

Multi-Port Centrifugal Fans for Round Duct

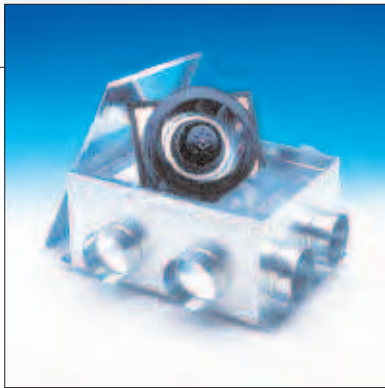
when you need to exhaust many points to one



CVS Series



Top photo – 2-port model 275A. Right-hand photo 4-port models 300A and 400A.



CVS Series Fans

For all these reasons... and more

- Galvanized steel housing
- External rotor motor with backward-curved centrifugal fan wheel constructed of high-density polyamide, easily removable from housing for service without disturbing the installation
- Internal scroll for maximum air performance
- Well-designed inlet venturi for optimum efficiency
- Permanently lubricated sealed ball bearings
- 100% speed controllable for highly efficient and economical airflow
- Suitable for airstream temperatures up to 140° F
- UL Listed; CSA Certified
- Five-year warranty



Fantech's external rotor motor. Quiet, efficient and reliable.

Fantech CVS Series

Compact, quiet and dependable

Multi-unit housing makes incredible demands on ventilation. Fantech's CVS Series inline duct fans are designed to meet those challenges with ease.

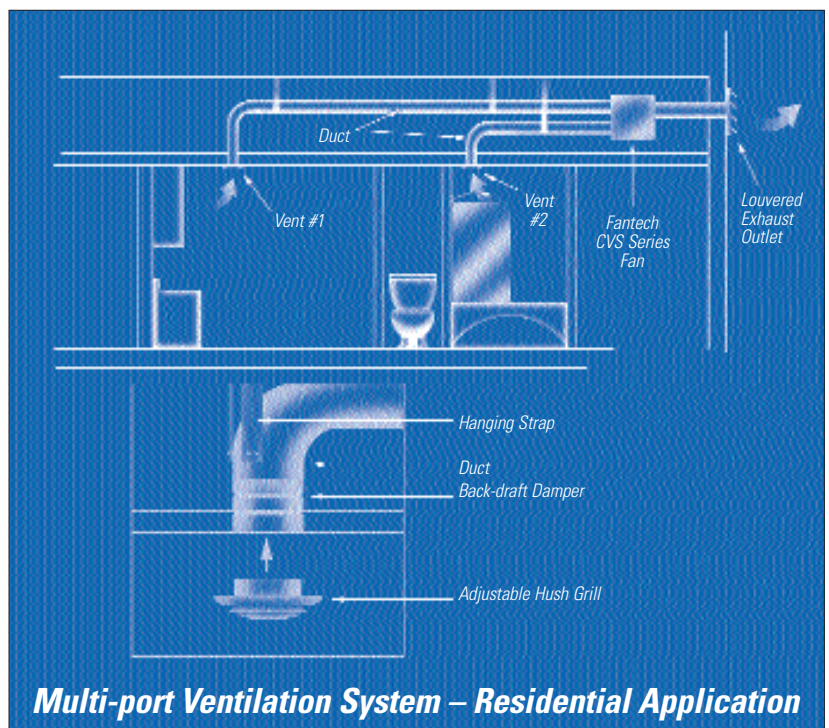
These lightweight circular duct fans have been engineered for installation in areas with limited space, such as between floors in apartment buildings or high rise suites. The multi-port direct driven centrifugal fan can exhaust up to several points and multiple applications into one central point without the use of adapters or transitions. The motorized impeller is both statically and dynamically balanced as one integral unit, for vibration-free and whisper-quiet performance.

- Model CVS 275A allows for two ventilation points, delivering 220 CFM @ .2" WG
- Model CVS 300A and Model CVS 400A allow for four ventilation points, delivering 320 CFM @ .2" WG (CVS 300A), and 380 CFM @ .2" WG (CVS 400A)

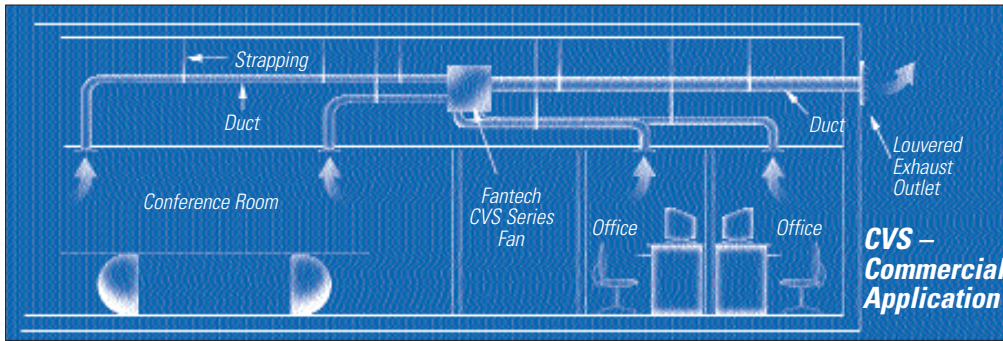
Easy installation. All parts included.

Fantech CVS fans are simple to install, with all parts included (ducted exhaust fan casing, motor assembly, cover, and sheet metal screws).

Simply select the fan mounting location, taking into account the type of application, service accessibility, and distance from exhaust point (to minimize fan operating noise). Next, fasten the mounting casing to the ceiling, using either threaded rod or wires to suspend the unit. Finally, connect the ductwork to inlet and outlet of the fan using CB or FC clamps or duct tape. Congratulations—you've just installed one of the world's finest multi-port fans.



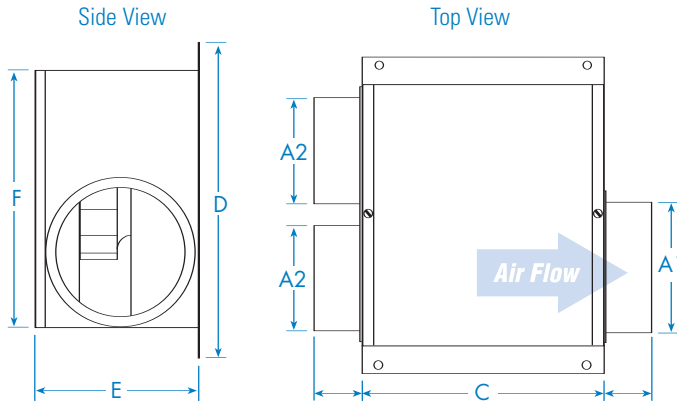
Multi-port Ventilation System – Residential Application



CVS400A and CVS300A multi-port ventilation fans are powerful, quiet and efficient. In the work place or at home Fantech is "Your Ventilation Solutions Company".

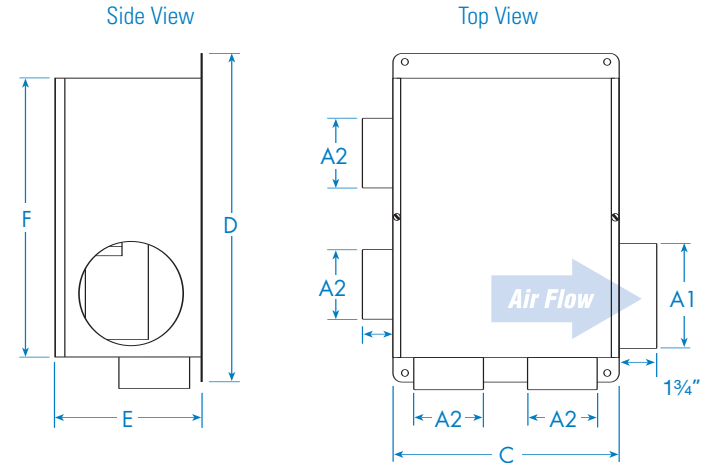
Specifications

CVS Series Dimensional Data



model	A1	A2	C	D	E	F
CVS275A	6	5	11	15	7 $\frac{7}{8}$	12

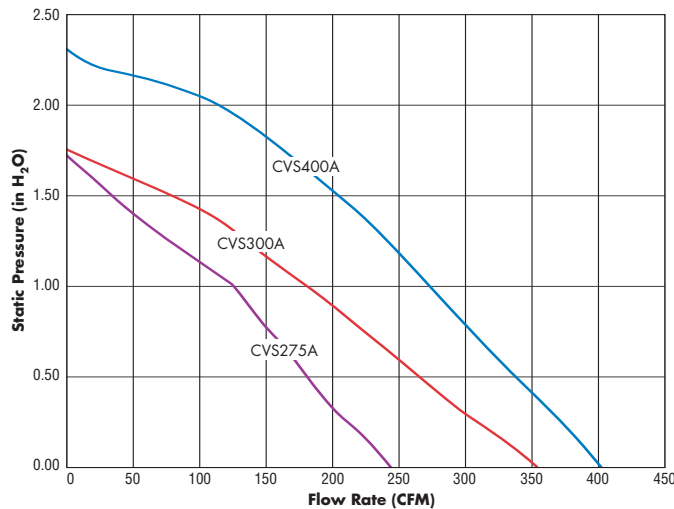
All dimensions in inches. ¹ Duct connections are $\frac{1}{8}$ " smaller than duct size.



model	A1	A2	C	D	E	F
CVS300A	6	4	13	18 $\frac{3}{4}$	8 $\frac{1}{4}$	16
CVS400A	6	4	13	18 $\frac{3}{4}$	8 $\frac{1}{4}$	16

All dimensions in inches. ¹ Duct connections are $\frac{1}{8}$ " smaller than duct size.

CVS Series Air Performance Graph



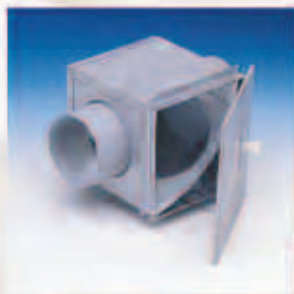
CVS Series Performance Data

Fan Model	RPM	Volts	Rated Watts	Wattage Range	Max. Amps	Static Pressure in Inches W.G							Max. Ps	Duct Dia.
						0"	.2"	.4"	.6"	.8"	1.0"	1.5"		
CVS275A	2550	115	92	78 - 93	0.79	245	220	192	171	147	126	34	1.72"	5"
CVS300A	2500	115	123	110 - 123	1.07	355	320	283	249	215	180	79	1.76"	4"
CVS400A	2950	115	156	130 - 158	1.41	404	380	352	324	299	274	204	2.30"	4"

CVS Series performance is shown with ducted outlet. Per HVI's Certified Ratings Program, charted air flow performance has been derated by a factor based on actual test results and the certified rate at .2 inches WG.

Specialty Accessories

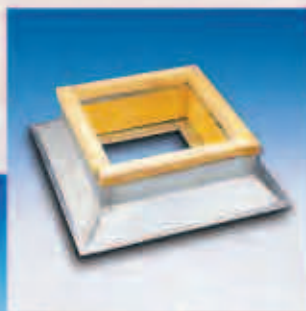
Inline Lint Trap—DBLT



Fan Proving Switch—DB10



Roof Curb—IC



Stainless Steel Hood Liner—SHL



Vent Light Fixture—VLC64



Low Silhouette Axial Fans

the perfect solution when space is a problem



FADE Series



Fantech FADE Series

These fans handle major ventilation challenges – even large warehouses – effectively and quietly, without taking up a lot of valuable space.

FADE Series axial fans are designed for structural stability, with a slim profile for conservation of space and safety. All FADE Series fans combine aerodynamically designed propeller blades and motor rotor into one expertly integrated unit.

With fan sizes ranging from 8" to 25", Fantech's FADE Series fans move a lot of air, yet are statically and dynamically balanced for vibration-free operation. The external rotor motorized propeller provides excellent heat dissipation, even at low RPM.

Easy set-up. Hard to beat.

Fantech's FADE Series is designed to conserve space while being acceptable for continuous duty. And FADE Series fans are simple to install;

no installation extras are required. Fans arrive fully assembled and ready for immediate installation. Simply mount the fan's motorized propeller assembly directly to the wall panel. The housing is removable for access to the motor and wiring connections.



FADE 'S'ickle type sidewall propeller fan

FADE's external rotor motor The strong and silent type

All FADE fans include motor-side guards as standard. FADE Series motors are a totally enclosed Class B direct driven external rotor type and are 100% speed controllable. To change the speed, simply decrease the voltage with either a solid state or transformer-type control.

FADE Series fans feature heavy gauge galvanized steel, baked powdercoat finish, and an external rotor motorized propeller. Propeller options are formed steel blades featuring an 'S' blade design, or die-cast aluminum with an 'A' blade design. Either blade option is integrally mounted to the motor.

The external rotor motor at the heart of FADE fans has automatic reset thermal overload protection, and is capable of operating in ambient air or airstream temperatures of up to 100° F.



FADE 'A'irfoil type sidewall propeller fan

More FADE Series features:

- Permanently lubricated sealed ball bearings
- 100% speed controllable for highly efficient and economical airflow
- Suitable for airstream temperatures up to 100° F
- Airflow up to 7858 CFM
- Integral blades and external rotor for precision balancing
- Formed galvanized steel wall panel with venturi features baked powdercoat finish
- Shallow profile with no protruding motor
- Terminal box with prewired electrical strip
- Three-year warranty

Specifications

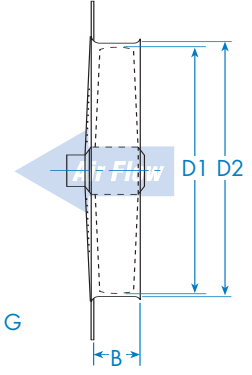
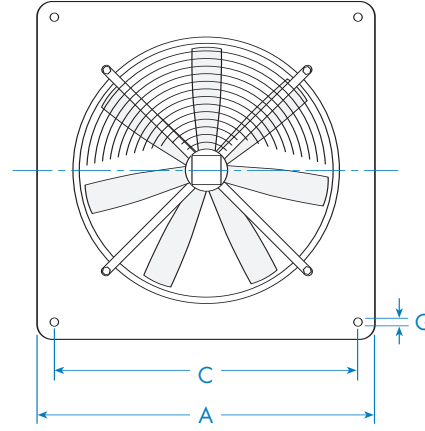
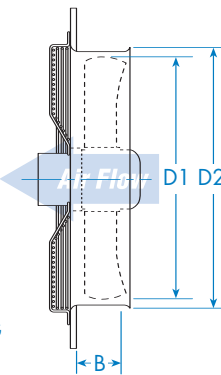
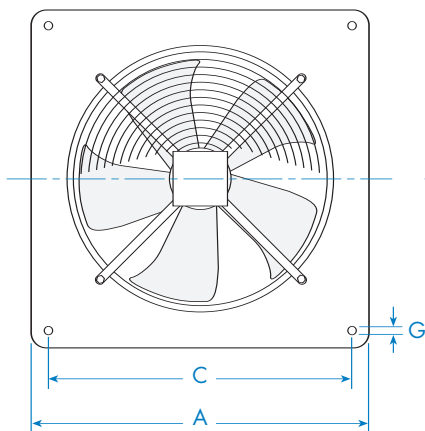
FADE Series Dimensional Data

FADE S-type Front View

FADE S-type Side View

FADE A-type Front View

FADE A-type Side View



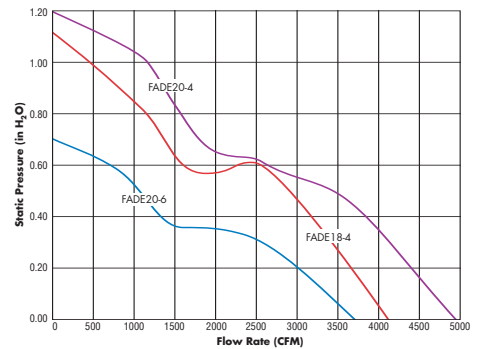
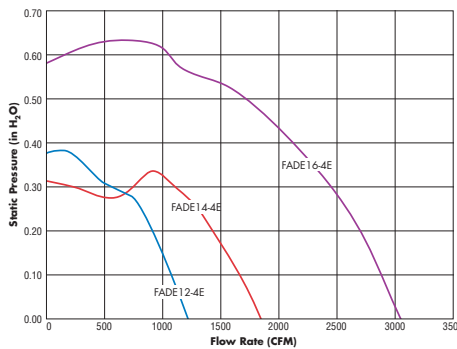
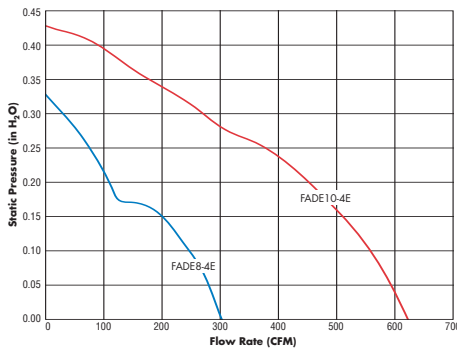
model	A	B	C	D1	D2	G	Blade Type
FADE 8	12 ⁵ / ₁₆	2	10 ¹ / ₄	7 ³ / ₄	8 ¹ / ₁₆	¹ / ₄	S
FADE 10	14 ⁹ / ₁₆	2	12 ⁵ / ₈	10	10 ⁵ / ₁₆	¹ / ₄	S
FADE 12	17	3	15	12	12 ⁷ / ₈	⁵ / ₁₆	S
FADE 14	19 ⁹ / ₁₆	3 ³ / ₈	17 ¹ / ₈	14	15 ³ / ₈	⁵ / ₁₆	S
FADE 16	22 ³ / ₄	3 ¹ / ₂	21	16 ¹ / ₂	17 ¹ / ₄	³ / ₈	S

All dimensions in inches.

model	A	B	C	D1	D2	G	Blade Type
FADE 18	22 ⁹ / ₁₆	4 ¹ / ₄	21	18	18 ¹ / ₂	³ / ₈	A
FADE 20-6	25 ⁵ / ₁₆	4 ¹ / ₂	24 ¹ / ₄	20	20 ¹ / ₂	³ / ₈	A
FADE 20-4	25 ⁵ / ₁₆	4 ¹ / ₂	24 ¹ / ₄	20	20 ¹ / ₂	³ / ₈	A
FADE 22	28 ⁵ / ₈	5 ¹ / ₄	26 ⁹ / ₁₆	22	22 ¹ / ₂	³ / ₈	A
FADE 25	31 ³ / ₄	6	29 ¹ / ₂	25	25 ¹ / ₂	³ / ₈	A

All dimensions in inches.

FADE Series Air Performance Graphs



FADE Series Performance Data (For sound performance data refer to publication #FADE-0899)

Fan Model	RPM	Volts	Max. Watts	Max. Amps	Static Pressure in Inches W.G.						Sones
					0"	.100"	.125"	.25"	.375"	.5"	
FADE 8-4	1550	115	45	0.41 ¹	304	246	224	74	—	—	4.1
FADE 10-4	1500	115	68	0.62 ¹	624	558	533	377	132	—	7.9
FADE 12-4	1400	115	130	1.19 ¹	1208	1069	1030	797	—	—	9.4
FADE 14-4	1200	115	245	2.24 ¹	1839	1654	1599	1295	—	—	9.6
FADE 16-4	1400	115	458	4.19 ²	3054	2882	2839	2570	2198	1699	12.0
FADE 18-4	1550	115	698	6.39 ²	4115	3895	3840	3549	3239	2908	14.3
FADE 20-6	1100	115	435	3.98 ¹	3693	3368	3279	2775	1429	—	10.7
FADE 20-4	1450	115 ³	916	8.39 ²	4949	4682	4615	4274	3917	3445	16.4
FADE 22-6	1000	115 ³	756	6.92 ²	5629	5248	5153	4432	—	—	12.0
FADE 25-6	1000	115 ³	1134	10.38 ³	7858	7355	7230	6557	—	—	14.8

Performance shown is for installation type A - Free inlet, Free outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings include the effects of intake guard in the airstream.

¹ Also available with dual voltage 230/460 three phase motors.

² The sound ratings shown are loudness values in fan sones at 5ft. (1.5m) in hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A: Free inlet fan sone levels. All sone values shown are calculated at 0.1" (static pressure in inches W.G.).

³ Recommended speed control rating 5A. ² Recommended speed control rating 10A. ³ Recommended speed control rating 15A.



Fantech, Inc. certifies that the FADE Series 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.