

# 5DDD Series

## Direct Drive Downblast Roof Ventilator

### Application

Direct-drive downblast ventilators are designed for use where steady exhaust ventilation is needed under low to moderate static pressure conditions. Ventilators can be mounted on the roof or wall. Wall applications require a curb or other means of clearance from wall.

### Design

All models are equipped with a backward inclined aluminum fan wheel and a speed controllable motor.

### Certification

All models are UL 705 listed.



Fantech, Inc. certifies that the models shown are licensed to bear the AMCA Seal. The ratings are based on the tests and procedures performed in accordance with AMCA Publication 211 and Publication 311 and comply with the requirements of the AMCA Certified Ratings Program. Performance certified is for installation type A- Free inlet, Free outlet. Performance ratings include the effects of the bird screen.



- Airflow up to 4,037 cfm
- Externally cooled motor compartment
- Equipped with a built-in bird screen
- Air stream temperatures up to 170 °F



### Specification data

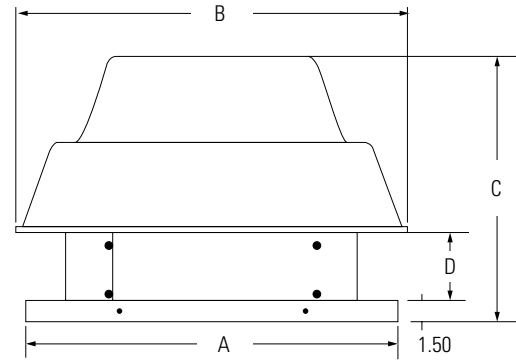
Model	Rated power	Voltage / phase	Amperage full load	RPM	0.0" P <sub>s</sub>	0.25" P <sub>s</sub>	0.375" P <sub>s</sub>	0.50" P <sub>s</sub>	0.625" P <sub>s</sub>	0.75" P <sub>s</sub>	1.00" P <sub>s</sub>	Shipping weight	Shipping class	Item #	
	HP	V / ~	Amps	min <sup>-1</sup>	cfm										lbs
	Sones <sup>†</sup>   BHP <sup>#</sup>														
5DDD 085A	1/25	120	1.5	1661	414	259	157	-	-	-	-	26	2	47386	
					6.8   -	5.9   -	5.4   -	-	-	-	-				
5DDD 106A	1/20	120	1.2	1150	645	309	-	-	-	-	-	41	2	47387	
					5.5   -	5.0   -	-	-	-	-	-				
5DDD 10AA	1/6	120	2.7	1650	985	824	724	619	498	352	-	44	2	47388	
					9.6   -	9.1   -	8.1   -	7.9   -	7.8   -	-	-				
5DDD 12CA	1/3	120	4.0	1694	1743	1605	1543	1475	1392	1316	1137	55	2	47392	
					15.6   0.35	14.9   0.36	14.6   0.36	14.2   0.37	13.8   0.38	13.6   0.39	13.2   0.39				
5DDD 13DB	1/2	120/230	8.0 / 4.0	1684	2553	2402	2326	2245	2159	2073	1866	66	2	47394	
					18.2   0.44	17.1   0.48	15.6   0.49	14.2   0.51	13.4   0.51	12.7   0.56	11.4   0.57				
5DDD 15CA	1/3	120	4.4	1124	2160	1930	1792	1645	1481	1255	-	138	2	47399	
					11.9   0.32	11.1   0.34	10.3   0.34	9.7   0.34	9.1   0.34	9.0   0.34	-				
5DDD 16DB	1/2	120/230	6.2 / 3.1	1143	2914	2660	2526	2389	2231	2061	1493	149	2	47401	
					15.9   0.45	14.2   0.48	13.4   0.49	11.7   0.50	10.3   0.50	10.3   0.50	11.0   0.49				
5DDD 18EB	3/4	120/230	10.5 / 5.0	1106	4037	3766	3629	3476	3324	3147	2765	164	2	47403	
					19.8   0.75	19.2   0.80	18.8   0.82	18.4   0.85	18.0   0.87	17.8   0.89	17.5   0.89				

Performance certified is for installation type A: free inlet, free outlet. Performance rating includes the effects of bird screen. Speed (RPM) shown is nominal, and performance is based on actual speed of test.  
<sup>†</sup> The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA standard 301. Values shown are for installation type A, free inlet hemispherical sone levels.

## Dimensions

Model	A	B	C	D
5DDD 085A	19	18 7/8	13 1/4	3 1/2
5DDD 106A	19	22 3/8	16 1/2	3 3/8
5DDD 10AA	19	22 3/8	16 1/2	3 3/8
5DDD 12CA	22	24 1/4	17 7/8	4
5DDD 13DB	22	25 5/8	18 1/8	4 3/8
5DDD 15CA	26	27 7/8	18 1/2	4 3/8
5DDD 16DB	26	29 3/4	20 1/4	4 3/4
5DDD 18EB	30	31 5/8	21 3/8	5 5/8

Dimensional information is in inches.



## Accessories



**5ACC.. FS**  
Non-ventilated Curb



**5ACC.. FT**  
Non-ventilated Curb



**5ACC.. RD**  
Roof Damper



**5ACC.. SC**  
Speed Control



**5ACC.. MS**  
Motor Disconnect