AFQ Performance Data

IP/METRIC DATA: AFQ SERIES

Unit Size	IP Data						NC	Metric Data						Octave Band, dB					
	Neck Vel	Air Flow	Pt	Ps	Near T_{50} @ 4 ft	T_{50} @ Floor		Neck Vel	Air Flow	Pt	Ps	Near $T_{.25}$ @ 1.1 m	$T_{.25}$ @ Floor						
	FPM	CFM	"WG	"WG	ft	ft		m/s	L/s	Pa	Pa	m	m	2	3	4	5	6	7
08”x23”	450	39	.035	0.022	0	3	11	2.29	19	8.6	5.5	0.0	1.0	22	19	23	11	-	-
	700	61	.084	0.053	0	5	22	3.56	29	20.9	13.3	0.1	1.6	24	28	32	26	14	-
	950	83	.154	0.098	1	7	30	4.83	39	38.5	24.5	0.2	2.1	26	34	38	36	28	17
	1150	100	.211	0.128	1	8	35	5.84	47	52.5	31.9	0.3	2.4	27	38	42	42	36	24
10”x23”	475	65	.049	0.035	0	5	11	2.41	31	12.2	8.7	0.1	1.5	18	25	22	13	-	-
	700	95	.107	0.076	0	7	23	3.56	45	26.5	18.9	0.1	2.3	25	32	32	26	17	-
	900	123	.176	0.126	1	10	30	4.57	58	43.8	31.3	0.2	2.9	29	37	39	35	29	17
	1050	143	.111	0.043	1	11	35	5.33	68	27.7	10.6	0.3	3.4	32	40	43	40	36	22
12”x31”	600	118	.057	0.035	1	5	11	3.05	56	14.3	8.7	0.2	1.6	23	29	23	14	-	-
	850	167	.115	0.070	2	8	22	4.32	79	28.7	17.4	0.5	2.3	28	34	31	26	17	-
	1100	216	.193	0.117	3	10	30	5.59	102	48.0	29.2	0.8	3.0	31	37	37	35	29	17
	1300	255	.280	0.175	4	12	35	6.60	120	69.7	43.5	1.1	3.5	33	40	41	41	36	24
14”x47”	675	235	.046	0.018	2	8	12	3.43	111	11.5	4.4	0.5	2.4	25	29	23	16	-	-
	850	296	.073	0.028	3	10	20	4.32	140	18.2	6.9	0.8	3.1	30	33	30	25	14	-
	1100	384	.122	0.047	5	12	29	5.59	181	30.4	11.6	1.4	3.8	35	38	37	35	27	20
	1300	453	.453	0.348	6	13	35	6.60	214	112.9	86.7	2.0	4.1	39	41	42	41	34	26
16”x47”	525	286	.046	0.028	1	7	11	2.67	135	11.4	7.1	0.4	2.2	24	25	20	15	-	11
	700	382	.081	0.051	2	10	21	3.56	180	20.2	12.6	0.7	2.9	29	31	28	25	15	17
	925	504	.142	0.088	4	11	30	4.70	238	35.3	22.0	1.2	3.4	33	37	36	35	28	22
	1075	586	.237	0.165	6	12	35	5.46	277	58.9	41.0	1.7	3.6	36	40	40	40	36	25
19”x59”	325	255	.028	0.022	2	7	12	1.65	120	7.1	5.4	0.5	2.2	24	19	-	-	-	18
	600	471	.097	0.074	6	13	24	3.05	222	24.0	18.5	1.9	4.1	33	32	26	20	13	23
	850	667	.194	0.149	10	16	31	4.32	315	48.3	37.1	2.9	4.8	38	39	37	35	28	25
	1050	824	.310	0.242	12	18	35	5.33	389	77.3	60.2	3.6	5.4	42	43	43	44	37	27
24”x71”	575	802	.068	0.047	7	16	12	2.92	379	16.9	11.7	2.3	4.9	25	30	22	19	11	-
	700	977	.100	0.070	11	19	21	3.56	461	25.0	17.4	3.4	5.9	30	34	29	27	21	-
	800	1116	.131	0.091	15	22	28	4.06	527	32.6	22.7	4.4	6.8	33	36	34	33	27	14
	950	1325	.371	0.314	20	26	35	4.83	626	92.3	78.3	6.2	8.0	37	40	40	41	36	24
29”x71”	475	1036	.064	0.049	9	20	12	2.41	489	15.8	12.3	2.8	6.1	22	28	24	17	-	-
	575	1254	.093	0.072	14	22	20	2.92	592	23.2	18.0	4.2	6.8	28	32	30	25	14	-
	700	1526	.138	0.107	20	25	28	3.56	720	34.4	26.7	6.2	7.5	34	37	36	33	25	14
	850	1853	.000	-0.045	27	27	36	4.32	875	0.0	(11.2)	8.1	8.3	41	41	43	42	36	22
36”x71”	400	1363	.066	0.056	13	23	12	2.03	643	16.4	13.9	4.0	6.9	23	28	21	-	-	-
	510	1737	.107	0.091	21	29	21	2.59	820	26.6	22.6	6.3	8.8	31	34	30	22	12	-
	625	2129	.160	0.136	25	32	29	3.18	1005	39.9	33.9	7.7	9.9	38	39	38	33	21	-
	725	2470	.216	0.183	29	35	35	3.68	1165	53.7	45.6	9.0	10.6	43	43	44	40	27	-

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.