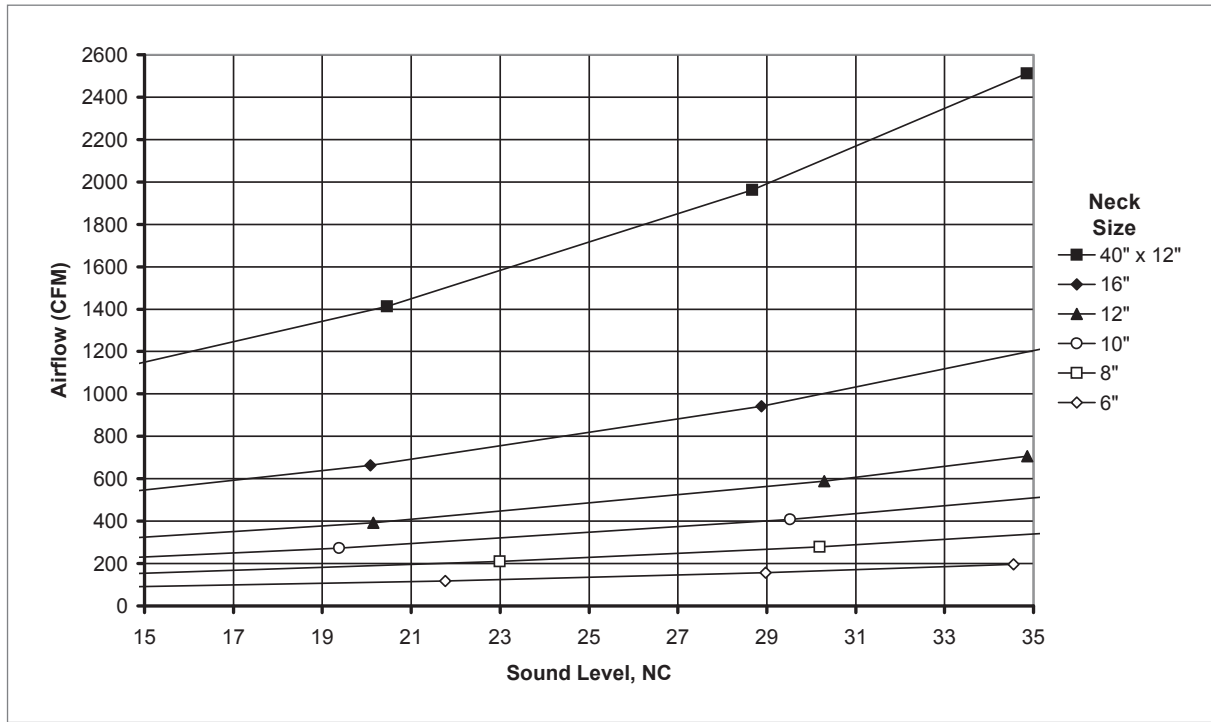


**AFA Reference Chart**

**AIRFLOW VS. NC LEVEL: AFA SERIES**



DISPLACEMENT VENTILATION

**AFA Performance Data**

**IP/METRIC DATA: AFA 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							
22" x 21"	400	78	.032	0.022	1	5	12	2.03	37	8.0	5.6	0.3	1.7	24	24	21	-	-	-	
	600	118	.073	0.050	2	8	22	3.05	56	18.1	12.5	0.7	2.5	31	32	31	23	11	12	
	800	157	.129	0.089	4	11	29	4.06	74	32.2	22.2	1.2	3.3	37	37	38	34	23	16	
	1000	196	.202	0.139	6	14	35	5.08	93	50.2	34.7	1.9	4.2	41	42	44	42	32	19	
22" x 45"	400	140	.034	0.024	1	7	13	2.03	66	8.4	6.0	0.4	2.2	24	24	22	-	-	-	
	600	209	.076	0.054	3	11	23	3.05	99	19.0	13.4	0.9	3.3	31	33	32	25	14	15	
	800	279	.136	0.096	5	15	30	4.06	132	33.8	23.8	1.6	4.4	37	38	39	35	25	19	
	1000	349	.212	0.150	8	18	36	5.08	165	52.8	37.3	2.5	5.5	41	43	45	43	34	22	
26" x 53"	375	204	.032	0.023	1	9	12	1.91	96	7.9	5.7	0.4	2.6	23	24	20	-	-	-	
	500	273	.056	0.041	3	11	19	2.54	129	14.0	10.1	0.8	3.5	28	30	28	19	-	14	
	750	409	.127	0.092	6	17	30	3.81	193	31.5	22.8	1.8	5.2	36	38	38	33	24	20	
	950	518	.203	0.147	9	22	35	4.83	244	50.6	36.6	2.8	6.6	40	42	44	42	34	24	
33" x 63"	350	275	.030	0.022	2	10	11	1.78	130	7.4	5.5	0.5	2.9	21	23	19	-	-	11	
	500	392	.060	0.045	3	14	20	2.54	185	15.0	11.1	0.9	4.2	28	30	28	20	-	16	
	750	589	.136	0.101	7	20	30	3.81	278	33.8	25.0	2.1	6.2	36	38	38	34	26	22	
	900	706	.195	0.145	10	25	35	4.57	333	48.6	36.1	3.1	7.5	39	42	43	41	33	25	
39" x 79"	350	488	.035	0.027	2	13	12	1.78	230	8.6	6.7	0.6	3.9	21	24	20	-	-	14	
	475	663	.064	0.050	4	17	20	2.41	313	15.8	12.3	1.1	5.3	27	30	28	19	-	18	
	675	942	.128	0.100	8	25	29	3.43	444	32.0	24.9	2.3	7.5	34	37	36	32	24	23	
	875	1221	.216	0.168	13	32	35	4.45	576	53.8	41.9	3.9	9.7	39	42	43	41	34	27	
47" x 79"	325	1020	.042	0.036	3	18	12	1.65	481	10.5	8.8	0.8	5.4	20	24	19	-	-	17	
	450	1413	.081	0.068	5	25	20	2.29	667	20.1	17.0	1.5	7.5	26	30	27	19	11	21	
	625	1962	.156	0.131	10	34	29	3.18	926	38.8	32.7	3.0	10.4	32	37	35	31	24	26	
	800	2511	.255	0.215	16	44	35	4.06	1185	63.5	53.6	4.8	13.3	37	42	42	40	34	30	

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.

AFA

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