	1630 1.02/24	1155 .89/23	-	-	-	-	-		1715	1	6959
2742 1.06/30	2584 1.09/31	2412 1.11/29	2222 1.12/27	2002 1.11/26	1730 1.07/24	1334 .98/24	-	-	-	-	-	DP 34	1740	1-1/2	7061
2847 1.15/32	2695 1.18/32	2532 1.20/31	2353 1.21/29	2151 1.21/27	1912 1.19/26	1601 1.13/25	1044 .95/25	-	-	-	-		1790	1-1/2	7264
2951 1.25/33	2805 1.28/34	2649 1.30/32	2480 1.32/31	2293 1.32/31	2077 1.31/28	1814 1.27/27	1443 1.17/26	-	-	-	-	DP 35	1840	1-1/2	7467
3054 1.35/35	2913 1.38/35	2764 1.40/34	2604 1.42/33	2428 1.43/31	2231 1.42/30	1999 1.40/28	1702 1.34/28	1225 1.18/27	-	-	-		1890	1-1/2	7669
3156 1.45/36	3020 1.48/36	2877 1.51/36	2724 1.53/35	2559 1.54/33	2376 1.54/31	2166 1.53/30	1914 1.49/29	1572 1.39/29	-	-	-	DP 36	1940	1-1/2	7872
3258 1.56/38	3126 1.60/38	2988 1.63/38	2842 1.65/37	2685 1.66/35	2514 1.67/33	2322 1.66/32	2099 1.63/31	1821 1.57/30	1410 1.42/30	-	-		1990	2	8075
3359 1.67/39	3231 1.71/39	3098 1.74/40	2958 1.77/39	2809 1.79/37	2647 1.80/35	2469 1.79/34	2267 1.77/33	2028 1.73/32	1716 1.64/32	1179 1.40/31	-	DP 37	2040	2	8278
3459 1.79/41	3336 1.83/41	3207 1.87/41	3072 1.90/41	2929 1.92/39	2776 1.93/38	2610 1.93/36	2424 1.92/35	2211 1.89/34	1952 1.83/34	1596 1.70/33	-		2090	2	8481
3499 1.84/42	3377 1.88/42	3250 1.92/42	3117 1.95/42	2977 1.97/40	2827 1.98/38	2664 1.99/37	2485 1.98/36	2280 1.95/35	2036 1.90/34	1715 1.79/34	1131 1.50/33	DP 38	2110	2	8562
3539 1.89/43	3418 1.93/42	3293 1.97/43	3162 2.00/43	3024 2.03/41	2877 2.04/39	2718 2.04/37	2544 2.04/37	2347 2.02/36	2115 1.97/35	1821 1.88/34	1361 1.67/34		2130	2	8643

Performance certified is for installation type B - free inlet, ducted outlet.

Power Ratings (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

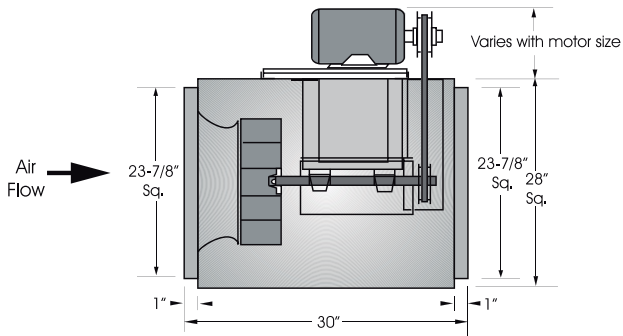
The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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SQB 18



$$\text{Outlet Velocity} = \text{CFM} \times 0.25$$

$$\text{Tip Speed} = \text{RPM} \times 4.843$$

$$\text{Maximum Motor Frame Size} = 184T$$

$$\text{Maximum RPM} = 1640$$

$$\text{Maximum BHP at a Given RPM} = (\text{RPM}/1122)^3$$

Unit Specifications

Housing Metal Thickness = 18 GA.

Approximate Weight = 190 lbs.

CFM / BHP @ Static Pressure / Sones												Drive Range	RPM	HP	Tip Speed
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4				
2434 0.25/9.6	2167 0.25/8	1849 0.25/6	-	-	-	-	-	-	-	-	-	DP 34	700	1/3	3390
2642 0.31/10.4	2400 0.31/9.4	2123 0.31/7.4	1765 0.31/6.2	-	-	-	-	-	-	-	-				
2847 0.37/11.2	2626 0.38/10.7	2376 0.38/9	2087 0.38/7.4	1509 0.33/6.5	-	-	-	-	-	-	-				
3050 0.44/12.5	2846 0.45/12.2	2619 0.46/10.6	2366 0.45/9	2054 0.45/7.7	-	-	-	-	-	-	-	DP 35	750	1/3	3632
3252 0.52/14.1	3062 0.54/14.3	2854 0.54/12.3	2625 0.54/10.6	2366 0.54/9.2	2017 0.52/8.1	-	-	-	-	-	-				
3352 0.57/14.9	3169 0.58/15.2	2969 0.59/13.4	2750 0.59/11.4	2508 0.58/10.1	2208 0.58/8.9	-	-	-	-	-	-				
3552 0.66/16.5	3380 0.68/17	3195 0.69/15.6	2994 0.69/13.6	2775 0.69/11.7	2528 0.68/10.5	-	-	-	-	-	-	DP 36	800	1/3	3875
3751 0.77/18.1	3588 0.79/18.8	3416 0.8/18	3230 0.8/16	3029 0.8/13.7	2811 0.8/12.2	2197 0.76/10.3	-	-	-	-	-				
3850 0.82/19.1	3692 0.84/19.7	3525 0.86/19.4	3345 0.86/17.3	3152 0.86/15	2946 0.86/13	2416 0.84/11.1	-	-	-	-	-				
4047 0.95/21	3898 0.97/22	3740 0.98/22	3573 0.99/20	3395 0.99/17.8	3204 0.99/15.2	2761 0.98/12.8	-	-	-	-	-	DP 37	850	1/2	4117
4146 1.01/22	4000 1.03/23	3847 1.05/24	3685 1.06/21	3513 1.06/19.4	3329 1.05/16.6	2913 1.05/13.6	-	-	-	-	-				
4244 1.08/23	4102 1.1/23	3953 1.12/24	3796 1.13/22	3630 1.13/20	3452 1.13/17.8	3059 1.12/14.3	2496 1.08/12.8	-	-	-	-				
4441 1.22/24	4305 1.25/24	4164 1.27/25	4016 1.28/24	3860 1.28/22	3695 1.28/20	3335 1.28/15.9	2891 1.26/14.2	-	-	-	-	DP 38	900	1/2	4359
4636 1.38/25	4507 1.4/25	4373 1.43/26	4232 1.44/26	4085 1.45/24	3931 1.45/22	3597 1.45/18	3211 1.43/15.7	2620 1.36/14.2	-	-	-				
4832 1.55/26	4708 1.58/26	4580 1.6/27	4446 1.62/28	4307 1.63/26	4162 1.63/24	3848 1.63/20	3501 1.62/17.2	3064 1.6/15.7	-	-	-				
4929 1.64/26	4808 1.67/27	4683 1.69/28	4552 1.71/28	4417 1.72/27	4276 1.73/25	3972 1.72/22	3639 1.72/18.2	3237 1.7/16.5	-	-	-	DP 39	925	1/2	4480
5124 1.83/27	5008 1.86/28	4888 1.88/29	4763 1.9/29	4635 1.92/29	4501 1.93/27	4215 1.93/24	3905 1.92/20	3552 1.91/18	3086 1.87/16.7	-	-				
5319 2.03/28	5207 2.06/29	5091 2.09/30	4972 2.11/30	4850 2.13/30	4723 2.14/29	4453 2.15/26	4161 2.14/23	3841 2.14/19.8	3459 2.11/18.2	-	-				
5513 2.25/30	5405 2.29/30	5294 2.31/31	5180 2.34/31	5063 2.36/32	4941 2.37/31	4686 2.38/28	4409 2.38/25	4113 2.37/22	3775 2.36/19.9	3338 2.31/18.5	-	DP 39	975	3/4	4722
5707 2.49/31	5603 2.52/31	5496 2.55/32	5386 2.58/32	5274 2.6/33	5158 2.62/32	4914 2.63/30	4653 2.63/27	4375 2.63/24	4068 2.62/22	3705 2.59/20	3094 2.42/19				
5997 2.87/33	5898 2.91/33	5797 2.94/33	5694 2.97/34	5588 2.99/34	5479 3.01/35	5252 3.04/33	5010 3.04/31	4752 3.03/28	4479 3.03/25	4174 3.01/23	3809 2.98/21				
6152 3.09/34	6056 3.13/35	5957 3.16/35	5857 3.19/35	5754 3.22/36	5649 3.24/36	5429 3.27/34	5197 3.28/32	4949 3.27/30	4688 3.27/27	4404 3.25/25	4077 3.23/23	DP 40	1025	3/4	4964
												DP 37	1050	1	5085
												DP 38	1100	1	5328
												DP 38	1125	1	5449
												DP 39	1150	1	5570
												DP 39	1200	1-1/2	5812
												DP 39	1250	1-1/2	6054
												DP 39	1300	1-1/2	6296
												DP 39	1325	2	6417
												DP 40	1375	2	6660
												DP 40	1425	2	6902
												DP 40	1475	3	7144
												DP 40	1525	3	7386
												DP 40	1600	3	7749
												DP 40	1640	3	7943

Performance certified is for installation type B - free inlet, ducted outlet.

Power Ratings (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

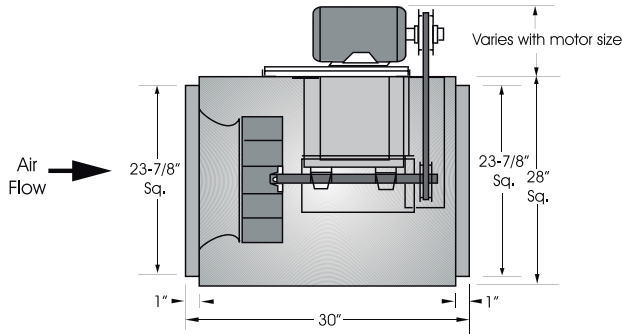
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SQBHP 18



Outlet Velocity = CFM x 0.25

Tip Speed = RPM x 4.843

Maximum Motor Frame Size = 184T

Maximum RPM = 1800

Maximum BHP at a Given RPM = $(\text{RPM}/1251)^3$

Unit Specifications

Housing Metal Thickness = 18 GA.

Approximate Weight = 190 lbs.

CFM / BHP @ Static Pressure / Sones											Drive Range	RPM	HP	Tip Speed
3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4	2-1/2	2-3/4	3	3-1/4				
2119	-	-	-	-	-	-	-	-	-	-	DP 41	980	1/2	4746
.57/9.5	-	-	-	-	-	-	-	-	-	-				
2209	1559	-	-	-	-	-	-	-	-	-	DP 42	1000	1/2	4843
.53/9.9	.47/9.0	-	-	-	-	-	-	-	-	-				
2318	1845	-	-	-	-	-	-	-	-	-	DP 43	1025	3/4	4964
.57/10.6	.55/9.6	-	-	-	-	-	-	-	-	-				
2525	2165	-	-	-	-	-	-	-	-	-	DP 44	1075	3/4	5207
.65/11.9	.66/10.8	-	-	-	-	-	-	-	-	-				
2721	2416	1857	-	-	-	-	-	-	-	-	DP 45	1125	3/4	5449
.74/13.3	.76/12.2	.69/11.2	-	-	-	-	-	-	-	-				
2817	2530	2095	-	-	-	-	-	-	-	-	DP 46	1150	1	5570
.78/14.0	.81/12.9	.78/11.9	-	-	-	-	-	-	-	-				
3004	2746	2410	-	-	-	-	-	-	-	-	DP 47	1200	1	5812
.88/15.5	.91/14.3	.91/13.3	-	-	-	-	-	-	-	-				
3187	2950	2664	2216	-	-	-	-	-	-	-	DP 48	1250	1	6054
.98/17.0	1.02/15.8	1.04/14.7	.99/13.8	-	-	-	-	-	-	-				
3277	3049	2780	2403	-	-	-	-	-	-	-	DP 49	1275	1	6175
1.03/17.6	1.08/16.5	1.10/15.4	1.07/14.4	-	-	-	-	-	-	-				
3456	3242	3000	2696	2105	-	-	-	-	-	-	DP 50	1325	1-1/2	6417
1.15/18.8	1.20/17.8	1.23/16.7	1.23/15.7	1.10/14.8	-	-	-	-	-	-				
3632	3429	3207	2945	2581	-	-	-	-	-	-	DP 51	1375	1-1/2	6660
1.27/20	1.32/19.1	1.36/18.0	1.38/17.1	1.35/16.1	-	-	-	-	-	-				
3806	3613	3407	3172	2879	2374	-	-	-	-	-	DP 52	1425	1-1/2	6902
1.40/21	1.46/20	1.51/19.5	1.53/18.5	1.53/17.6	1.41/16.7	-	-	-	-	-				
3978	3794	3600	3385	3133	2793	-	-	-	-	-	DP 53	1475	2	7144
1.54/23	1.60/22	1.65/21	1.69/20	1.70/19.1	1.67/18.2	-	-	-	-	-				
4149	3973	3788	3589	3364	3087	2661	-	-	-	-	DP 54	1525	2	7386
1.68/24	1.75/23	1.81/22	1.86/21	1.88/21	1.87/19.7	1.78/18.8	-	-	-	-				
4234	4061	3881	3688	3473	3217	2863	-	-	-	-	DP 55	1550	2	7507
1.76/25	1.83/24	1.89/23	1.94/22	1.97/21	1.98/20	1.92/19.6	-	-	-	-				
4318	4149	3973	3786	3580	3340	3029	-	-	-	-	DP 56	1575	2	7628
1.84/25	1.91/25	1.98/24	2.03/23	2.06/22	2.08/21	2.04/20	-	-	-	-				
4403	4236	4065	3883	3685	3458	3178	2731	-	-	-	DP 57	1600	3	7749
1.92/26	2.00/25	2.06/25	2.12/24	2.16/23	2.18/22	2.16/21	2.03/20	-	-	-				
4570	4410	4245	4073	3888	3683	3442	3128	-	-	-	DP 58	1650	3	7991
2.09/28	2.17/27	2.24/26	2.30/25	2.35/24	2.38/23	2.38/23	2.33/22	-	-	-				
4738	4582	4424	4259	4085	3896	3682	3424	3062	-	-	DP 59	1700	3	8234
2.27/29	2.35/28	2.43/28	2.50/27	2.55/26	2.59/25	2.61/24	2.59/23	2.50/23	-	-				
4904	4753	4600	4443	4278	4100	3906	3682	3403	2963	-	DP 60	1750	3	8476
2.46/30	2.55/30	2.63/29	2.70/28	2.76/28	2.81/27	2.84/26	2.85/25	2.81/24	2.64/24	-				
4987	4838	4688	4534	4372	4201	4013	3802	3547	3194	-	DP 61	1775	3	8597
2.56/31	2.65/30	2.73/30	2.81/29	2.87/28	2.92/28	2.96/27	2.97/26	2.95/25	2.84/24	-				
5069	4923	4775	4624	4466	4299	4119	3918	3682	3377	2739	DP 62	1800	3	8718
2.66/32	2.75/31	2.84/31	2.91/30	2.98/29	3.04/28	3.08/27	3.10/27	3.09/26	3.02/25	2.68/24				

Performance certified for installation type B - free inlet, ducted outlet.

Power Ratings (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

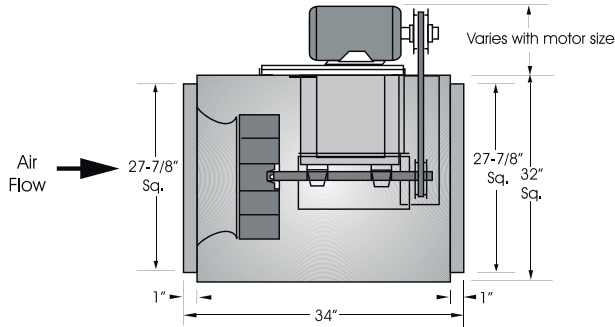
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SQB 20



$$\text{Outlet Velocity} = \text{CFM} \times 0.18$$

$$\text{Tip Speed} = \text{RPM} \times 5.629$$

$$\text{Maximum Motor Frame Size} = 184\text{T}$$

$$\text{Maximum RPM} = 1275$$

$$\text{Maximum BHP at a Given RPM} = (\text{RPM}/870)^3$$

Unit Specifications

Housing Metal Thickness = 18 GA.

CFM / BHP @ Static Pressure / Sones												Drive Range	RPM	HP	Tip Speed
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4				
3297	2923	2428	-	-	-	-	-	-	-	-	-	DP 47	575	1/3	3236
.27/7.1	.29/6.9	.29/5.5	-	-	-	-	-	-	-	-	-		600	1/3	3377
3470	3118	2683	-	-	-	-	-	-	-	-	-	DP 48	610	1/3	3433
.30/7.7	.32/7.7	.33/6.3	-	-	-	-	-	-	-	-	-		650	1/2	3659
3539	3195	2778	2028	-	-	-	-	-	-	-	-	DP 49	675	1/2	3799
.32/8.0	.34/8.0	.35/6.7	.31/5.6	-	-	-	-	-	-	-	-		700	1/2	3940
3813	3496	3134	2646	-	-	-	-	-	-	-	-	DP 50	750	3/4	4222
.38/8.9	.40/8.9	.42/8.1	.41/6.7	-	-	-	-	-	-	-	-		775	3/4	4362
3982	3681	3344	2920	2054	-	-	-	-	-	-	-	DP 51	800	3/4	4503
.43/9.4	.45/9.4	.47/8.8	.47/7.5	.39/6.6	-	-	-	-	-	-	-		835	1	4700
4151	3862	3546	3167	2603	-	-	-	-	-	-	-	DP 52	860	1	4841
.47/10.0	.50/9.9	.52/9.6	.52/8.3	.50/7.3	-	-	-	-	-	-	-		885	1	4981
4486	4220	3935	3615	3217	2551	-	-	-	-	-	-	DP 53	925	1-1/2	5207
.58/11.2	.60/11.0	.63/10.8	.64/9.9	.64/8.8	.58/8.0	-	-	-	-	-	-		975	1-1/2	5488
4653	4396	4125	3824	3468	2971	-	-	-	-	-	-	DP 54	1010	1-1/2	5685
.63/11.9	.66/11.5	.69/11.4	.71/10.7	.71/9.6	.68/8.8	-	-	-	-	-	-		1025	2	5769
4819	4571	4311	4028	3702	3286	-	-	-	-	-	-	DP 55	1075	2	6051
.69/12.6	.73/12.3	.75/12.0	.77/11.6	.78/10.5	.77/9.6	-	-	-	-	-	-		1110	2	6248
5051	4814	4568	4305	4011	3661	-	-	-	-	-	-	DP 56	1150	3	6473
.79/13.6	.82/13.4	.85/13.1	.87/12.9	.89/11.9	.89/10.9	-	-	-	-	-	-		1200	3	6754
5216	4987	4750	4498	4222	3904	2801	-	-	-	-	-	DP 57	1250	3	7036
.86/14.4	.89/14.2	.92/13.9	.95/13.7	.97/12.9	.97/11.9	.85/10.2	-	-	-	-	-		1275	3	7177
5380	5158	4929	4688	4427	4134	3286	-	-	-	-	-				
.93/15.2	.97/15.0	1.00/14.7	1.03/14.5	1.05/14.0	1.06/12.9	1.00/11.1	-	-	-	-	-				
5643	5431	5214	4987	4746	4482	3809	-	-	-	-	-				
1.10/16.3	1.13/16.1	1.16/16.0	1.19/15.8	1.20/14.7	1.19/12.7	-	-	-	-	-	-				
5970	5769	5565	5354	5132	4895	4335	3429	-	-	-	-				
1.24/18.2	1.28/18.0	1.32/17.9	1.35/17.7	1.38/17.6	1.40/17.0	1.41/14.9	1.30/13.1	-	-	-	-				
6199	6005	5809	5607	5396	5173	4665	3963	-	-	-	-				
1.37/19.4	1.41/19.2	1.45/19.1	1.49/19.0	1.52/18.9	1.55/18.7	1.57/16.6	1.52/14.6	-	-	-	-				
6296	6106	5912	5714	5508	5291	4801	4150	-	-	-	-				
1.43/20	1.48/19.8	1.52/19.7	1.55/19.5	1.59/19.4	1.61/19.4	1.64/17.3	1.61/15.3	-	-	-	-				
6622	6440	6256	6069	5876	5675	5233	4697	3880	-	-	-				
1.65/22	1.69/22	1.74/22	1.78/22	1.81/21	1.84/21	1.89/19.8	1.89/17.7	1.77/15.9	-	-	-				
6849	6673	6496	6315	6130	5938	5523	5038	4388	-	-	-				
1.81/23	1.86/23	1.90/23	1.95/23	1.98/23	2.02/23	2.07/22	2.09/19.5	2.03/17.6	-	-	-				
7108	6938	6768	6594	6417	6235	5845	5403	4856	3987	-	-				
2.01/25	2.06/25	2.11/25	2.15/25	2.19/24	2.23/24	2.29/24	2.32/22	2.30/19.6	2.12/17.8	-	-				
7431	7269	7106	6940	6772	6600	6237	5835	5366	4753	-	-				
2.28/27	2.33/27	2.38/27	2.43/27	2.47/27	2.51/27	2.58/27	2.63/25	2.63/22	2.56/20	-	-				
7754	7598	7442	7284	7124	6960	6618	6248	5831	5329	4622	-				
2.57/29	2.63/29	2.68/29	2.73/29	2.78/29	2.82/29	2.90/29	2.95/28	2.98/25	2.96/23	2.81/21	-				
7916	7763	7609	7455	7298	7138	6806	6450	6053	5588	4979	3527				
2.73/30	2.78/30	2.84/30	2.89/30	2.94/30	2.98/30	3.06/30	3.12/29	3.16/27	3.15/24	3.06/22	2.48/21				

Performance certified is for installation type B - free inlet, ducted outlet.

Power Ratings (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

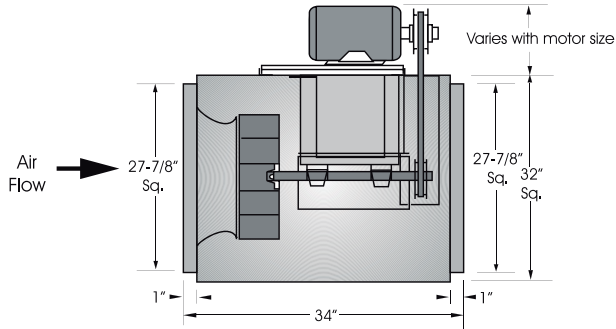
The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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SQBHP 20



Outlet Velocity = CFM x 0.18
 Tip Speed = RPM x 5.629
 Maximum Motor Frame Size = 184T
 Maximum RPM = 1440
 Maximum BHP at a Given RPM = $(\text{RPM}/988)^3$

Unit Specifications

Housing Metal Thickness = 18 GA.
 Approximate Weight = 220 lbs.

CFM / BHP @ Static Pressure / Sones									Drive Range	RPM	HP	Tip Speed
3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4	2-1/2	2-3/4				
2876 .65/10.1	1908 .56/9.1	-	-	-	-	-	-	-	DP 54	850	3/4	4784
3051 .70/10.9	2380 .67/9.7	-	-	-	-	-	-	-		875	3/4	4925
3218 .76/11.8	2656 .75/10.4	-	-	-	-	-	-	-		900	3/4	5066
3536 .89/13.9	3086 .90/11.9	2120 .78/10.9	-	-	-	-	-	-	DP 55	950	1	5347
3839 1.02/15.6	3452 1.05/13.7	2907 1.03/12.4	-	-	-	-	-	-		1000	1	5629
3986 1.09/16.4	3622 1.13/14.8	3144 1.12/13.2	-	-	-	-	-	-		1025	1-1/2	5769
4275 1.25/18.1	3946 1.29/17.2	3549 1.31/14.9	2957 1.26/13.7	-	-	-	-	-	DP 56	1075	1-1/2	6051
4416 1.33/19.0	4102 1.38/18.2	3732 1.40/16.0	3230 1.38/14.6	-	-	-	-	-		1100	1-1/2	6192
4557 1.41/19.9	4254 1.47/19.2	3907 1.50/17.2	3463 1.49/15.4	2546 1.31/14.5	-	-	-	-		1125	1-1/2	6332
4668 1.48/21	4375 1.54/19.9	4043 1.58/18.1	3632 1.58/16.1	2974 1.48/15.1	-	-	-	-	DP 57	1145	1-1/2	6445
4696 1.50/21	4405 1.56/20	4076 1.60/18.4	3673 1.60/16.3	3048 1.52/15.3	-	-	-	-		1150	2	6473
4834 1.59/22	4553 1.65/21	4240 1.70/19.7	3868 1.71/17.5	3353 1.66/16.1	-	-	-	-		1175	2	6614
4971 1.68/23	4699 1.75/22	4400 1.80/21	4053 1.82/18.7	3603 1.80/17.0	2601 1.55/16.2	-	-	-	DP 58	1200	2	6754
5107 1.78/24	4843 1.85/23	4556 1.90/22	4229 1.93/19.9	3826 1.93/18.0	3194 1.82/17.0	-	-	-		1225	2	6895
5242 1.88/25	4986 1.96/24	4709 2.01/23	4400 2.05/21	4030 2.06/19.1	3517 1.99/17.9	-	-	-		1250	2	7036
5510 2.09/26	5267 2.18/25	5009 2.24/25	4727 2.29/24	4405 2.32/21	4007 2.30/19.6	3398 2.18/18.8	-	-	DP 59	1300	3	7317
5643 2.20/27	5406 2.29/26	5156 2.36/26	4885 2.42/25	4581 2.45/23	4218 2.44/21	3721 2.37/19.6	-	-		1325	3	7458
5775 2.32/27	5544 2.41/27	5302 2.49/26	5041 2.55/26	4751 2.58/24	4415 2.59/22	3984 2.55/20	3203 2.32/19.6	-		1350	3	7599
5907 2.44/28	5681 2.53/28	5445 2.61/27	5193 2.68/27	4917 2.72/25	4602 2.74/23	4216 2.72/21	3650 2.59/20	-	DP 60	1375	3	7739
6039 2.56/29	5818 2.66/29	5588 2.75/28	5344 2.81/27	5079 2.86/26	4782 2.89/24	4430 2.88/22	3959 2.80/21	-		1400	3	7880
6170 2.69/29	5953 2.79/29	5729 2.88/29	5493 2.95/28	5238 3.01/27	4956 3.04/25	4629 3.05/23	4219 3.00/22	3554 2.80/21		1425	3	8021
6248 2.77/30	6035 2.88/30	5814 2.96/29	5581 3.04/29	5332 3.10/28	5058 3.14/26	4744 3.15/24	4360 3.11/23	3798 2.97/22		1440	3	8105

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

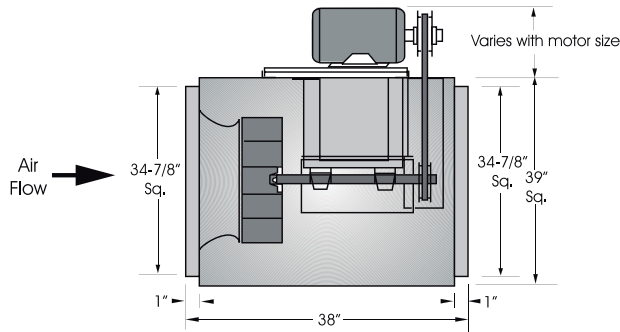
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SQB 24



$$\text{Outlet Velocity} = \text{CFM} \times 0.11$$

$$\text{Tip Speed} = \text{RPM} \times 6.48$$

Maximum Motor Frame Size = 215T

Maximum RPM = 1235

$$\text{Maximum BHP at a Given RPM} = (\text{RPM}/711)^3$$

Unit Specifications

Housing Metal Thickness = 18 GA.

Approximate Weight = 320 lbs.

CFM / BHP @ Static Pressure / Sones												Drive Range	RPM	HP	Tip Speed
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4				
4426	3956	3416	2395	-	-	-	-	-	-	-	-	DP 59	530	1/2	3434
.39/8.0	.41/7.5	.42/6.4	.36/5.5	-	-	-	-	-	-	-	-		570	1/2	3693
4828	4394	3928	3325	-	-	-	-	-	-	-	-		580	1/2	3758
.47/9.1	.50/8.7	.52/7.7	.51/6.8	-	-	-	-	-	-	-	-	DP 60	600	3/4	3888
4928	4502	4049	3485	-	-	-	-	-	-	-	-		660	3/4	4276
.50/9.3	.53/9.0	.54/8.0	.54/7.1	-	-	-	-	-	-	-	-		675	1	4374
5127	4715	4286	3779	2949	-	-	-	-	-	-	-	DP 61	725	1	4698
.55/9.8	.58/9.6	.60/8.7	.60/7.8	.55/6.9	-	-	-	-	-	-	-		775	1-1/2	5022
5720	5343	4966	4558	4070	3307	-	-	-	-	-	-		820	1-1/2	5313
.72/11.6	.76/11.4	.79/11.0	.80/9.9	.80/9.0	.74/8.2	-	-	-	-	-	-	DP 62	830	1-1/2	5378
5867	5498	5131	4738	4284	3653	-	-	-	-	-	-		845	2	5475
.77/12.1	.81/11.8	.84/11.5	.86/10.5	.86/9.6	.83/8.8	-	-	-	-	-	-		900	2	5832
6356	6010	5670	5319	4937	4488	-	-	-	-	-	-	DP 63	910	2	5896
.95/13.8	.99/13.6	1.02/13.4	1.05/12.6	1.07/11.6	1.06/10.8	-	-	-	-	-	-		935	3	6058
6843	6515	6198	5876	5538	5166	4126	-	-	-	-	-		1010	3	6544
1.15/15.7	1.20/15.4	1.24/15.2	1.27/14.9	1.29/13.9	1.30/13.0	1.24/11.3	-	-	-	-	-	DP 64	1035	3	6706
7278	6966	6665	6364	6053	5723	4925	-	-	-	-	-		1045	5	6771
1.36/17.5	1.41/17.3	1.45/17.0	1.49/16.8	1.52/16.0	1.54/15.1	1.53/13.3	-	-	-	-	-		1080	5	6998
7375	7066	6768	6471	6165	5843	5076	-	-	-	-	-	DP 65	1120	5	7257
1.41/17.9	1.46/17.7	1.50/17.4	1.54/17.2	1.57/16.5	1.59/15.5	1.59/13.8	-	-	-	-	-		1190	5	7711
7519	7215	6922	6631	6333	6020	5295	4060	-	-	-	-		1225	5	7937
1.48/18.5	1.53/18.3	1.58/18.1	1.62/17.9	1.65/17.3	1.68/16.3	1.68/14.5	1.53/12.9	-	-	-	-	DP 65	1235	5	8002
8049	7760	7483	7210	6934	6650	6030	5237	-	-	-	-				
1.78/21	1.84/21	1.89/20	1.94/20	1.97/20	2.01/19.1	2.04/17.3	2.00/15.5	-	-	-	-				
8145	7859	7584	7314	7042	6763	6156	5400	-	-	-	-	DP 64			
1.84/21	1.90/21	1.95/21	2.00/21	2.04/20	2.07/19.6	2.11/17.8	2.08/16.1	-	-	-	-				
8384	8105	7837	7574	7310	7040	6465	5779	4720	-	-	-				
2.00/22	2.05/22	2.11/22	2.16/22	2.20/22	2.23/21	2.28/19.1	2.28/17.4	2.13/15.8	-	-	-	DP 65			
9102	8840	8589	8344	8100	7855	7348	6790	6119	5100	-	-				
2.50/26	2.57/26	2.63/25	2.68/25	2.73/25	2.78/25	2.85/23	2.88/21	2.86/19.7	2.68/18.2	-	-				
9340	9084	8838	8598	8360	8122	7632	7101	6486	5659	-	-	DP 65			
2.69/27	2.76/27	2.82/27	2.88/26	2.93/26	2.98/26	3.05/25	3.10/23	3.09/21	2.99/19.5	-	-				
9436	9181	8937	8699	8464	8228	7744	7224	6626	5849	-	-				
2.77/28	2.84/27	2.90/27	2.96/27	3.01/27	3.06/26	3.14/25	3.19/23	3.19/22	3.10/20	-	-	DP 65			
9769	9521	9284	9053	8825	8597	8133	7643	7098	6441	5459	-				
3.05/29	3.12/29	3.19/29	3.25/28	3.31/28	3.36/28	3.44/27	3.50/25	3.53/24	3.49/22	3.28/20	-				
10149	9909	9679	9455	9234	9015	8571	8109	7608	7035	6305	4831	DP 65			
3.40/31	3.47/31	3.54/30	3.60/30	3.66/30	3.72/29	3.82/29	3.89/27	3.93/25	3.92/24	3.82/22	3.33/21				
10814	10586	10367	10154	9945	9738	9324	8900	8454	7970	7416	6425				
4.06/34	4.14/33	4.22/33	4.29/33	4.36/33	4.42/32	4.53/32	4.62/31	4.68/29	4.72/27	4.70/26	4.59/24	DP 65			
11145	10923	10710	10502	10298	10096	9695	9286	8861	8407	7903	7309				
4.43/35	4.51/35	4.59/35	4.66/34	4.73/34	4.80/34	4.91/33	5.01/33	5.09/31	5.14/29	5.14/28	5.09/26				
11240	11019	10807	10601	10399	10198	9800	9396	8976	8529	8037	7464	DP 65			
4.54/36	4.62/35	4.70/35	4.77/35	4.84/35	4.91/34	5.03/34	5.13/33	5.21/31	5.26/30	5.27/28	5.23/27				

Performance certified is for installation type B - free inlet, ducted outlet.

Power Ratings (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

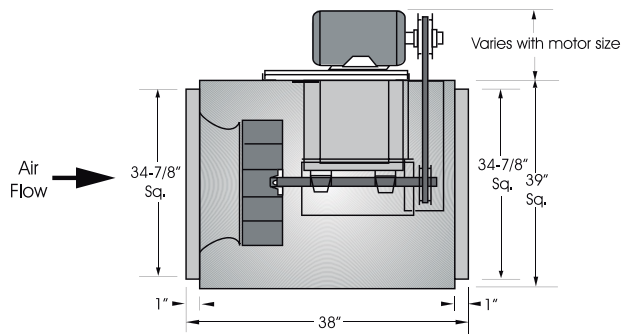
The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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SQBHP 24



$$\text{Outlet Velocity} = \text{CFM} \times 0.11$$

$$\text{Tip Speed} = \text{RPM} \times 6.48$$

Maximum Motor Frame Size = 215T

Maximum RPM = 1515

$$\text{Maximum BHP at a Given RPM} = (\text{RPM}/774)^3$$

Unit Specifications

Housing Metal Thickness = 18 GA.

Approximate Weight = 320 lbs.

CFM / BHP @ Static Pressure / Sones												Drive Range	RPM	HP	Tip Speed		
3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4	2-1/2	2-3/4	3	3-1/4	3-1/2						
4251 .99/12.0	3195 .91/10.4	-	-	-	-	-	-	-	-	-	-	DP 66	DP 67	DP 68	765	1	4957
4474 1.07/12.8	3589 1.03/11.7	-	-	-	-	-	-	-	-	-	-				785	1	5086
4794 1.19/14.0	4054 1.18/12.8	-	-	-	-	-	-	-	-	-	-	DP 67	DP 68	DP 69	815	1-1/2	5281
5251 1.38/15.8	4635 1.40/14.7	3676 1.31/13.2	-	-	-	-	-	-	-	-	-				860	1-1/2	5572
5641 1.56/17.5	5095 1.61/16.4	4370 1.58/15.3	-	-	-	-	-	-	-	-	-	DP 68	DP 69	DP 70	900	1-1/2	5832
5973 1.74/19.1	5472 1.79/18.0	4853 1.80/16.8	3868 1.66/15.1	-	-	-	-	-	-	-	-				935	2	6058
6159 1.84/20	5680 1.90/18.9	5103 1.92/17.8	4281 1.84/16.7	-	-	-	-	-	-	-	-	DP 69	DP 70	DP 71	955	2	6188
6481 2.03/22	6034 2.10/20	5515 2.14/19.4	4848 2.11/18.4	3558 1.81/15.6	-	-	-	-	-	-	-				990	2	6415
6887 2.29/24	6473 2.38/23	6008 2.44/21	5453 2.44/20	4687 2.35/19.5	-	-	-	-	-	-	-	DP 70	DP 71	DP 72	1035	3	6706
7331 2.61/26	6947 2.71/25	6527 2.78/24	6047 2.82/23	5458 2.79/22	4589 2.62/20	-	-	-	-	-	-				1085	3	7030
7725 2.92/27	7364 3.03/27	6974 3.11/25	6542 3.17/24	6039 3.18/23	5400 3.11/23	4319 2.80/20	-	-	-	-	-	DP 71	DP 72	DP 73	1130	3	7322
7985 3.14/28	7637 3.25/28	7265 3.35/27	6857 3.42/26	6395 3.45/25	5836 3.41/24	5059 3.25/23	-	-	-	-	-				1160	5	7516
8330 3.45/30	7997 3.57/30	7645 3.68/28	7265 3.76/27	6844 3.81/26	6357 3.81/25	5750 3.73/25	4815 3.45/22	-	-	-	-	DP 72	DP 73	DP 74	1200	5	7775
8671 3.77/31	8352 3.91/31	8018 4.02/30	7660 4.11/29	7272 4.18/28	6835 4.21/27	6321 4.18/26	5654 4.05/25	4413 3.54/22	-	-	-				1240	5	8035
8968 4.08/33	8660 4.22/33	8339 4.34/32	7999 4.44/31	7633 4.52/30	7230 4.57/29	6770 4.57/28	6213 4.50/27	5440 4.27/26	-	-	-	DP 73	DP 74	DP 75	1275	5	8261
9179 4.30/34	8878 4.45/34	8566 4.58/33	8237 4.69/32	7885 4.77/31	7502 4.83/30	7072 4.85/29	6567 4.81/28	5921 4.66/27	4817 4.19/25	-	-				1300	5	8423
9431 4.59/35	9139 4.74/35	8836 4.87/34	8519 4.99/33	8183 5.09/32	7820 5.16/31	7419 5.19/31	6962 5.18/30	6408 5.09/29	5645 4.84/27	-	-	DP 74	DP 75	DP 76	1330	5	8618
9891 5.14/37	9613 5.30/37	9326 5.44/37	9028 5.58/36	8715 5.69/35	8382 5.78/34	8023 5.84/33	7626 5.86/32	7174 5.84/32	6630 5.74/31	5891 5.47/29	-				1385	7 1/2	8974
10223 5.56/39	9954 5.73/39	9678 5.89/39	9392 6.03/38	9094 6.15/37	8779 6.25/36	8443 6.33/35	8078 6.38/34	7673 6.38/34	7207 6.34/33	6637 6.19/32	5829 5.84/30	DP 75	DP 76	DP 77	1425	7 1/2	9233
10513 5.96/41	10251 6.13/41	9984 6.29/41	9707 6.44/40	9420 6.57/39	9119 6.68/38	8800 6.77/37	8458 6.84/36	8084 6.87/36	7665 6.85/35	7176 6.77/34	6562 6.57/33				1460	7 1/2	9460
10760 6.31/42	10505 6.49/42	10244 6.66/42	9975 6.81/42	9697 6.95/41	9406 7.07/40	9100 7.17/39	8774 7.25/38	8422 7.29/37	8034 7.30/36	7593 7.25/36	7068 7.12/35	DP 76	DP 77	DP 78	1490	7 1/2	9564
10996 6.61/43	10716 6.80/43	10460 6.97/43	10197 7.13/43	9925 7.27/42	9642 7.40/41	9346 7.51/40	9032 7.59/40	8696 7.65/39	8329 7.68/38	7919 7.65/37	7445 7.56/36				1515	7 1/2	9816

Performance certified is for installation type B - free inlet, ducted outlet.

Power Ratings (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

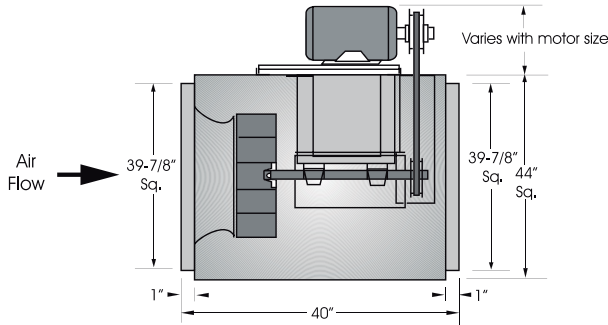
The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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SQB 30



Outlet Velocity = CFM x 0.09

Tip Speed = RPM x 8.017

Maximum Motor Frame Size = 215T

Maximum RPM = 1000

Maximum BHP at a Given RPM = (RPM/510)³

Unit Specifications

Housing Metal Thickness = 16 GA.

Approximate Weight = 420 lbs.

CFM / BHP @ Static Pressure / Sones												Drive Range	RPM	HP	Tip Speed
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4				
5919	5239	4395	-	-	-	-	-	-	-	-	-	DP 72	425	3/4	3407
.53/7.6	.57/7.1	.58/6.4	-	-	-	-	-	-	-	-	-		450	3/4	3608
6341	5711	4978	3879	-	-	-	-	-	-	-	-	DP 73	470	3/4	3768
.63/8.5	.67/8.0	.69/7.3	.65/6.5	-	-	-	-	-	-	-	-		500	1	4009
6675	6079	5408	4526	-	-	-	-	-	-	-	-	DP 74	520	1	4169
.71/9.3	.75/8.8	.78/8.1	.77/7.3	-	-	-	-	-	-	-	-		550	1-1/2	4410
7174	6619	6017	5300	4214	-	-	-	-	-	-	-	DP 75	575	1-1/2	4610
.85/10.6	.90/10.0	.93/9.5	.94/8.6	.89/7.8	-	-	-	-	-	-	-		590	1-1/2	4730
7503	6972	6406	5757	4900	-	-	-	-	-	-	-	DP 76	625	2	5011
.95/11.6	1.00/10.9	1.04/10.4	1.06/9.6	1.04/8.7	-	-	-	-	-	-	-		650	2	5211
7995	7496	6973	6397	5707	4707	-	-	-	-	-	-	DP 77	700	3	5612
1.12/13.0	1.17/12.4	1.22/11.9	1.25/11.2	1.25/10.2	1.19/9.4	-	-	-	-	-	-		725	3	5813
8403	7926	7433	6901	6294	5525	-	-	-	-	-	-	DP 78	750	3	6013
1.28/14.3	1.33/13.7	1.38/13.2	1.42/12.6	1.43/11.7	1.41/10.7	-	-	-	-	-	-		800	5	6414
8646	8182	7705	7196	6625	5935	-	-	-	-	-	-	DP 79	825	5	6615
1.37/15.1	1.43/14.5	1.48/14.0	1.52/13.4	1.55/12.5	1.54/11.6	-	-	-	-	-	-		850	5	6815
9212	8775	8330	7863	7358	6784	5002	-	-	-	-	-	DP 80	875	5	7015
1.63/16.8	1.69/16.3	1.75/15.8	1.79/15.3	1.83/14.7	1.84/13.7	1.69/11.8	-	-	-	-	-		885	5	7096
9615	9195	8770	8328	7857	7337	5958	-	-	-	-	-	DP 81	925	7 1/2	7416
1.82/17.9	1.89/17.4	1.95/16.9	2.00/16.4	2.04/15.9	2.07/15.0	2.01/13.2	-	-	-	-	-		950	7 1/2	7617
10417	10027	9635	9233	8815	8369	7324	5651	-	-	-	-	DP 82	975	7 1/2	7817
2.27/20	2.34/19.5	2.40/19.0	2.47/18.6	2.52/18.2	2.56/17.8	2.58/16.0	2.38/14.4	-	-	-	-		1000	7 1/2	8018
10817	10440	10062	9677	9279	8860	7909	6605	-	-	-	-	DP 83			
2.51/21	2.59/21	2.66/20	2.72/19.7	2.78/19.3	2.83/18.9	2.88/17.4	2.78/15.9	-	-	-	-				
11215	10851	10487	10116	9736	9339	8461	7349	5116	-	-	-	DP 84			
2.78/22	2.85/22	2.93/21	3.00/21	3.06/20	3.11/20	3.18/18.9	3.15/17.4	2.65/16.0	-	-	-				
12010	11669	11327	10983	10632	10271	9497	8601	7420	-	-	-	DP 85			
3.36/25	3.44/24	3.52/24	3.60/24	3.67/23	3.73/23	3.83/22	3.86/20	3.76/19.1	-	-	-				
12407	12075	11744	11412	11074	10727	9993	9165	8144	6529	-	-	DP 86			
3.68/26	3.76/26	3.85/25	3.92/25	4.00/25	4.07/24	4.18/24	4.24/22	4.19/21	3.86/19.3	-	-				
12803	12481	12160	11837	11511	11178	10478	9704	8791	7552	-	-	DP 87			
4.02/27	4.10/27	4.19/27	4.27/26	4.35/26	4.42/26	4.54/25	4.62/24	4.62/22	4.45/21	-	-				
13198	12885	12573	12260	11945	11623	10953	10224	9390	8344	6595	-	DP 88			
4.38/29	4.47/28	4.56/28	4.64/28	4.72/27	4.80/27	4.93/26	5.03/25	5.06/24	4.96/22	4.48/21	-				
13356	13046	12738	12429	12117	11800	11141	10428	9620	8629	7128	-	DP 89			
4.53/29	4.62/29	4.71/29	4.79/28	4.88/28	4.95/28	5.09/27	5.19/26	5.23/25	5.16/23	4.80/22	-				
13987	13691	13396	13100	12803	12503	11883	11224	10500	9665	8607	6796	DP 90			
5.16/32	5.26/32	5.35/31	5.44/31	5.53/30	5.61/30	5.76/29	5.89/29	5.96/27	5.96/26	5.82/24	5.21/23				
14381	14092	13805	13518	13229	12937	12339	11708	11025	10256	9332	8049	DP 91			
5.58/34	5.68/33	5.78/33	5.87/32	5.96/32	6.05/32	6.21/31	6.35/30	6.44/29	6.47/28	6.40/26	6.09/25				
14775	14493	14213	13933	13652	13369	12790	12184	11535	10819	9988	8936	DP 92			
6.03/35	6.13/35	6.23/35	6.33/34	6.42/34	6.51/33	6.68/33	6.83/32	6.94/31	6.99/29	6.97/28	6.79/27				
15168	14893	14620	14347	14074	13798	13237	12654	12034	11360	10599	9686	DP 93			
6.50/37	6.61/37	6.71/36	6.81/36	6.91/35	7.00/35	7.18/34	7.33/34	7.45/33	7.53/31	7.54/30	7.44/28				

Performance certified is for installation type B - free inlet, ducted outlet.
Power Ratings (BHP) does not include drive losses.
Performance ratings do not include the effects of appurtenances in the airstream.

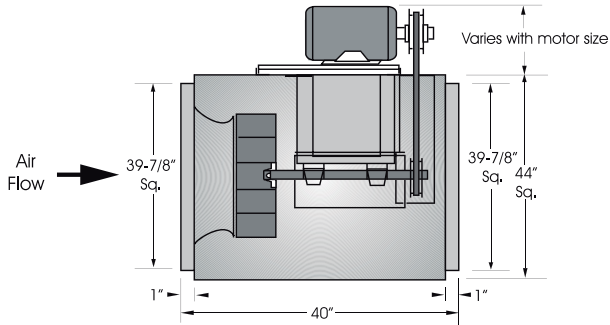
The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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SQBHP 30



Outlet Velocity = CFM x 0.09

Tip Speed = RPM x 8.017

Maximum Motor Frame Size = 215T

Maximum RPM = 1120

Maximum BHP at a Given RPM = $(\text{RPM}/572)^3$

Unit Specifications

Housing Metal Thickness = 16 GA.

Approximate Weight = 420 lbs.

CFM / BHP @ Static Pressure / Sones												Drive Range	RPM	HP	Tip Speed
3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4	2-1/2	2-3/4	3	3-1/4	3-1/2				
5295	3906											DP 79	615	1-1/2	4931
1.26/12.0	1.18/10.8	-	-	-	-	-	-	-	-	-	-		640	1-1/2	5131
5739	4646												660	1-1/2	5292
1.42/13.2	1.39/12.0	-	-	-	-	-	-	-	-	-	-	DP 80	690	2	5532
6078	5117												710	2	5692
1.55/14.2	1.55/13.0	-	-	-	-	-	-	-	-	-	-		725	2	5813
6565	5735	4452										DP 81	735	2	5893
1.75/15.8	1.78/14.5	1.68/13.3	-	-	-	-	-	-	-	-	-		765	3	6133
6880	6112	5051											785	3	6494
1.90/16.9	1.94/15.6	1.89/14.4	-	-	-	-	-	-	-	-	-	DP 82	810	3	6494
7112	6382	5426											830	3	6655
2.01/17.7	2.06/16.5	2.04/15.2	-	-	-	-	-	-	-	-	-		835	5	6695
7265	6558	5657	3916									DP 83	900	5	7216
2.09/18.3	2.15/17.0	2.13/15.7	1.87/14.9	-	-	-	-	-	-	-	-		920	5	7376
7715	7066	6286	5172										945	5	7577
2.34/19.7	2.41/18.7	2.43/17.5	2.33/16.3	-	-	-	-	-	-	-	-	DP 82	975	5	7817
8011	7393	6670	5720										990	5	7937
2.51/21	2.59/19.8	2.62/18.6	2.57/17.4	-	-	-	-	-	-	-	-		1020	7 1/2	8178
8375	7790	7125	6304	5034								DP 83	1045	7 1/2	8378
2.73/22	2.83/21	2.88/19.9	2.86/18.8	2.68/17.8	-	-	-	-	-	-	-		1090	7 1/2	8739
8663	8102	7474	6725	5696									1110	7 1/2	8900
2.92/23	3.03/22	3.09/21	3.10/19.9	2.99/18.9	-	-	-	-	-	-	-	DP 83	1120	7 1/2	8980
8734	8179	7559	6826	5838											
2.97/23	3.08/23	3.14/21	3.15/20	3.06/19.2	-	-	-	-	-	-	-				
9651	9155	8622	8028	7334	6439	4783						DP 83			
3.65/26	3.79/26	3.89/25	3.94/24	3.95/23	3.86/22	3.43/21	-	-	-	-	-				
9929	9448	8935	8371	7726	6933	5767									
3.88/27	4.02/27	4.13/26	4.20/25	4.22/24	4.17/23	3.94/22	-	-	-	-	-	DP 83			
10273	9810	9319	8787	8191	7488	6569	4737								
4.18/28	4.33/28	4.45/28	4.54/27	4.58/26	4.56/25	4.43/24	3.86/23	-	-	-	-				
10684	10240	9773	9272	8722	8095	7335	6268					DP 83			
4.56/30	4.72/30	4.85/29	4.95/29	5.01/27	5.03/26	4.96/25	4.74/24	-	-	-	-				
10888	10453	9996	9509	8979	8382	7676	6748	4850							
4.76/31	4.92/30	5.06/30	5.17/30	5.24/28	5.26/27	5.22/26	5.06/25	4.38/25	-	-	-	DP 83			
11295	10875	10438	9976	9479	8932	8306	7547	6482							
5.17/32	5.34/32	5.49/32	5.62/31	5.70/30	5.75/29	5.75/28	5.66/27	5.40/26	-	-	-				
11631	11224	10802	10358	9885	9370	8795	8123	7270	5883			DP 83			
5.53/34	5.71/33	5.87/33	6.00/33	6.11/32	6.17/31	6.19/30	6.15/29	5.99/28	5.52/28	-	-				
12233	11846	11447	11032	10594	10127	9618	9049	8386	7552	6248					
6.21/36	6.42/36	6.59/36	6.75/36	6.87/35	6.96/34	7.02/33	7.02/32	6.96/31	6.79/30	6.31/30	-	DP 83			
12499	12121	11731	11327	10903	10452	9966	9430	8820	8085	7088					
6.54/38	6.75/37	6.93/37	7.09/37	7.22/37	7.33/36	7.39/35	7.42/33	7.39/32	7.27/32	6.97/31	-				
12632	12257	11872	11473	11055	10613	10137	9616	9028	8331	7424	5772	DP 83			
6.71/38	6.92/38	7.11/38	7.27/37	7.41/37	7.51/36	7.59/35	7.62/34	7.60/33	7.50/32	7.26/32	6.51/31				

Performance certified is for installation type B - free inlet, ducted outlet.

Power Ratings (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

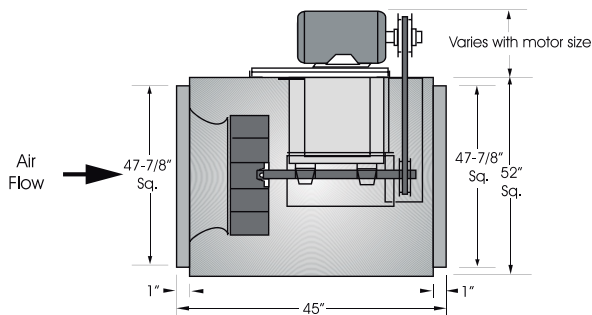
The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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SQB 36



$$\text{Outlet Velocity} = \text{CFM} \times 0.06$$

$$\text{Tip Speed} = \text{RPM} \times 9.344$$

$$\text{Maximum Motor Frame Size} = 215\text{T}$$

$$\text{Maximum RPM} = 725$$

$$\text{Maximum BHP at a Given RPM} = (\text{RPM}/375)^3$$

Unit Specifications

Housing Metal Thickness = 16 GA.

Approximate Weight = 600 lbs.

CFM / BHP @ Static Pressure / Sones												Drive Range	RPM	HP	Tip Speed
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4	2					
7846 .62/6.5	6921 .65/6.0	5189 .60/5.9	-	-	-	-	-	-	-	-	DP 84	DP 85	325	1	3031
8564 .76/7.5	7767 .81/7.0	6594 .80/6.6	-	-	-	-	-	-	-	-			350	1	3264
9270 .93/8.5	8565 .98/8.0	7632 1.00/7.5	5970 .93/7.5	-	-	-	-	-	-	-			375	1	3497
9970 1.11/9.6	9335 1.18/9.1	8545 1.21/8.6	7421 1.20/8.3	-	-	-	-	-	-	-	DP 86	DP 87	400	1-1/2	3731
10663 1.33/10.8	10083 1.40/10.2	9392 1.44/9.7	8500 1.46/9.2	7081 1.38/9.2	-	-	-	-	-	-			425	1-1/2	3964
11351 1.57/12.1	10817 1.64/11.5	10198 1.70/11.0	9445 1.73/10.4	8428 1.71/10.1	6431 1.50/10.1	-	-	-	-	-			450	2	4197
12035 1.83/13.5	11540 1.91/12.8	10978 1.98/12.2	10318 2.02/11.7	9496 2.03/11.2	8325 1.97/11.2	-	-	-	-	-	DP 88	DP 89	475	2	4430
12717 2.13/14.8	12254 2.21/14.2	11737 2.29/13.7	11147 2.34/13.1	10446 2.37/12.5	9552 2.35/12.2	-	-	-	-	-			500	3	4663
13396 2.45/16.2	12961 2.55/15.6	12482 2.63/15.0	11946 2.69/14.5	11329 2.74/14.0	10587 2.75/13.5	7996 2.48/13.5	-	-	-	-			525	3	4896
14072 2.81/17.7	13662 2.91/17.1	13215 3.00/16.5	12723 3.07/16.0	12168 3.13/15.4	11526 3.16/15.0	9697 3.06/14.7	-	-	-	-	DP 89	DP 89	550	3	5130
14747 3.20/19.2	14358 3.31/18.6	13939 3.40/18.1	13482 3.48/17.5	12977 3.55/17.0	12407 3.59/16.5	10925 3.57/15.8	7295 2.90/15.9	-	-	-			575	5	5363
15420 3.62/21	15051 3.74/20	14655 3.84/19.6	14229 3.93/19.1	13764 4.01/18.6	13248 4.06/18.1	11979 4.09/17.1	9946 3.87/17.2	-	-	-			600	5	5596
16091 4.09/22	15740 4.20/22	15366 4.31/21	14965 4.41/21	14533 4.50/20	14060 4.56/19.7	12940 4.63/18.7	11369 4.54/18.5	-	-	-	DP 89	DP 89	625	5	5829
16762 4.59/24	16426 4.71/23	16070 4.82/23	15693 4.93/22	15288 5.02/22	14851 5.10/21	13841 5.20/20	12528 5.18/19.6	10378 4.83/19.8	-	-			650	7 1/2	6062
17431 5.12/25	17109 5.25/25	16771 5.38/24	16413 5.49/24	16032 5.59/23	15625 5.68/23	14702 5.80/22	13559 5.83/21	11952 5.66/21	-	-			675	7 1/2	6295
18100 5.70/27	17791 5.84/26	17467 5.97/26	17127 6.09/25	16768 6.19/25	16385 6.29/24	15533 6.44/23	14512 6.51/22	13188 6.44/22	11047 5.99/22	-	DP 89	DP 89	700	7 1/2	6529
18767 6.33/28	18471 6.47/28	18161 6.60/27	17836 6.73/27	17495 6.84/26	17134 6.95/26	16341 7.12/25	15414 7.22/24	14271 7.21/23	12685 6.98/23	8266 5.39/23			725	7 1/2	6762

Performance certified is for installation type B - free inlet, ducted outlet.

Power Ratings (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

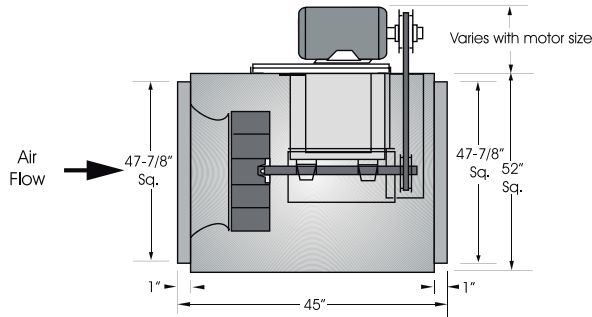
The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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SQBHP 36



Outlet Velocity = CFM x 0.06
 Tip Speed = RPM x 9.344
 Maximum Motor Frame Size = 215T
 Maximum RPM = 840
 Maximum BHP at a Given RPM = $(\text{RPM}/426)^3$

Unit Specifications
 Housing Metal Thickness = 16 GA.
 Approximate Weight = 600 lbs.

CFM / BHP @ Static Pressure / Sones								Drive Range	RPM	HP	Tip Speed
3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4	2-1/2				
5958	-	-	-	-	-	-	-	DP 91	475	1-1/2	4430
1.32/10.3	-	-	-	-	-	-	-		495	1-1/2	4617
6880	-	-	-	-	-	-	-	DP 92	525	2	4896
1.55/11.2	-	-	-	-	-	-	-		550	2	5130
7969	-	-	-	-	-	-	-	DP 93	575	3	5363
1.87/12.7	-	-	-	-	-	-	-		600	3	5596
8761	6961	-	-	-	-	-	-	DP 94	625	3	5829
2.15/14.0	2.05/13.4	-	-	-	-	-	-		650	5	6062
9495	8081	-	-	-	-	-	-	DP 95	675	5	6295
2.44/15.3	2.43/14.6	-	-	-	-	-	-		700	5	6529
10192	8992	6855	-	-	-	-	-	DP 96	725	5	6762
2.75/16.7	2.79/16.0	2.53/15.6	-	-	-	-	-		730	5	6808
10863	9806	8278	-	-	-	-	-	DP 97	740	5	6902
3.08/18.2	3.15/17.5	3.07/16.8	-	-	-	-	-		775	7 1/2	7228
11514	10561	9310	6845	-	-	-	-	DP 98	800	7 1/2	7461
3.43/19.5	3.53/18.8	3.53/18.2	3.06/18.0	-	-	-	-		825	7 1/2	7694
12150	11276	10195	8598	-	-	-	-	DP 99	840	7 1/2	7834
3.81/21	3.93/20	3.97/19.6	3.81/19.1	-	-	-	-				
12773	11964	11001	9728	7136	-	-	-	DP 100			
4.21/22	4.35/22	4.43/21	4.37/20	3.74/20	-	-	-				
13386	12631	11756	10671	9070	-	-	-	DP 101			
4.64/24	4.80/23	4.91/22	4.91/22	4.68/21	-	-	-				
13508	12762	11903	10847	9334	-	-	-	DP 102			
4.73/24	4.89/23	5.00/23	5.02/22	4.82/22	-	-	-				
13750	13023	12192	11188	9817	-	-	-	DP 103			
4.91/24	5.08/24	5.20/23	5.24/23	5.10/22	-	-	-				
14589	13918	13169	12304	11235	9693	-	-	DP 104			
5.58/27	5.77/26	5.92/25	6.01/25	5.99/24	5.72/24	-	-				
15181	14544	13842	13048	12108	10889	8781	-	DP 105			
6.10/28	6.30/27	6.47/27	6.58/26	6.62/26	6.49/25	5.86/25	-				
15768	15160	14499	13763	12915	11881	10442	-	DP 106			
6.64/30	6.86/29	7.04/28	7.18/28	7.26/27	7.22/27	6.93/26	-				
16117	15526	14887	14180	13378	12422	11174	8932	DP 107			
6.98/31	7.21/30	7.40/29	7.56/29	7.65/28	7.65/28	7.46/27	6.65/27				

Performance certified is for installation type B - free inlet, ducted outlet.
 Power Ratings (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

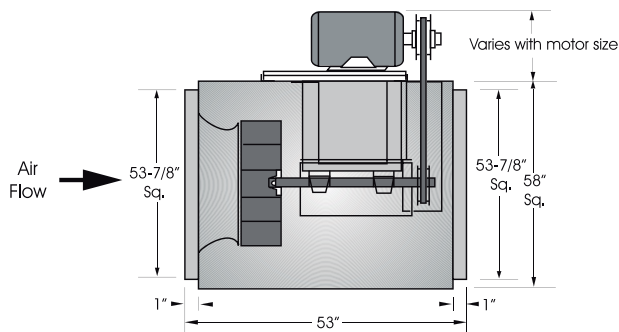
The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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SQB 42



$$\text{Outlet Velocity} = \text{CFM} \times 0.04$$

$$\text{Tip Speed} = \text{RPM} \times 10.995$$

$$\text{Maximum Motor Frame Size} = 215\text{T}$$

$$\text{Maximum RPM} = 565$$

$$\text{Maximum BHP at a Given RPM} = (\text{RPM}/289)^3$$

Unit Specifications

Housing Metal Thickness = 16 GA.

Approximate Weight = 725 lbs.

CFM / BHP @ Static Pressure / Sones								Drive Range	RPM	HP	Tip Speed
1/8	1/4	3/8	1/2	5/8	3/4	1	1-1/4				
11079 .96/7.9	8897 .94/8.3	-	-	-	-	-	-	DP 97	285	2	3134
12360 1.23/9.6	10509 1.23/10.2	7767 1.13/10.9	-	-	-	-	-		310	2	3409
13114 1.41/10.4	11406 1.42/11.1	9110 1.36/11.7	-	-	-	-	-		325	2	3574
14353 1.76/11.6	12829 1.77/12.2	10961 1.74/12.8	8114 1.58/13.5	-	-	-	-		350	2	3848
14843 1.91/12.1	13379 1.93/12.6	11629 1.91/13.3	9169 1.78/13.9	-	-	-	-		360	2	3958
15087 1.99/12.4	13651 2.01/12.9	11953 1.99/13.5	9638 1.88/14.1	-	-	-	-	DP 98	365	2	4013
15573 2.16/12.9	14190 2.18/13.4	12583 2.17/14.0	10497 2.08/14.6	6669 1.71/15.4	-	-	-		375	3	4123
16299 2.42/13.7	14986 2.45/14.2	13494 2.45/14.7	11656 2.38/15.3	8917 2.17/16.0	-	-	-		390	3	4288
17498 2.91/15.1	16287 2.95/15.5	14945 2.96/15.9	13383 2.92/16.5	11381 2.80/17.2	8066 2.42/17.8	-	-		415	3	4563
17737 3.02/15.4	16543 3.06/15.7	15228 3.07/16.2	13708 3.03/16.8	11796 2.93/17.4	8831 2.60/18.0	-	-		420	3	4618
18213 3.24/16.0	17054 3.28/16.3	15786 3.29/16.8	14342 3.27/17.3	12581 3.18/17.9	10091 2.94/18.5	-	-	DP 99	430	5	4728
18925 3.59/17.0	17813 3.63/17.2	16609 3.65/17.7	15262 3.63/18.2	13676 3.57/18.8	11618 3.40/19.3	-	-		445	5	4893
20106 4.22/18.8	19064 4.27/19.0	17950 4.29/19.3	16732 4.29/19.7	15353 4.25/20	13703 4.15/21	7488 3.17/22	-		470	5	5168
21046 4.77/21	20053 4.83/21	19001 4.86/21	17865 4.87/21	16607 4.84/22	15158 4.77/22	10870 4.24/23	-		490	5	5388
21281 4.92/21	20299 4.97/21	19261 5.01/22	18144 5.02/22	16911 5.00/22	15503 4.93/23	11477 4.46/24	-	DP 100	495	5	5443
22683 5.86/24	21765 5.92/24	20803 5.96/24	19782 5.99/25	18680 5.98/25	17463 5.94/26	14401 5.67/27	8269 4.39/28		525	7 1/2	5773
23615 6.55/26	22734 6.62/26	21816 6.66/26	20849 6.69/27	19815 6.70/27	18692 6.68/28	15997 6.48/29	11784 5.76/30		545	7 1/2	5993
24312 7.11/28	23457 7.17/28	22569 7.22/28	21638 7.26/28	20649 7.27/29	19584 7.25/30	17095 7.10/31	13563 6.57/32		560	7 1/2	6158
24544 7.30/28	23697 7.36/28	22819 7.42/28	21899 7.45/29	20924 7.47/30	19877 7.45/30	17447 7.31/31	14082 6.83/33		565	7 1/2	6212

Performance certified is for installation type B - free inlet, ducted outlet.

Power Ratings (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones @ 5' (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A - free inlet fan sone levels.



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