



**ADVANCING
VENTILATION®**

Inline Fans Options

Featuring TD-MIXVENT/TD-SILENT



Advancing Ventilation®

The World's Leading Producer of Air Movement Products

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Soler&Palau
Ventilation Group

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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 “removablebody” 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

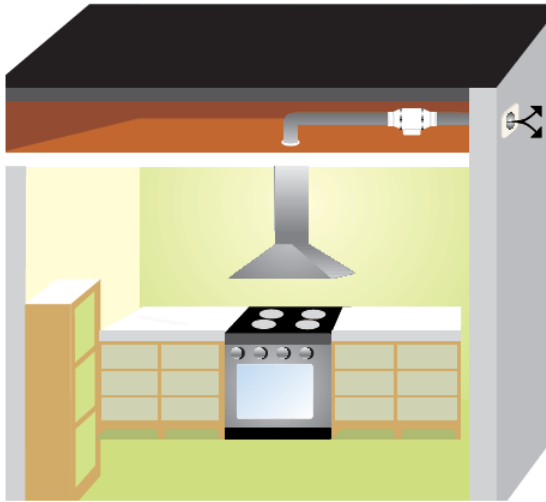
All models within the TD-MIXVENT & TD-SILENT range incorporate a powerful mixed flow impeller and internal air vanes located at the discharge end of the fan housing. This impeller and guide vane combination provides a smooth laminar air flow which in turn minimizes turbulence and noise, and generates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

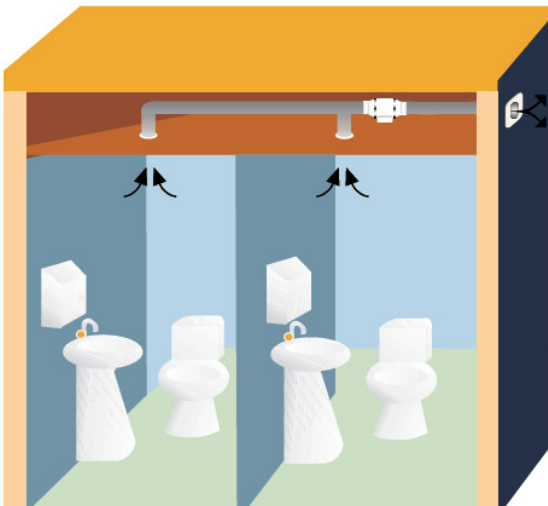
The TD-MIXVENT & TD-SILENT system offers the most versatile installation range on the market, as a result of its multiple combinations; it can be used in a large number of small and mid-range ventilation installations.



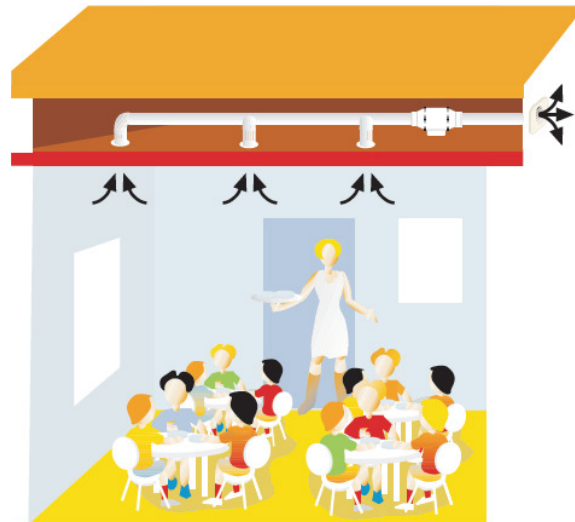
Domestic - Range Hood Exhaust



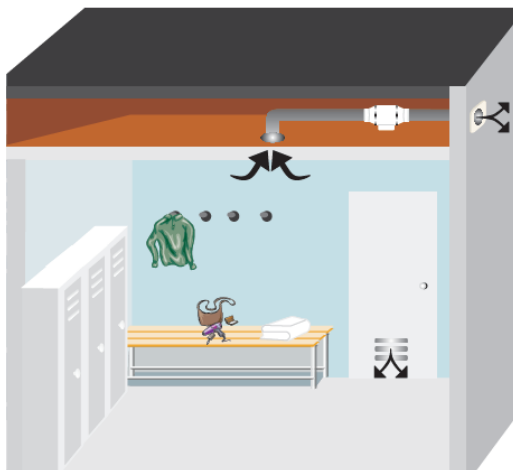
Commercial - Office



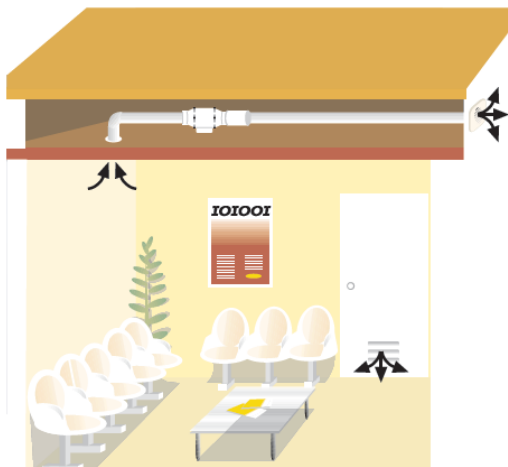
Industrial - Public Restroom



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 150) 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



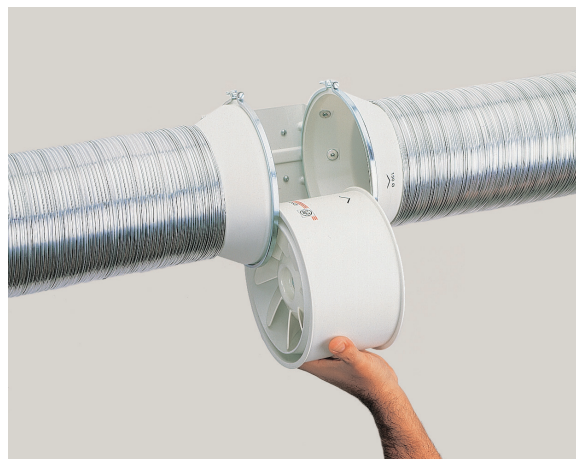
Connect the ducts.

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- Technical Specifications

Warranty

Five (5) year limited warranty.



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 and 150 are manufactured in tough reinforced plastic, models 200, 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 250, 315, 355, and 400 are aluminum.

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

The TD-250 and TD-315 have two speed motor connections. All other fan models have a single speed motor connection.

AMCA Certified Performance

Model	Nom. RPM	Volts / Frequency	Max. Watts @ 0.2" w.g.	Max. CFM	Max. Current (Amps)	Max. SP	Max. Operating Temp. (°F)	Duct Dia. Inches
TD-100	2516	120V / 60Hz	26	101	0.45	0.4"	104°F	4"
TD-100X1	2500	120V / 60Hz	33	135	0.24	0.45"	104°F	4"
TD-125	2146	120V / 60Hz	38	197	0.72	0.55"	104°F	5"
TD-150	2289	120V / 60Hz	65	293	0.54	1.15"	140°F	6"
TD-200	2781	120V / 60Hz	184	538	0.8	1.625"	104 F	8"
TD-250 LS	2400	115V / 60Hz	162	541	2.2A	2.03"	140°F	10"
TD-250 HS	3200	115V / 60Hz	241	754	2.2A	2.53"	140°F	10"
TD-315 LS	2000	115V / 60Hz	208	751	2.3A	1.62"	140°F	12.4"
TD-315 HS	2500	115V / 60Hz	335	1050	2.3A	2.95"	140°F	12.4"
TD-355	1536	115V / 60Hz	522	2089	3.9A	1.0"	140°F	14"
TD-400	1559	115V / 60Hz	916	3127	6.3A	1.2"	140°F	16"



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.

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

AMCA Licensed performance ratings.

HVI Certified Performance

Model	Nom. RPM	Volts	Max. Watts @ 0.2" w.g.	CFM v Static Pressure (SP) Ins. WG												Max. Current (Amps)	Duct Dia. Ins.
				0	0.125	0.2	0.25	0.3	0.375	0.4	0.5	0.75	1	1.25	1.5		
TD-100	2564	120	23.5	101	84	70	57	34	18	15	1	-	-	-	-	0.45	4"
TD-100x1	2352	120	26.4	131	112	100	90	78	57	44	27	-	-	-	-	0.23	4"
TD-125	2392	120	37.8	200	177	160	146	129	89	78	41	-	-	-	-	0.32	5"
TD-150	2290	120	62.1	295	272	260	251	242	229	224	204	122	33	-	-	0.54	6"
TD-200	2022	120	113	475	448	430	418	406	385	378	352	264	142	-	-	1.03	8"
TD-250 HS	2721	120	210	815	782	760	744	726	699	690	654	561	449	322	241	2.27	10"
TD-250 LS	1982	120	147	612	557	520	493	463	417	401	329	233	178	135	75	1.32	10"
TD-315 HS	2559	120	303	1027	965	940	925	908	875	862	803	672	505	368	291	2.49	12"
TD-315 LS	1888	120	194	811	726	660	633	592	532	512	421	234	168	110	51	1.55	12"

LS = Low Speed / HS = High Speed

HVI certified performance is at 0.2" of static pressure



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.



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



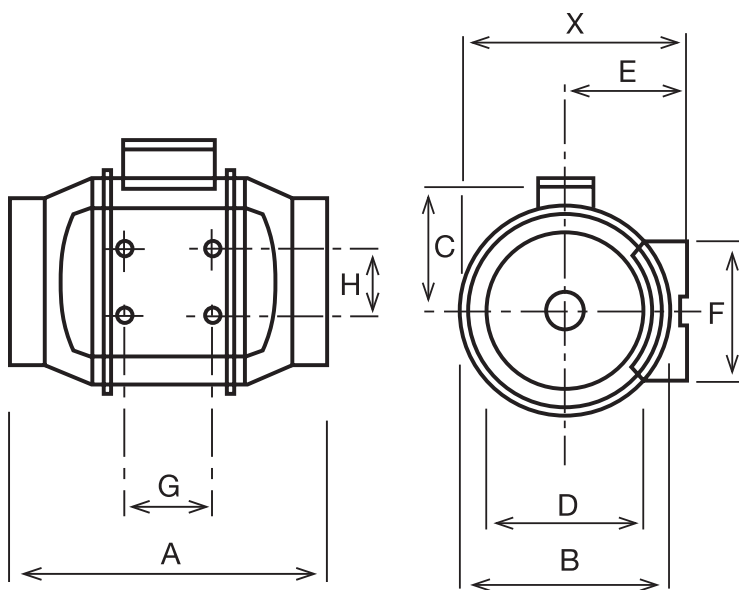
The TD-MIXVENT Models 100, 100x1 and 150 are California Title 24 compliant and meet ASHRAE 62.2 when installed with a CVC and other TD models are compliant when installed with a 3 way switch and remotely mounted speed control.



TD 250 & 315 are UL listed for outdoor use.

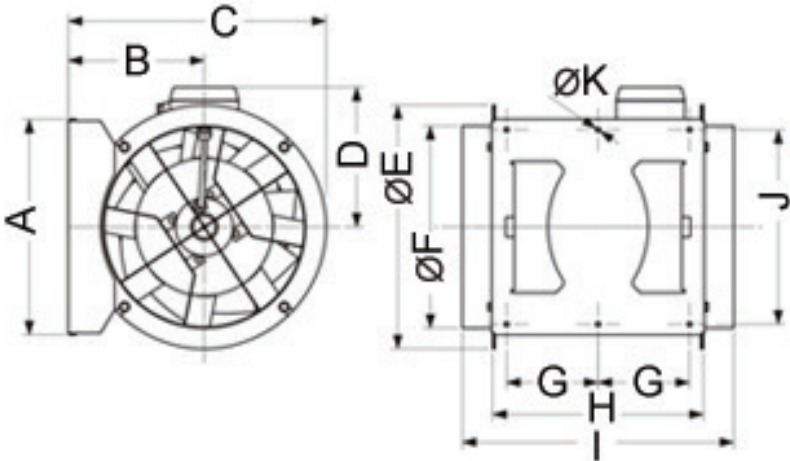
Dimensions for Models 100-315 (inches/mm)

Model	X	A	B	C	D	E	F	G	H	Wgt. (lbs)
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	4
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	6
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	6
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	9
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	13
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	21
TD-315	14 356	17-11/16 450	13-1/4 336	8-13/16 224	12-5/16 312	7-3/8 188	8-1/4 210	7-3/16 182	7 178	31



Dimensions for Models 355-400 (inches/mm)

Model	A	B	C	D	E	F	G	H	I	J	K	Wgt. (lbs)
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	68
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	78



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.
All TD kits have standard 7-year warranty.

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 a 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

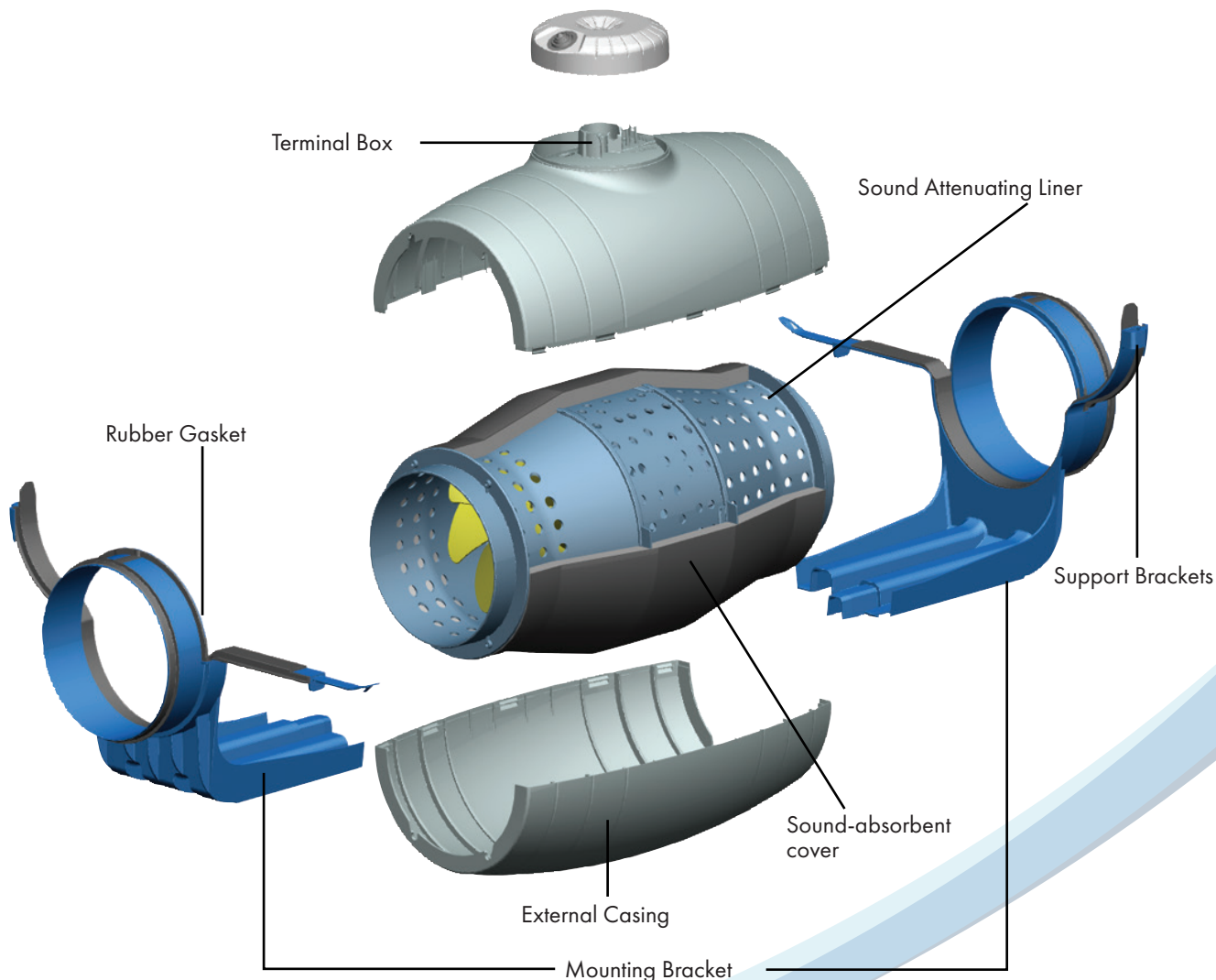
General Details of the TD-SILENT Range



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°



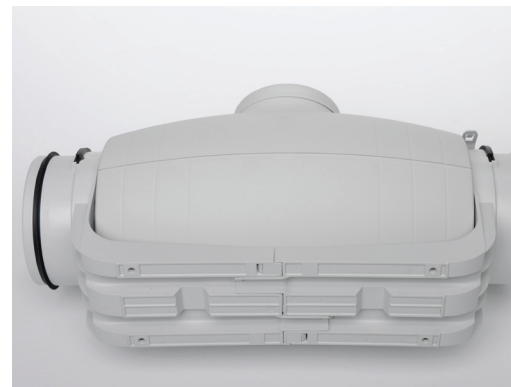
Connection box can be rotated 360°, to facilitate easy connection of the power cable.

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



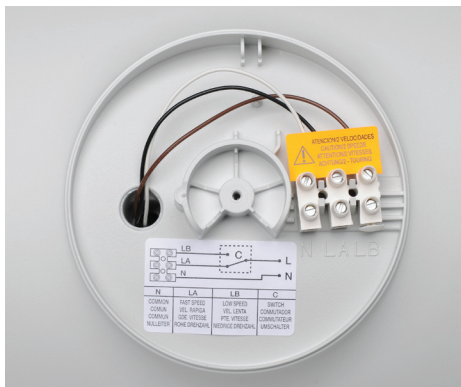
Remove the fan body.

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

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 Characteristics

AMCA Certified Performance

Model	Nom. RPM	Volts / Frequency	Max. Watts	Max. CFM	Current (Amps)	Max. SP	Max. Temp. of Transported Air	Duct Dia. Inches
TD-125XS	2500	120V / 60Hz	36W	203	0.32A	0.6"	104°F	5"
TD-150S	2700	120V / 60Hz	65W	333	0.54A	1.2"	140°F	6"
TD-200S	2200	120V / 60Hz	122W	530	0.80A	1.2"	140°F	8"



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

HVI Certified Performance

Model	Nom. RPM	Volts	Max. Watts @ 0.2" w.g.	CFM v Static Pressure (SP) Ins. WG												Max. Current (Amps)	Duct Dia. Ins.
				0	0.125	0.2	0.25	0.3	0.35	0.375	0.4	0.45	0.5	0.75	1		
TD-125XS HS	2294	120	35.4	199	170	150	134	114	93	80	70	49	28	-	-	0.3	5"
TD-150S HS	2303	120	60.9	309	284	270	260	250	239	233	227	216	204	121	30	0.53	6"
TD-200S HS	2007	120	115	502	478	460	449	437	424	417	411	399	387	325	183	1.03	8"



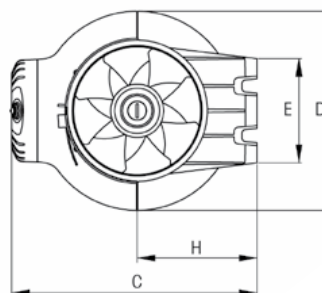
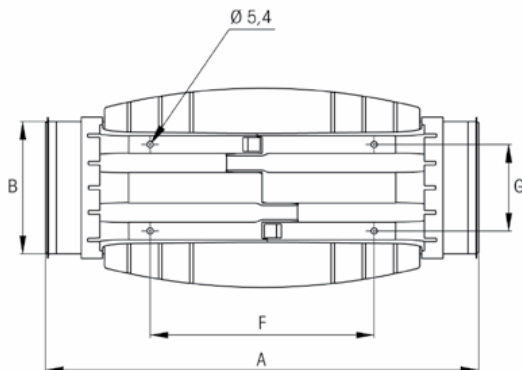
LS = Low Speed / HS = High Speed
HVI certified performance is at 0.2" of static pressure



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	Wgt. (lbs)
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	11.9
TD-150S	19-1/16	5-13/16	10-13/16	8-1/16	4-9/16	9-13/16	3-3/4	5-1/4	13.2
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	19.2



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.

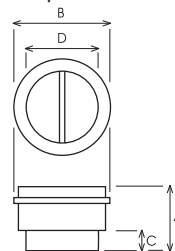


MCA

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.

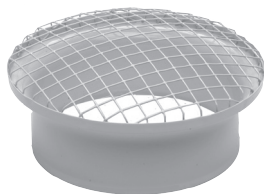
Model	Type TD
MCA-100	100
MCA-125	125
MCA-150	150
MCA-200	200
MCA-250	250
MCA-315	315

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

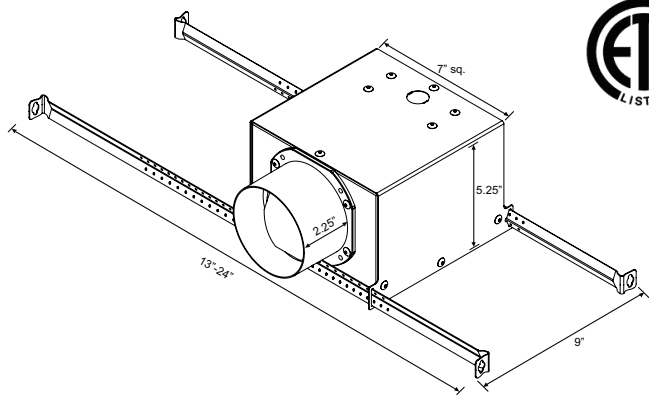
Available with LED Bulbs



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

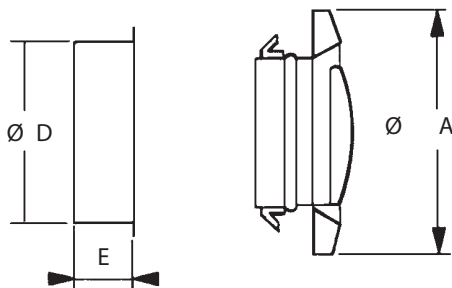
PG Collar

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



GRA
Aluminum exterior fixed
grilles



SR
Reducer



SY
Y sheet metal adapter

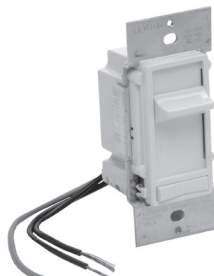


SIL
Acoustic attenuators

Electrical accessories



EPBT
Electronic push button timer



SCS
Speed control slide type



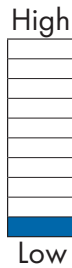
SC
Speed control

Mixed Flow Fans vs. Axial & Centrifugal Fans

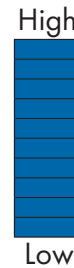
Axial Fans

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

Noise Level



Air Volume

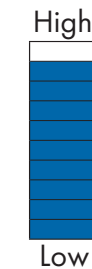
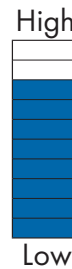


Static Pressure



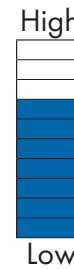
Centrifugal Fans

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

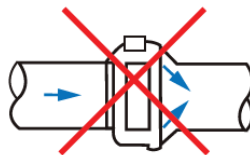


Mixed Flow Fans**

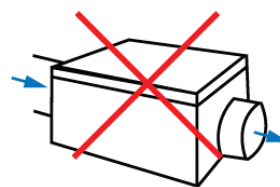
- Low noise levels
- High air volumes
- Significant static pressure capability*



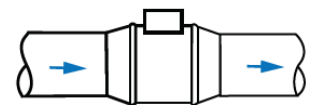
Classic Centrifugal



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

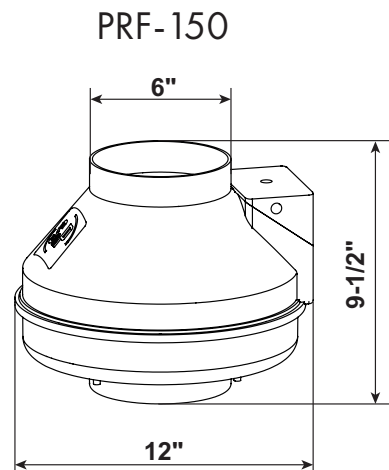
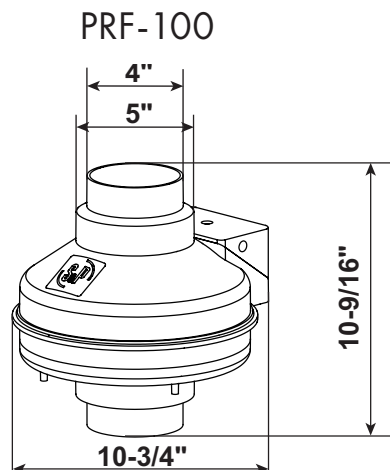
- Duct connections sized for easy fit with standard PVC couplings typically used in radon mitigation applications
- Totally enclosed air over
- Fully sealed, high quality plastic housing
- Large, easily accessible, watertight electrical box for unobstructed wiring process
- Easily mount on duct pipe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



PRF Performance

Model	Size	Electrical	Power (W)	Current (A)	CFM @ SP						RPM
					0.00	0.20	0.40	0.60	0.80	1.00	
PRF-100	4"	1/60/120V	92	0.77	169	150	133	117	99	82	3080
PRF-150	6"	1/60/120V	136	1.15	321	290	263	238	217	193	2890

Dimensions



Radon Installation Kits

S&P offers convenient kits for easy installation. Kits include two flexible black 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-100x	2880	115	84	153	142	130	120	111	96	80	63	34	1.85	4"
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-200x	2930	115	180	544	515	485	446	415	360	312	273	230	2.64	8"
PV-250x	3045	115	214	618	595	570	540	510	450	390	340	297	2.80	10"
PV-315x	2730	115	365	943	903	860	815	766	628	511	440	389	3.9	12.4"

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.



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.

Also Available from S&P

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	Frequency	Max. Current	Max. Watts	CFM vs. Static Pressure (SP) Ins. WG									
						0"	0.1"	0.2"	.25"	0.375"	0.5"	0.75"	1.0"	1.5"	
SWF-100	1963	120	60 Hz	0.5 A	57.9	117	100	88	80	59	40	10	-	-	
SWF-100X	2569	120	60 Hz	0.62 A	71.5	138	130	121	116	105	96	73	47	-	
SWF-150	2357	120	60 Hz	0.66 A	78.5	239	220	201	192	170	152	112	72	29	
SWF-150X	2864	120	60 Hz	0.91 A	111	306	290	276	266	243	220	184	137	35	
SWF-200	2710	120	60 Hz	1.09 A	130	422	400	379	368	341	315	263	205	87	





**ADVANCING
VENTILATION®**

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