PRESSURE DROP - INTAKE AND EXHAUST:

Air Performance testing has been performed in accordance with Test Method as per latest version of ANSI/AMCA Standard 500-D, Figure 5.3 (Duct Upstream and Downstream).



PRESSURE DROP OF DAMPER

12" x 12" - (305 x 305)				
Intake		Exhaust		
Velocity	Pressure Drop	Velocity	Pressure Drop	
(fpm)	(in. w.g.)	(fpm)	(in. w.g.)	
2468	0.044	2471	0.041	
1964	0.03	1965	0.028	
1472	0.01	1472	0.01	
982	0.007	984	0.007	
502	0.002	502	0.001	

PRESSURE DROP OF DAMPER

24" x 24" - (610 x 610)				
Intake		Exhaust		
Velocity	Pressure Drop	Velocity	Pressure Drop	
(fpm)	(in. w.g.)	(fpm)	(in. w.g.)	
2530	0.021	2531	0.017	
1966	0.011	1964	0.009	
1473	0.006	1473	0.007	
976	0.001	976	0.002	
431	0.000	434	0.001	

PRESSURE DROP OF DAMPER

Velocity

(fpm)

2948

2160

1570 981

409

36" x 36" - (914 x 914) Intake Exhaust Pressure Pressure Velocity Drop Drop (in. w.g.) (fpm) (in. w.g.) 0.038 2950 0.026 0.023 2161 0.016 0.011 1571 0.008 0.005 982 0.003 0.004 399 0.001

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Cat ID:

PRESSURE DROP - INTAKE AND EXHAUST:

Air Performance testing has been performed in accordance with Test Method as per latest version of ANSI/AMCA Standard 500-D, Figure 5.3 (Duct Upstream and Downstream).



PRESSURE DROP OF DAMPER

12" x 48" - (305 x 1219)				
Intake		Exhaust		
Velocity	Pressure Drop	Velocity	Pressure Drop	
(fpm)	(in. w.g.)	(fpm)	(in. w.g.)	
2473	0.014	2470	0.012	
1978	0.01	1976	0.009	
1482	0.005	1481	0.004	
984	0.002	982	0.002	
490	0.001	488	0.001	

PRESSURE DROP GRAPH - 48" x 12"



PRESSURE DROP OF DAMPER

48" x 12" - (1219 x 305)				
Intake		Exhaust		
Velocity	Pressure Drop	Velocity	Pressure Drop	
(fpm)	(in. w.g.)	(fpm)	(in. w.g.)	
2531	0.022	2534	0.043	
1587	0.011	1589	0.016	
1189	0.007	1188	0.01	
791	0.005	790	0.006	
394	0.003	397	0.001	





SUGGESTED SPECIFICATION:

Central Ventilation Systems certifies that the Flange Type VCD Models CDF Series as shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Programs.

The AMCA Certified Ratings Seal applies to air performance and air leakage ratings only.

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AIR LEAKAGE

Tested for air leakage at standard air density in accordance with latest version of ANSI/AMCA Standard 500-D, Figure 5.4. Data are based on a torque of 44in-lbs./ft² applied to close and seal the damper during the test. Air leakage is based on operation between $0^{\circ}C-49^{\circ}C$ ($32^{\circ}F-120^{\circ}F$).

Maximum Alowable Leakage, cfm/ft ²						
Class	1 in. w.g.	2 in. w.g.	3 in. w.g.	4 in. w.g.	6 in. w.g.	
1A	3	N/A	N/A	N/A	N/A	
1	4	6	7	8	10	
2	10	14	17	20	25	

AMCA Leakage Class						
Damper Size	1 in. w.g.	2 in. w.g.	3 in. w.g.	4 in. w.g.	6 in. w.g.	
12 inch. x 48 inch. (305 mm x 1219 mm)	Class 1A	Class 1	Class 1	Class 1	Class 1	
36 inch. x 36 inch. (914 mm x 914 mm)	Class 1A	Class 1	Class 1	Class 1	Class 1	
48 inch. x 36 inch. (1219 mm x 914 mm)	Class 1A	Class 1	Class 1	Class 1	Class 1	





Test Figure 5.4 - Test Damper Setup with Outlet Chamber







SUGGESTED SPECIFICATION:

Central Ventilation Systems certifies that the Flange Type VCD Models CDF Series as shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Programs.

The AMCA Certified Ratings Seal applies to air performance and air leakage ratings only.

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