



TD-SILENT



Extremely Quiet Inline Mixed Flow Duct Fans
Designed For Rigid Duct Applications

Advancing Ventilation®

MODEL TD-SILENT

EXTREMELY QUIET INLINE MIXED FLOW DUCT FANS



MODEL FEATURES

- Exhaust air up to 502 CFM with static pressure capabilities to 1" w.g.
- Mixed flow impeller for excellent airflow to pressure performance ratio
- Direct connection, single-speed motor
- Ideal for applications where space is limited
- HVI Certified
- AMCA Seal for Air Performance
- cULus Listed
- Energy Star® qualified



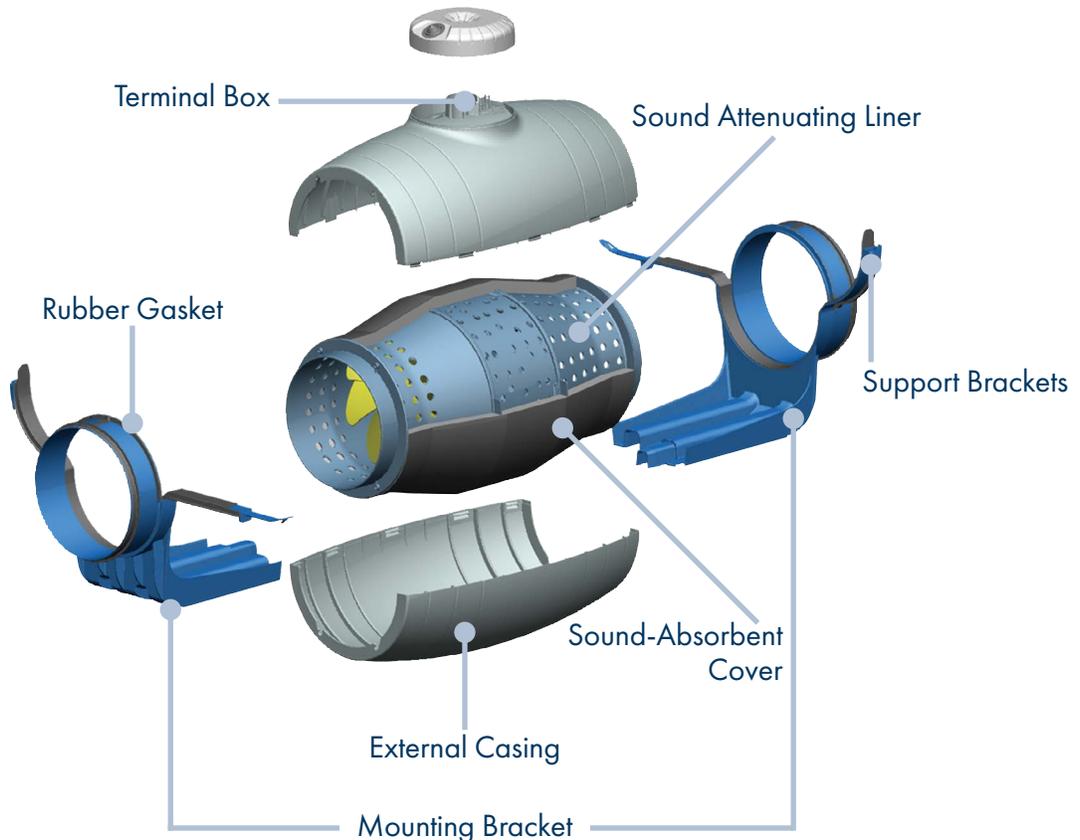
TD-Silent is available in our Quickship program.



MODEL OVERVIEW

The TD-SILENT fans as the name suggests, are extremely quiet, low profile "Mixed-flow" fans. Manufactured in plastic material with an external connection box, the body is easily dismantled with a single speed controllable 115V 60Hz 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 facilitate installation, absorb vibrations, and provide a virtually air-tight seal.

The TD-SILENTs offer the same simple installation features as the extremely popular TD-MIXVENT fans with an integral mounting bracket, removable body, and a terminal box that can be rotated 360 degrees. The low profile of the fans makes them the ideal product for installations with low height limits, such as the case of suspended ceilings.



Industry best 5 year fan housing and motor warranty

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CONSTRUCTION/SPECIFICATION CHECKLIST

Warranty

Five (5) year limited warranty.

Construction

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

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.

Impellers

The impeller blades are molded in tough ABS plastic.

Long Life

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

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.

Motors

Model 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
- Class B Motor Insulation
- Safety auto reset Thermal Overload Protection (fuse type)
- Self-lubricating sleeve bearings.
- Suitable for working airstreams up to 104°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.

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

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OPTIONS/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.



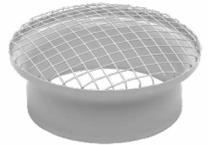
FT247 - Programmable Fan Timer: S&P offers the FT247 with easy programming for your bathroom fan ventilation needs. Simply set what time you want the fan to turn on and off and what day or days you want the fan to run.



MCA - Backdraft Damper: 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.



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



MBR - Circular Fan Duct Connector : Flanges enable TD devices to connect in a series.



PG - Premium Intake Grille: S&P's premium, decorative round plastic grilles come standard with steel collars for easy mounting and installation.



BOC - Metal Interior Air Valve: Exhaust grilles for bathrooms, toilets and other small rooms. All models offer an adjustable central valve to regulate the airflow.



BOR - Plastic Interior Air Valve: Exhaust grilles for bathrooms, toilets and other small rooms. All models offer an adjustable central valve to regulate the airflow.

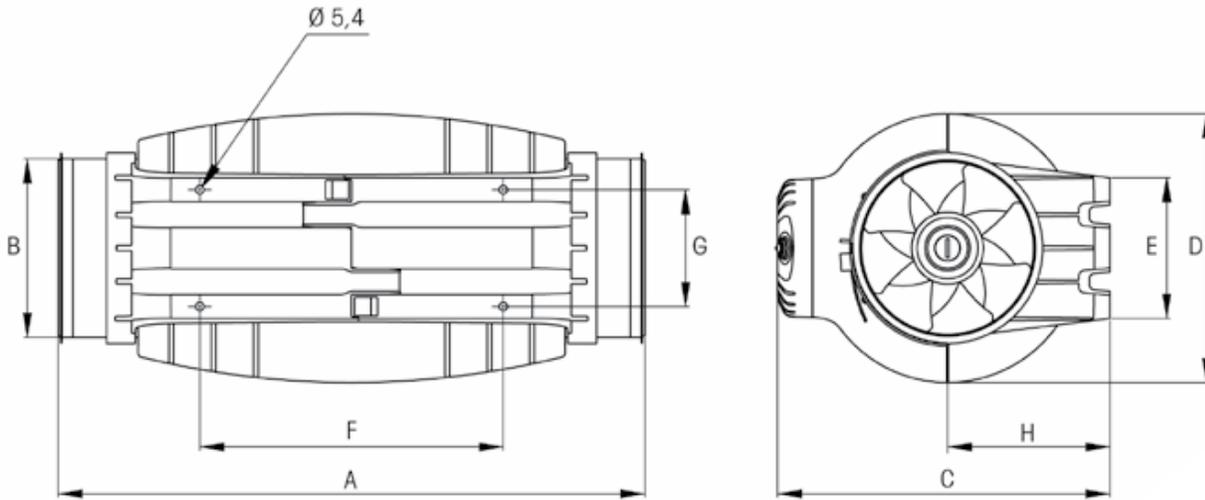


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DIMENSIONS (inches)



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

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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"



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. 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.

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.

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