

AFC | Round, Low-Velocity Supply

**AFC Performance Data**

IP/METRIC DATA: AFC 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							
12"x40"	600	209	.027	0.005	0.1	5	13	3.05	99	6.8	1.2	0.0	1.6	24	21	25	11	-	11	
	800	279	.049	0.009	0.2	6	21	4.06	132	12.1	2.2	0.0	1.9	29	27	31	22	12	15	
	1100	384	.092	0.016	0.3	7	29	5.59	181	22.9	4.1	0.1	2.2	33	34	38	35	24	19	
	1350	471	.138	0.025	0.4	8	35	6.86	222	34.4	6.1	0.1	2.4	36	39	42	43	32	22	
14"x48"	600	327	.028	0.006	0.2	7	13	3.05	154	7.0	1.4	0.1	2.0	25	22	25	-	-	11	
	800	436	.050	0.010	0.4	8	21	4.06	206	12.4	2.4	0.1	2.3	29	28	31	22	12	15	
	1050	572	.086	0.017	0.7	9	29	5.33	270	21.3	4.2	0.2	2.7	33	34	37	33	22	18	
	1300	709	.131	0.026	1.0	10	35	6.60	334	32.7	6.4	0.3	3.0	36	39	41	42	30	21	
16"x48"	550	432	.024	0.005	0.4	8	11	2.79	204	6.0	1.3	0.1	2.3	24	20	23	-	-	-	
	700	550	.039	0.009	0.6	9	18	3.56	259	9.7	2.1	0.2	2.6	27	26	28	16	-	13	
	1000	785	.080	0.017	1.2	10	28	5.08	370	19.9	4.4	0.4	3.1	32	34	35	31	20	18	
	1300	1021	.135	0.030	2.1	12	35	6.60	482	33.6	7.4	0.6	3.6	36	39	41	41	30	21	
20"x71"	550	767	.026	0.007	1.2	10	12	2.79	362	6.4	1.7	0.4	3.1	25	21	22	-	-	-	
	675	942	.039	0.010	1.8	11	18	3.43	444	9.7	2.6	0.5	3.4	28	26	27	14	-	12	
	1000	1395	.085	0.023	3.9	14	29	5.08	658	21.3	5.7	1.2	4.2	33	35	35	30	20	17	
	1250	1744	.133	0.036	6.1	15	35	6.35	823	33.2	9.0	1.9	4.7	36	39	40	39	28	20	
25"x71"	525	1145	.026	0.008	2.6	12	11	2.67	541	6.4	2.1	0.8	3.8	24	21	21	-	-	-	
	700	1527	.045	0.015	4.7	14	19	3.56	721	11.3	3.7	1.4	4.4	29	27	27	16	-	13	
	1000	2182	.093	0.030	7.9	17	29	5.08	1030	23.0	7.5	2.4	5.2	33	35	35	30	20	17	
	1250	2727	.145	0.047	9.9	19	35	6.35	1287	36.0	11.7	3.0	5.9	37	40	39	39	28	20	
32"x71"	500	1571	.025	0.010	5.0	15	11	2.54	741	6.3	2.4	1.5	4.4	24	20	20	-	-	-	
	700	2199	.050	0.019	8.0	17	20	3.56	1038	12.4	4.7	2.4	5.3	29	28	27	15	-	13	
	950	2985	.091	0.035	10.8	20	28	4.83	1409	22.8	8.7	3.3	6.1	33	35	33	28	18	17	
	1200	3770	.146	0.056	13.6	23	35	6.10	1779	36.3	13.9	4.2	6.9	36	40	38	37	27	20	

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

AFC

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