

# FADE Series

## Axial Fans

Fantech's FADE series axial fans are designed to affectively and quietly handle major ventilation challenges in locations such as large warehouses without taking up a lot of valuable space.

All FADE Series fans combine aerodynamically designed propeller blades and rotor motor into one expertly integrated unit. Fans feature heavy gauge galvanized steel, baked powdercoat finish. Propeller options are formed steel blades featuring an 'S' blade design or die-cast aluminum with an 'A' blade design.

With fan sizes ranging from 8" to 25" (203 to 635 mm), 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. Rated for continuous duty.

### Simplified Ordering

Now Fantech offers two ways to order the FADE Series. Use the "Fan Only" model numbers to order fan alone or use the new "Fully Assembled" model numbers and you'll receive the Fan fully assembled with wall collar and backdraft damper.

### Easy Set-Up

In most installations, no extras are required. Note: Assembled units will require bracing (by others) if installed in a metal building.

### External Rotor Motor Key to Power and Performance

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. All FADE fans include motor-side guards as standard.

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 (38° C).

### Features and Benefits

- Up to 7858 CFM
- Formed galvanized steel wall panel with venturi features baked powdercoat finish
- 100% speed controllable for highly efficient and economical airflow
- Permanently lubricated sealed ball bearings
- Suitable for airstream temperature of up to 100° F (38° C)
- Integral blades and external rotor for precision balancing
- Shallow profile with no protruding motor
- Terminal box with prewired electrical strip
- 3 year warranty



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 AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

### Accessories



**WC 15**  
Speed Control



**RPE**  
Speed Control



**SCD**  
Speed Control



**FTD 7**  
7 Day Timer



**FH 20**  
Dehumidistat



**FAT 10**  
Thermostat

## Specification Data

Model	Rated power	Voltage / phase	Max amps	RPM	0.0" P <sub>s</sub>	0.1" P <sub>s</sub>	0.25" P <sub>s</sub>	0.375" P <sub>s</sub>	0.5" P <sub>s</sub>	Sones <sup>1</sup>	Shipping weight	
	W	V / ~	A	min <sup>-1</sup>	cfm							lbs
FADE 8-4	45	120/1	0.41 <sup>1</sup>	1550	304	246	74	-	-	4.1	15	7
FADE 10-4	68	120/1	0.62 <sup>1</sup>	1500	624	558	377	132	-	7.9	15	7
FADE 12-4 / FADE 12-4 WHD	130	120/1	1.19 <sup>1</sup>	1400	1208	1069	797	-	-	9.4	20	9
FADE 14-4 / FADE 14-4 WHD	245	120/1	2.24 <sup>1</sup>	1200	1839	1654	1295	-	-	9.6	20	9
FADE 16-4 / FADE 16/4 WHD	458	120/1	2.70 <sup>1</sup>	1400	3054	2882	2570	2198	1699	12.0	25	11
FADE 18-4 / FADE 18-4 WHD	698	120/1	6.39 <sup>2</sup>	1550	4115	3895	3549	3239	2908	14.3	30	14
FADE 20-4 / FADE 20-4 WHD	1450	120/1	8.39 <sup>2</sup>	1450	4949	4682	4274	3917	3445	16.4	45	20
FADE 20-6 / FADE 20-6 WHD	435	120/1	3.98 <sup>1</sup>	1100	3693	3368	2775	1429	-	10.7	45	20
FADE 22-6 / FADE 22-6 WHD	756	120/1	6.92 <sup>2</sup>	1000	5629	5248	4432	-	-	12.0	55	25
FADE 25-6 / FADE 25-6 WHD	1134	120/1	10.38 <sup>3</sup>	1000	7858	7355	6557	-	-	14.8	65	29

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.

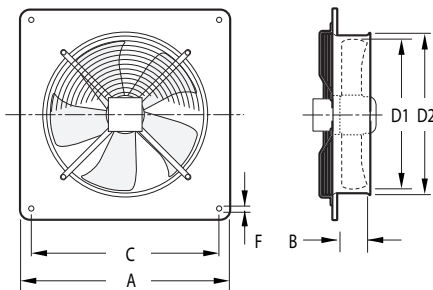
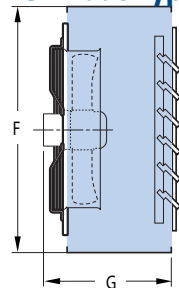
The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical fan sone levels.

<sup>1</sup>WHD model fan is fully assembled and includes a wall cabinet and a backdraft damper.

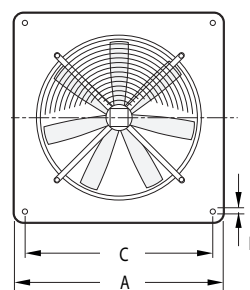
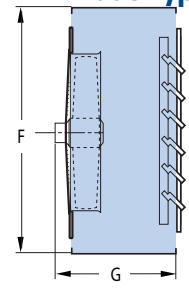
<sup>1</sup> Recommended speed control rating at 5A <sup>2</sup> Recommended speed control rating at 10A <sup>3</sup> Recommended speed control rating at 15A

## Dimensions

## FADE S Blade Type

FADE WHD  
S Blade Type

## FADE A Blade Type

FADE WHD  
A Blade Type

Model	A	B	C	D1	D2	E	F	G	Blade Type
FADE 8-4	12 5/16 (313)	2 (51)	10 1/4 (260)	7 3/4 (197)	8 1/16 (204)	1/4 (6)	-	-	S
FADE 10-4	14 9/16 (370)	2 (51)	12 5/8 (321)	10 (254)	10 5/16 (262)	1/4 (6)	-	-	S
FADE 12-4 / FADE 12-4 WHD	17 (432)	3 (76)	15 (381)	12 (305)	12 7/8 (327)	5/16 (8)	21 (533)	15 1/2 (394)	S
FADE 14-4 / FADE 14-4 WHD	19 3/16 (487)	3 1/8 (79)	17 1/8 (435)	14 (356)	15 3/8 (391)	5/16 (8)	21 (533)	15 1/2 (394)	S
FADE 16-4 / FADE 16-4 WHD	22 3/4 (578)	3 1/2 (89)	21 (533)	16 1/2 (419)	17 1/4 (438)	3/8 (10)	24 (610)	16 1/2 (419)	S
FADE 18-4 / FADE 18-4 WHD	22 9/16 (574)	4 1/4 (108)	21 (533)	18 (457)	18 1/2 (470)	3/8 (10)	24 (610)	16 1/2 (419)	S
FADE 20-4 / FADE 20-4 WHD	25 3/16 (640)	4 1/2 (114)	24 1/4 (616)	20 (508)	20 1/2 (520)	3/8 (10)	26 (660)	17 1/2 (445)	A
FADE 20-6 / FADE 20-6 WHD	25 3/16 (640)	4 1/2 (114)	24 1/4 (616)	20 (508)	20 1/2 (520)	3/8 (10)	26 (660)	17 1/2 (445)	A
FADE 22-6 / FADE 22-6 WHD	28 5/8 (727)	5 1/4 (133)	26 9/16 (675)	22 (559)	22 1/2 (572)	3/8 (10)	32 (813)	18 3/4 (476)	A
FADE 25-6 / FADE 25-6 WHD	31 3/4 (806)	6 (152)	29 1/2 (749)	25 (635)	25 1/2 (648)	3/8 (10)	32 (813)	18 3/4 (476)	A

All dimensions in inches (mm). Male duct connector is 1/8" smaller than duct size.

## Customer Support:

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