

**AFD Performance Data**
**IP/METRIC DATA: AFD SERIES**

Unit Size	IP Data						NC	Metric Data						Octave Band, dB						
	Neck Vel	Air Flow	Pt	Ps	Near T <sub>50</sub> @ 4 ft	T <sub>50</sub> @ Floor		Neck Vel	Air Flow	Pt	Ps	Near T <sub>.25</sub> @ 1.1 m	T <sub>.25</sub> @ Floor	2	3	4	5	6	7	
	FPM	CFM	"WG	"WG	ft	ft		m/s	L/s	Pa	Pa	m	m							
16"x24"	600	52	.042	0.019	0	1	12	3.05	25	10.4	4.8	0.1	0.2	20	22	25	13	-	-	
	900	78	.094	0.043	1	1	24	4.57	37	23.4	10.8	0.2	0.3	26	29	34	27	16	14	
	1100	96	.140	0.065	1	2	30	5.59	45	34.9	16.2	0.2	0.5	28	33	38	34	25	17	
	1300	113	.196	0.091	1	2	35	6.60	53	48.8	22.6	0.3	0.7	30	36	42	40	33	21	
17"x24"	550	75	.038	0.019	0	2	12	2.79	35	9.5	4.8	0.1	0.7	23	23	25	13	-	-	
	700	95	.062	0.031	0	3	20	3.56	45	15.4	7.8	0.1	0.9	27	28	30	22	-	-	
	1000	136	.126	0.064	1	4	31	5.08	64	31.4	15.8	0.3	1.4	31	36	38	36	27	17	
	1200	164	.181	0.092	1	5	36	6.10	77	45.2	22.8	0.3	1.5	33	40	42	42	37	24	
20"x32"	650	128	.042	0.015	0	2	13	3.30	60	10.3	3.8	0.1	0.8	32	27	23	16	-	14	
	800	157	.063	0.023	0	3	19	4.06	74	15.7	5.7	0.1	0.9	32	30	28	23	11	16	
	1100	216	.119	0.044	1	4	29	5.59	102	29.6	10.8	0.2	1.3	32	35	36	34	25	20	
	1300	255	.166	0.061	1	5	34	6.60	120	41.4	15.1	0.3	1.5	33	38	40	40	32	22	
21"x24"	500	174	.063	0.047	0	4	13	2.54	82	15.7	11.8	0.1	1.1	24	28	25	18	-	-	
	600	209	.091	0.068	1	4	21	3.05	99	22.6	17.0	0.2	1.4	27	32	30	26	14	12	
	725	253	.132	0.100	1	5	28	3.68	119	33.0	24.8	0.2	1.6	31	36	36	34	24	19	
	850	296	.182	0.137	1	6	35	4.32	140	45.3	34.1	0.3	1.7	33	39	41	40	33	26	
21"x48"	650	227	.039	0.013	1	5	13	3.30	107	9.7	3.1	0.3	1.5	23	26	24	16	-	-	
	800	279	.059	0.019	1	6	19	4.06	132	14.7	4.7	0.3	1.8	27	30	30	23	14	-	
	1000	349	.092	0.030	1	7	27	5.08	165	22.9	7.4	0.4	2.2	31	34	36	31	24	14	
	1300	453	.156	0.050	2	8	35	6.60	214	38.8	12.5	0.5	2.5	36	39	42	41	35	25	
24"x32"	350	191	.028	0.020	0	4	11	1.78	90	7.0	5.1	0.1	1.1	11	23	21	12	-	-	
	475	259	.051	0.037	1	5	20	2.41	122	12.8	9.3	0.2	1.6	20	29	28	23	-	-	
	650	354	.096	0.070	1	7	29	3.30	167	24.0	17.4	0.3	2.1	29	36	36	34	24	21	
	800	436	.146	0.106	1	8	35	4.06	206	36.4	26.4	0.4	2.4	36	40	41	41	34	29	
24"x48"	550	300	.035	0.017	1	7	11	2.79	141	8.8	4.1	0.3	2.3	20	28	20	14	-	17	
	675	368	.053	0.025	1	9	18	3.43	174	13.3	6.2	0.3	2.7	24	31	27	22	12	19	
	900	491	.095	0.044	1	10	28	4.57	231	23.6	11.0	0.4	3.2	30	35	35	33	25	22	
	1100	600	.142	0.066	2	11	35	5.59	283	35.3	16.5	0.5	3.5	34	39	42	41	34	24	
29"x48"	400	314	.025	0.015	0	3	11	2.03	148	6.3	3.8	0.1	0.9	16	11	11	-	-	19	
	600	471	.057	0.035	1	6	21	3.05	222	14.2	8.6	0.3	1.7	23	24	24	13	-	21	
	850	667	.114	0.069	2	8	29	4.32	315	28.5	17.3	0.6	2.4	29	35	35	30	23	23	
	1100	863	.191	0.116	3	10	35	5.59	407	47.7	28.9	1.1	3.1	33	43	43	43	35	24	
29"x71"	600	471	.035	0.013	1	10	12	3.05	222	8.7	3.1	0.4	3.0	30	24	17	-	-	18	
	800	628	.062	0.022	2	13	21	4.06	296	15.5	5.5	0.6	4.0	31	31	29	21	14	20	
	1000	785	.097	0.035	3	15	29	5.08	370	24.2	8.7	1.0	4.7	31	37	37	32	25	22	
	1200	942	.140	0.050	5	17	35	6.10	444	34.8	12.5	1.5	5.1	32	42	45	42	33	23	
34"x48"	450	628	.035	0.023	2	6	11	2.29	296	8.8	5.6	0.5	1.8	20	19	17	11	-	-	
	600	837	.063	0.040	3	9	20	3.05	395	15.6	10.0	0.8	2.9	27	28	26	22	14	16	
	800	1116	.112	0.072	5	13	28	4.06	527	27.8	17.8	1.5	3.8	33	36	35	32	26	22	
	1050	1465	.192	0.123	8	16	36	5.33	691	47.9	30.7	2.6	5.0	39	44	44	43	37	27	
34"x71"	450	628	.018	0.006	4	6	11	2.29	296	4.5	1.4	1.1	1.8	29	17	12	-	-	-	
	625	872	.035	0.011	5	10	19	3.18	412	8.8	2.7	1.5	3.0	32	26	23	20	-	16	
	900	1256	.073	0.022	7	14	28	4.57	593	18.2	5.6	2.2	4.3	36	35	34	33	24	21	
	1200	1674	.130	0.040	10	18	35	6.10	790	32.3	9.9	2.9	5.4	38	42	43	43	38	26	
40"x71"	300	654	.012	0.007	3	7	12	1.52	309	3.1	1.7	0.9	2.2	31	15	-	-	-	11	
	500	1090	.034	0.019	7	12	21	2.54	514	8.5	4.7	2.2	3.7	36	27	18	16	12	18	
	800	1744	.088	0.048	11	19	30	4.06	823	21.9	11.9	3.4	5.6	41	37	35	33	27	24	
	1050	2289	.151	0.083	15	21	35	5.33	1080	37.7	20.6	4.5	6.5	43	43	45	43	35	28	

NOTES: Throw values are given for terminal velocities of 50 fpm (0.25 m/s). Throw values are given for -6°F (-3°C) ΔT conditions. N.C. values are based on Octave Band 2 - 7 sound power levels minus a room absorption of 4dB. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI / ASHRAE Standard 70-1991.

DISPLACEMENT VENTILATION

AFD