



ENGINEERING DATA

A70, A80

3/4" Spacing, 0° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	300	400	500	600	700	900	1100	1300	1500
		Vel. Pressure	0.006	0.010	0.016	0.022	0.031	0.050	0.075	0.105	0.140
		Neg. Static Pressure	0.012	0.022	0.034	0.049	0.067	0.111	0.165	0.231	0.307

6x6	0.25	Airflow (CFM)	57	76	95	114	133	171	209	247	285
		NC	-	-	-	-	13	20	26	31	35

8x6	0.33	Airflow (CFM)	78	104	130	156	182	234	286	338	390
		NC	-	-	-	-	14	22	27	32	36

10x6	0.42	Airflow (CFM)	102	136	170	204	238	306	374	442	510
		NC	-	-	-	11	16	23	28	33	37

8x8	0.44	Airflow (CFM)	111	148	185	222	259	333	407	481	555
		NC	-	-	-	12	16	23	29	34	38

12x6	0.50	Airflow (CFM)	123	164	205	246	287	369	451	533	615
		NC	-	-	-	12	16	24	29	34	38

14x6	0.58	Airflow (CFM)	144	192	240	288	336	432	528	624	720
		NC	-	-	-	13	17	24	30	35	39

16x6 12x8	0.67	Airflow (CFM)	171	228	285	342	399	513	627	741	855
		NC	-	-	-	14	18	25	31	36	40

10x10	0.69	Airflow (CFM)	177	236	295	354	413	531	649	767	885
		NC	-	-	-	14	18	25	31	36	40

18x6	0.75	Airflow (CFM)	189	252	315	378	441	567	693	819	945
		NC	-	-	-	14	18	25	31	36	40

20x6 12x10	0.83	Airflow (CFM)	216	288	360	432	504	648	792	936	1080
		NC	-	-	-	14	19	26	32	37	41

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A70, A80

3/4" Spacing, 0° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	300	400	500	600	700	900	1100	1300	1500
		Vel. Pressure	0.006	0.010	0.016	0.022	0.031	0.050	0.075	0.105	0.140
		Neg. Static Pressure	0.012	0.022	0.034	0.049	0.067	0.111	0.165	0.231	0.307

22x6	0.92	Airflow (CFM)	231	308	385	462	539	693	847	1001	1155
		NC	-	-	-	15	19	26	32	37	41

24x6 12x12	1.00	Airflow (CFM)	264	352	440	528	616	792	968	1144	1320
		NC	-	-	-	15	20	27	33	37	42

30x6 18x10	1.25	Airflow (CFM)	333	444	555	666	777	999	1221	1443	1665
		NC	-	-	11	16	21	28	34	38	43

14x14	1.36	Airflow (CFM)	366	488	610	732	854	1098	1342	1586	1830
		NC	-	-	11	17	21	28	34	39	43

36x6 18x12	1.50	Airflow (CFM)	405	540	675	810	945	1215	1485	1755	2025
		NC	-	-	13	17	22	29	35	39	43

22x10	1.53	Airflow (CFM)	411	548	685	822	959	1233	1507	1781	2055
		NC	-	-	12	17	22	29	35	39	43

30x8 24x10	1.67	Airflow (CFM)	477	596	745	894	1043	1341	1639	1937	2235
		NC	-	-	12	18	22	29	35	40	44

42x6 18x14	1.75	Airflow (CFM)	477	636	795	954	1113	1431	1749	2067	2385
		NC	-	-	13	18	22	29	35	40	44

16x16	1.78	Airflow (CFM)	486	648	810	972	1134	1458	1782	2106	2430
		NC	-	-	13	18	22	30	35	40	44

24x12 18x16	2.00	Airflow (CFM)	546	728	910	1092	1274	1638	2002	2366	2730
		NC	-	-	13	18	23	30	36	41	45

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A70, A80

3/4" Spacing, 0° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	300	400	500	600	700	900	1100	1300	1500
		Vel. Pressure	0.006	0.010	0.016	0.022	0.031	0.050	0.075	0.105	0.140
		Neg. Static Pressure	0.012	0.022	0.034	0.049	0.067	0.111	0.165	0.231	0.307

18x18	2.25	Airflow (CFM)	621	828	1035	1242	1449	1863	2277	2691	3105
		NC	-	-	14	19	23	31	36	41	45

24x14	2.33	Airflow (CFM)	642	856	1070	1284	1498	1926	2354	2782	3210
		NC	-	-	14	19	24	31	37	41	45

30x12	2.50	Airflow (CFM)	687	916	1145	1374	1603	2061	2519	2977	3435
		NC	-	-	14	19	24	31	37	42	46

24x16	2.67	Airflow (CFM)	738	984	1230	1476	1722	2214	2706	3198	3690
		NC	-	-	15	20	24	31	37	42	46

20x20	2.78	Airflow (CFM)	771	1028	1285	1542	1799	2313	2827	3341	3855
		NC	-	-	15	20	24	32	37	42	46

36x12	3.00	Airflow (CFM)	825	1100	1375	1650	1925	2475	3025	3575	4125
		NC	-	-	15	20	25	32	38	42	47

30x16 24x20	3.33	Airflow (CFM)	933	1244	1555	1866	2177	2799	3421	4043	4665
		NC	-	-	16	21	25	32	38	43	47

22x22	3.36	Airflow (CFM)	942	1256	1570	1884	2198	2826	3454	4082	4710
		NC	-	-	16	21	25	32	38	43	47

42x12 36x14	3.50	Airflow (CFM)	966	1288	1610	1932	2254	2898	3542	4186	4830
		NC	-	-	16	21	25	33	38	43	47

24x22	3.67	Airflow (CFM)	1029	1372	1715	2058	2401	3087	3773	4459	5145
		NC	-	-	16	21	26	33	39	43	47

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A70, A80

3/4" Spacing, 0° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	300	400	500	600	700	900	1100	1300	1500
		Vel. Pressure	0.006	0.010	0.016	0.022	0.031	0.050	0.075	0.105	0.140
		Neg. Static Pressure	0.012	0.022	0.034	0.049	0.067	0.111	0.165	0.231	0.307

30x18	3.75	Airflow (CFM)	1050	1400	1750	2100	2450	3150	3850	4550	5250
		NC	-	-	16	21	26	33	39	43	48

48x12 24x24	4.00	Airflow (CFM)	1125	1500	1875	2250	2625	3375	4125	4875	5625
		NC	-	-	16	22	26	33	39	44	48

36x18	4.50	Airflow (CFM)	1266	1688	2110	2532	2954	3798	4642	5486	6330
		NC	-	-	17	22	27	34	39	44	48

36x20 30x24	5.00	Airflow (CFM)	1413	1884	2355	2826	3297	4239	5181	6123	7065
		NC	-	11	17	23	27	34	40	45	49

42x18	5.25	Airflow (CFM)	1482	1976	2470	2964	3458	4446	5434	6422	7410
		NC	-	11	18	23	27	34	40	45	49

28x28	5.44	Airflow (CFM)	1548	2064	2580	3096	3612	4644	5676	6708	7740
		NC	-	11	18	23	27	35	40	45	49

42x20 30x28	5.83	Airflow (CFM)	1653	2204	2755	3306	3857	4959	6061	7163	8265
		NC	-	12	18	23	28	35	41	45	50

48x18 36x24	6.00	Airflow (CFM)	1698	2264	2830	3396	3962	5094	6226	7358	8490
		NC	-	12	18	23	28	35	41	46	50

30x30	6.25	Airflow (CFM)	1782	2376	2970	3564	4158	5346	6534	7722	8910
		NC	-	12	18	24	28	35	41	46	50

42x24 36x28	7.00	Airflow (CFM)	1998	2664	3330	3996	4662	5994	7326	8658	9990
		NC	-	12	19	24	28	36	41	46	50

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A70, A80

3/4" Spacing, 0° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	300	400	500	600	700	900	1100	1300	1500
		Vel. Pressure	0.006	0.010	0.016	0.022	0.031	0.050	0.075	0.105	0.140
		Neg. Static Pressure	0.012	0.022	0.034	0.049	0.067	0.111	0.165	0.231	0.307

46x22	7.03	Airflow (CFM)	2004	2672	3340	4008	4676	6012	7348	8684	10020
		NC	-	12	19	24	29	36	41	46	50

32x32	7.11	Airflow (CFM)	2034	2712	3390	4068	4746	6102	7458	8814	10170
		NC	-	13	19	24	29	36	42	46	50

36x30	7.50	Airflow (CFM)	2148	2864	3580	4296	5012	6444	7876	9308	10740
		NC	-	13	19	24	29	36	42	47	51

48x24 36x32	8.00	Airflow (CFM)	2289	3052	3815	4578	5341	6867	8393	9919	11445
		NC	-	13	19	25	29	36	42	47	51

34x34	8.03	Airflow (CFM)	2304	3072	3840	4608	5376	6912	8448	9984	11520
		NC	-	13	19	25	29	36	42	47	51

36x34	8.50	Airflow (CFM)	2442	3256	4070	4884	5698	7326	8954	10582	12210
		NC	-	13	20	25	29	37	42	47	51

42x30	8.75	Airflow (CFM)	2514	3352	4190	5028	5866	7542	9218	10894	12570
		NC	-	13	20	25	29	37	42	47	51

36x36	9.00	Airflow (CFM)	2589	3452	4315	5178	6041	7767	9493	11219	12945
		NC	-	14	20	25	30	37	43	47	43

42x34 48x30	10.00	Airflow (CFM)	2880	3840	4800	5760	6720	8640	10560	12480	14400
		NC	-	14	20	26	30	37	43	48	52

38x38	10.03	Airflow (CFM)	2892	3856	4820	5784	6748	8676	10604	12532	14460
		NC	-	14	20	26	30	37	43	48	52

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A70, A80

3/4" Spacing, 0° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	300	400	500	600	700	900	1100	1300	1500
		Vel. Pressure	0.006	0.010	0.016	0.022	0.031	0.050	0.075	0.105	0.140
		Neg. Static Pressure	0.012	0.022	0.034	0.049	0.067	0.111	0.165	0.231	0.307

42x36	10.50	Airflow (CFM)	3030	4040	5050	6060	7070	9090	11110	13130	15150
		NC	-	14	21	26	30	38	43	48	52

46x34	10.86	Airflow (CFM)	3135	4180	5225	6270	7315	9405	11495	13585	15675
		NC	-	14	21	26	30	38	43	48	52

42x38	11.08	Airflow (CFM)	3201	4268	5335	6402	7469	9603	11737	13871	16005
		NC	-	14	21	26	31	38	44	48	52

40x40	11.11	Airflow (CFM)	3201	4280	5350	6420	7490	9630	11770	13910	16050
		NC	-	15	21	26	31	38	44	48	52

48x36	12.00	Airflow (CFM)	3471	4628	5785	6942	8099	10413	12727	15041	17355
		NC	-	15	21	26	31	38	44	49	53

42x42	12.25	Airflow (CFM)	3546	4728	5910	7092	8274	10638	13002	15366	17730
		NC	-	15	21	27	31	38	44	49	53

44x44	13.44	Airflow (CFM)	3897	5196	6495	7794	9093	11691	14289	16887	19485
		NC	-	15	22	27	31	39	44	49	53

48x42	14.00	Airflow (CFM)	4062	5416	6770	8124	9478	12186	14894	17602	20310
		NC	-	16	22	27	32	39	45	49	53

46x46	14.69	Airflow (CFM)	4266	5688	7110	8532	9954	12798	15642	18486	21330
		NC	-	16	22	27	32	39	45	50	54

48x46	15.33	Airflow (CFM)	4455	5940	7425	8910	10395	13365	16335	19305	22275
		NC	-	16	22	28	32	39	45	50	54

48x48	16.00	Airflow (CFM)	4650	6200	7750	9300	10850	13950	17050	20150	23250
		NC	-	16	23	28	32	39	45	50	54

Notes:

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2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A70D, A80D

3/4" Spacing, 35° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	100	200	300	400	500	600	700	800	900
		Vel. Pressure	0.001	0.002	0.006	0.010	0.016	0.022	0.031	0.040	0.050
		Neg. Static Pressure	0.002	0.008	0.018	0.018	0.051	0.073	0.099	0.130	0.164

6x6	0.25	Airflow (CFM)	19	38	57	76	95	114	133	152	171
		NC	-	-	-	-	-	13	19	25	29

8x6	0.33	Airflow (CFM)	26	52	78	104	130	156	182	208	234
		NC	-	-	-	-	-	15	20	26	30

10x6	0.42	Airflow (CFM)	34	68	102	136	170	204	238	272	306
		NC	-	-	-	-	-	16	21	28	32

8x8	0.44	Airflow (CFM)	37	74	111	148	185	222	259	296	333
		NC	-	-	-	-	-	16	22	28	32

12x6	0.50	Airflow (CFM)	41	82	123	164	205	246	287	328	369
		NC	-	-	-	-	-	17	22	30	34

14x6	0.58	Airflow (CFM)	48	96	144	192	240	288	336	384	432
		NC	-	-	-	-	-	18	24	30	34

16x6 12x8	0.67	Airflow (CFM)	57	114	171	228	285	342	399	456	513
		NC	-	-	-	-	10	19	25	30	35

10x10	0.69	Airflow (CFM)	59	118	177	236	295	354	413	472	531
		NC	-	-	-	-	10	19	25	31	35

18x6	0.75	Airflow (CFM)	63	126	189	252	315	378	441	504	567
		NC	-	-	-	-	10	19	25	32	35

20x6 12x10	0.83	Airflow (CFM)	72	144	216	288	360	432	504	576	648
		NC	-	-	-	-	11	19	25	30	35

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
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ENGINEERING DATA

A70D, A80D

3/4" Spacing, 35° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	100	200	300	400	500	600	700	800	900
		Vel. Pressure	0.001	0.002	0.006	0.010	0.016	0.022	0.031	0.040	0.050
		Neg. Static Pressure	0.002	0.008	0.018	0.018	0.051	0.073	0.099	0.130	0.164

22x6	0.92	Airflow (CFM)	77	154	231	308	385	462	539	616	693
		NC	-	-	-	-	11	19	25	30	35

24x6 12x12	1.00	Airflow (CFM)	88	176	264	352	440	528	616	704	792
		NC	-	-	-	-	11	19	25	30	35

30x6 18x10	1.25	Airflow (CFM)	111	222	333	444	555	666	777	888	999
		NC	-	-	-	-	12	20	26	32	35

14x14	1.36	Airflow (CFM)	122	244	366	488	610	732	854	976	1098
		NC	-	-	-	-	12	20	27	32	35

36x6 18x12	1.50	Airflow (CFM)	135	270	405	540	675	810	945	1080	1215
		NC	-	-	-	-	13	20	27	32	35

22x10	1.53	Airflow (CFM)	137	274	411	548	685	822	959	1096	1233
		NC	-	-	-	-	13	20	27	32	36

30x8 24x10	1.67	Airflow (CFM)	149	298	447	596	745	894	1043	1192	1341
		NC	-	-	-	-	14	21	27	33	37

42x6 18x14	1.75	Airflow (CFM)	159	318	477	636	795	954	1113	1272	1431
		NC	-	-	-	-	14	21	27	33	37

16x16	1.78	Airflow (CFM)	162	324	486	648	810	972	1134	1296	1458
		NC	-	-	-	-	14	21	27	33	37

24x12 18x16	2.00	Airflow (CFM)	182	364	546	728	910	1092	1274	1456	1638
		NC	-	-	-	-	14	21	28	33	38

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A70D, A80D

3/4" Spacing, 35° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	100	200	300	400	500	600	700	800	900
		Vel. Pressure	0.001	0.002	0.006	0.010	0.016	0.022	0.031	0.040	0.050
		Neg. Static Pressure	0.002	0.008	0.018	0.018	0.051	0.073	0.099	0.130	0.164

18x18	2.25	Airflow (CFM)	207	414	621	828	1035	1241	1449	1656	1863
		NC	-	-	-	-	14	21	28	33	38

24x14	2.33	Airflow (CFM)	214	428	642	856	1070	1284	1498	1712	1926
		NC	-	-	-	-	14	22	28	33	38

30x12	2.50	Airflow (CFM)	229	458	687	916	1145	1374	1603	1832	2061
		NC	-	-	-	-	15	22	28	33	38

24x16	2.67	Airflow (CFM)	246	492	738	984	1230	1476	1722	1968	2214
		NC	-	-	-	-	15	22	29	34	39

20x20	2.78	Airflow (CFM)	257	514	771	1028	1285	1542	1799	2056	2313
		NC	-	-	-	-	16	23	29	34	39

36x12	3.00	Airflow (CFM)	275	550	825	1100	1375	1650	1925	2200	2475
		NC	-	-	-	-	16	23	29	34	39

30x16 24x20	3.33	Airflow (CFM)	311	622	933	1244	1555	1866	2177	2488	2799
		NC	-	-	-	-	17	24	30	35	40

22x22	3.36	Airflow (CFM)	314	628	942	1256	1570	1884	2198	2512	2826
		NC	-	-	-	-	17	24	30	35	40

42x12 36x14	3.50	Airflow (CFM)	322	644	966	1288	1610	1932	2254	2576	2898
		NC	-	-	-	-	17	24	30	36	40

24x22	3.67	Airflow (CFM)	343	686	1029	1372	1715	2058	2401	2744	3087
		NC	-	-	-	-	17	24	30	36	40

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A70D, A80D

3/4" Spacing, 35° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	100	200	300	400	500	600	700	800	900
		Vel. Pressure	0.001	0.002	0.006	0.010	0.016	0.022	0.031	0.040	0.050
		Neg. Static Pressure	0.002	0.008	0.018	0.018	0.051	0.073	0.099	0.130	0.164

30x18	3.75	Airflow (CFM)	350	700	1050	1400	1750	2100	2450	2800	3150
		NC	-	-	-	-	17	24	30	36	40

48x12 24x24	4.00	Airflow (CFM)	375	750	1125	1500	1875	2250	2625	3000	3375
		NC	-	-	-	-	18	25	37	38	41

36x18	4.50	Airflow (CFM)	422	844	1266	1688	2110	2532	2954	3376	3798
		NC	-	-	-	-	18	25	31	38	41

36x20 30x24	5.00	Airflow (CFM)	471	942	1413	1884	2355	2826	3297	3768	4239
		NC	-	-	-	-	18	25	31	38	41

42x18	5.25	Airflow (CFM)	494	988	1482	1976	2470	2964	3458	3952	4446
		NC	-	-	-	-	18	25	31	38	41

28x28	5.44	Airflow (CFM)	516	1032	1548	2064	2580	3096	3612	4128	4644
		NC	-	-	-	-	18	25	32	38	41

42x20 30x28	5.83	Airflow (CFM)	551	1102	1653	2204	2755	3306	3857	4408	4959
		NC	-	-	-	10	18	26	32	38	41

48x18 36x24	6.00	Airflow (CFM)	566	1132	1698	2264	2830	3396	3962	4528	5094
		NC	-	-	-	10	18	26	32	38	41

30x30	6.25	Airflow (CFM)	594	1188	1782	2376	2970	3564	4158	4752	5346
		NC	-	-	-	10	18	26	32	38	41

42x24 36x28	7.00	Airflow (CFM)	666	1332	1998	2664	3330	3996	4662	5328	5994
		NC	-	-	-	10	19	26	32	38	41

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A70D, A80D

3/4" Spacing, 35° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	100	200	300	400	500	600	700	800	900
		Vel. Pressure	0.001	0.002	0.006	0.010	0.016	0.022	0.031	0.040	0.050
		Neg. Static Pressure	0.002	0.008	0.018	0.018	0.051	0.073	0.099	0.130	0.164

46x22	7.03	Airflow (CFM)	668	1336	2004	2672	3340	4008	4676	5344	6012
		NC	-	-	-	10	19	27	32	38	42

32x32	7.11	Airflow (CFM)	678	1356	2034	2712	3390	4068	4746	5424	6102
		NC	-	-	-	10	19	27	32	38	42

36x30	7.50	Airflow (CFM)	716	1432	2148	2864	3580	4296	5012	5728	6444
		NC	-	-	-	10	19	27	32	38	42

48x24 36x32	8.00	Airflow (CFM)	763	1526	2289	3052	3815	4578	5341	6104	6867
		NC	-	-	-	10	19	27	32	38	42

34x34	8.03	Airflow (CFM)	768	1536	2304	3072	3840	4608	5376	6144	6912
		NC	-	-	-	10	19	27	32	38	42

36x34	8.50	Airflow (CFM)	814	1628	2442	3256	4070	4884	5698	6512	7326
		NC	-	-	-	11	19	27	32	38	42

42x30	8.75	Airflow (CFM)	838	1676	2514	3352	4190	5028	5866	6704	7542
		NC	-	-	-	11	20	27	32	38	42

36x36	9.00	Airflow (CFM)	863	1726	2589	3452	4315	5178	6041	6904	7767
		NC	-	-	-	11	20	27	33	38	43

42x34 48x30	10.00	Airflow (CFM)	960	1920	2880	3840	4800	5760	6720	7680	8640
		NC	-	-	-	11	20	27	33	38	43

38x38	10.03	Airflow (CFM)	964	1928	2892	3856	4820	5784	6748	7712	8676
		NC	-	-	-	11	20	27	33	38	43

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A70D, A80D

3/4" Spacing, 35° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	100	200	300	400	500	600	700	800	900
		Vel. Pressure	0.001	0.002	0.006	0.010	0.016	0.022	0.031	0.040	0.050
		Neg. Static Pressure	0.002	0.008	0.018	0.018	0.051	0.073	0.099	0.130	0.164

42x36	10.50	Airflow (CFM)	1010	2020	3030	4040	5050	6060	7070	8080	9090
		NC	-	-	-	11	20	27	33	38	43

46x34	10.86	Airflow (CFM)	1045	2090	3135	4180	5225	6270	7315	8360	9405
		NC	-	-	-	11	20	27	33	38	43

42x38	11.08	Airflow (CFM)	1067	2134	3201	4268	5335	6402	7469	8536	9603
		NC	-	-	-	11	20	27	33	38	43

40x40	11.11	Airflow (CFM)	1070	2140	3210	4280	5350	6420	7490	8560	9630
		NC	-	-	-	11	20	27	33	38	43

48x36	12.00	Airflow (CFM)	1157	2314	3471	4628	5785	6942	8099	9256	10413
		NC	-	-	-	11	20	27	33	39	44

42x42	12.25	Airflow (CFM)	1182	2364	3546	4728	5910	7092	8274	9456	10638
		NC	-	-	-	11	20	27	33	39	44

44x44	13.44	Airflow (CFM)	1299	2598	3897	5196	6495	7794	9093	10392	11691
		NC	-	-	-	12	21	28	34	39	44

48x42	14.00	Airflow (CFM)	1354	2708	4062	5416	6770	8124	9478	10832	12186
		NC	-	-	-	12	21	28	34	40	45

46x46	14.69	Airflow (CFM)	1422	2844	4266	5688	7110	8532	9954	11376	12798
		NC	-	-	-	12	21	28	35	40	45

48x46	15.33	Airflow (CFM)	1485	2970	4455	5940	7425	8910	10395	11880	13365
		NC	-	-	-	12	22	28	35	40	45

48x48	16.00	Airflow (CFM)	1550	3100	4650	6200	7750	9300	10850	12400	13950
		NC	-	-	-	13	22	29	35	40	45

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A75, A85

1/2" Spacing, 0° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	300	400	500	600	700	800	900	1000	1100
		Vel. Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062	0.075
		Neg. Static Pressure	0.013	0.022	0.035	0.050	0.068	0.089	0.113	0.140	0.169

6x6	0.25	Airflow (CFM)	57	76	95	114	133	152	171	190	209
		NC	-	-	-	12	16	20	23	25	28

8x6	0.33	Airflow (CFM)	78	104	130	156	182	208	234	260	286
		NC	-	-	-	13	17	21	24	27	29

10x6	0.42	Airflow (CFM)	102	136	170	204	238	272	306	340	374
		NC	-	-	-	15	19	22	24	28	31

8x8	0.44	Airflow (CFM)	111	148	185	222	259	296	333	370	407
		NC	-	-	-	15	19	23	26	28	31

12x6	0.50	Airflow (CFM)	123	164	205	246	287	328	369	410	451
		NC	-	-	11	15	19	23	26	29	31

14x6	0.58	Airflow (CFM)	144	192	240	288	336	384	432	480	528
		NC	-	-	11	16	20	24	27	30	32

16x6 12x8	0.67	Airflow (CFM)	171	228	285	342	399	456	513	570	627
		NC	-	-	12	17	21	24	27	30	33

10x10	0.69	Airflow (CFM)	177	236	295	354	413	472	531	590	649
		NC	-	-	12	17	21	25	28	30	33

18x6	0.75	Airflow (CFM)	189	252	315	378	441	504	567	630	693
		NC	-	-	12	17	21	25	28	31	33

20x6 12x10	0.83	Airflow (CFM)	216	288	360	432	504	576	648	720	792
		NC	-	-	13	18	22	25	29	31	34

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A75, A85

1/2" Spacing, 0° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	300	400	500	600	700	800	900	1000	1100
		Vel. Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062	0.075
		Neg. Static Pressure	0.013	0.022	0.035	0.050	0.068	0.089	0.113	0.140	0.169

22x6	0.92	Airflow (CFM)	231	308	385	462	539	616	693	770	847
		NC	-	-	13	18	22	26	29	32	34

24x6 12x12	1.00	Airflow (CFM)	264	352	440	528	616	704	792	880	968
		NC	-	-	14	19	23	26	29	32	35

30x6 18x10	1.25	Airflow (CFM)	333	444	555	666	777	888	999	1110	1221
		NC	-	-	15	20	24	27	30	33	36

14x14	1.36	Airflow (CFM)	366	488	610	732	854	976	1098	1220	1342
		NC	-	-	15	20	24	28	31	34	36

36x6 18x12	1.50	Airflow (CFM)	405	540	675	810	945	1080	1215	1350	1485
		NC	-	-	16	21	25	28	31	34	37

22x10	1.53	Airflow (CFM)	411	548	685	822	959	1096	1233	1370	1507
		NC	-	-	16	21	25	28	31	34	37

30x8 24x10	1.67	Airflow (CFM)	477	596	745	894	1043	1192	1341	1490	1639
		NC	-	-	16	21	25	29	32	34	37

42x6 18x14	1.75	Airflow (CFM)	477	636	795	954	1113	1272	1431	1590	1749
		NC	-	11	17	21	25	29	32	35	37

16x16	1.78	Airflow (CFM)	486	648	810	972	1134	1296	1458	1620	1782
		NC	-	11	17	21	25	29	32	35	37

24x12 18x16	2.00	Airflow (CFM)	546	728	910	1092	1274	1456	1638	1820	2002
		NC	-	11	17	22	26	29	33	35	38

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A75, A85

1/2" Spacing, 0° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	300	400	500	600	700	800	900	1000	1100
		Vel. Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062	0.075
		Neg. Static Pressure	0.013	0.022	0.035	0.050	0.068	0.089	0.113	0.140	0.169

18x18	2.25	Airflow (CFM)	621	828	1035	1242	1449	1656	1863	2070	2277
		NC	-	12	18	22	26	30	33	36	38

24x14	2.33	Airflow (CFM)	642	856	1070	1284	1498	1712	1926	2140	2354
		NC	-	12	18	23	27	30	33	36	39

30x12	2.50	Airflow (CFM)	687	916	1145	1374	1603	1832	2061	2290	2519
		NC	-	12	18	23	27	30	34	36	39

24x16	2.67	Airflow (CFM)	738	984	1230	1476	1722	1968	2214	2460	2706
		NC	-	13	18	23	27	31	34	37	39

20x20	2.78	Airflow (CFM)	771	1028	1285	1542	1799	2056	2313	2570	2827
		NC	-	13	19	23	27	31	34	37	39

36x12	3.00	Airflow (CFM)	825	1100	1375	1650	1925	2200	2475	2750	3025
		NC	-	13	19	24	28	31	34	37	40

30x16 24x20	3.33	Airflow (CFM)	933	1244	1555	1866	2177	2488	2799	3110	3421
		NC	-	14	19	24	28	32	35	38	40

22x22	3.36	Airflow (CFM)	942	1256	1570	1884	2198	2512	2826	3140	3454
		NC	-	14	19	24	28	32	35	38	40

42x12 36x14	2.50	Airflow (CFM)	966	1288	1610	1932	2254	2576	2898	3220	3542
		NC	-	14	20	24	28	32	35	38	40

24x22	3.67	Airflow (CFM)	1029	1372	1715	2058	2401	2744	3087	3430	3773
		NC	-	14	20	25	29	32	35	38	41

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A75, A85

1/2" Spacing, 0° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	300	400	500	600	700	800	900	1000	1100
		Vel. Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062	0.075
		Neg. Static Pressure	0.013	0.022	0.035	0.050	0.068	0.089	0.113	0.140	0.169

30x18	3.75	Airflow (CFM)	1050	1400	1750	2100	2450	2800	3150	3500	3850
		NC	-	14	20	25	29	32	35	38	41

42x18	5.25	Airflow (CFM)	1482	1976	2470	2964	3458	3952	4446	4940	5434
		NC	-	16	21	26	30	34	37	40	42

28x28	5.44	Airflow (CFM)	1548	2064	2580	3096	3612	4128	4644	5160	5676
		NC	-	16	22	26	30	34	37	40	42

42x20 30x28	5.83	Airflow (CFM)	1653	2204	2755	3306	3857	4408	4959	5510	6061
		NC	-	16	22	27	31	34	37	40	43

48x18 36x24	6.00	Airflow (CFM)	1698	2264	2830	3396	3962	4528	5094	5660	6226
		NC	-	16	22	27	31	34	37	40	43

30x30	6.25	Airflow (CFM)	1782	2376	2970	3564	4158	4752	5346	5940	6534
		NC	-	16	22	27	31	35	38	40	43

42x24 36x28	7.00	Airflow (CFM)	1998	2664	3330	3996	4662	5328	5994	6660	7326
		NC	-	17	23	28	32	35	38	41	43

46x22	7.03	Airflow (CFM)	2004	2676	3340	4008	4676	5344	6012	6680	7348
		NC	-	17	23	28	32	35	38	41	43

32x32	7.11	Airflow (CFM)	2034	2712	3390	4068	4746	5424	6102	6780	7458
		NC	-	17	23	28	32	35	38	41	44

36x30	7.50	Airflow (CFM)	2148	2864	3580	4296	5012	5728	6444	7160	7876
		NC	-	17	23	28	32	35	38	41	44

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A75, A85

1/2" Spacing, 0° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	300	400	500	600	700	800	900	1000	1100
		Vel. Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062	0.075
		Neg. Static Pressure	0.018	0.032	0.051	0.073	0.099	0.129	0.164	0.202	0.245

48x24 36x32	8.00	Airflow (CFM)	2289	3052	3815	4578	5341	6104	6867	7630	8393
		NC	-	17	23	28	32	36	39	42	44

34x34	8.03	Airflow (CFM)	2304	3072	3840	4608	5376	6144	6912	7680	8448
		NC	-	18	23	28	32	36	39	42	44

36x36	9.00	Airflow (CFM)	2589	3452	4315	5178	6041	6904	7767	8630	9493
		NC	-	18	24	29	33	36	39	42	45

42x34 48x30	9.92	Airflow (CFM)	2880	3840	4800	5760	6720	7680	8640	9600	10560
		NC	11	18	24	29	33	37	40	43	45

38x38	10.03	Airflow (CFM)	2892	3856	4820	5784	6748	7712	8676	9640	10604
		NC	11	18	24	29	33	37	40	43	45

42x36	10.50	Airflow (CFM)	3030	4040	5050	6060	7070	8080	9090	10100	11110
		NC	11	19	25	29	33	37	40	43	45

46x34	10.86	Airflow (CFM)	3135	4180	5225	6270	7315	8360	9405	10450	11495
		NC	11	19	25	29	34	37	40	43	45

42x38	11.08	Airflow (CFM)	3201	4268	5335	6402	7469	8536	9603	10670	11737
		NC	11	19	25	30	34	37	40	43	45

40x40	11.11	Airflow (CFM)	3201	4280	5350	6420	7490	8560	9630	10700	11770
		NC	11	19	25	30	34	37	40	43	45

48x36	12.00	Airflow (CFM)	3471	4628	5785	6942	8099	9256	10413	11570	12727
		NC	12	19	25	30	34	37	41	43	46

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A75, A85

1/2" Spacing, 0° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	300	400	500	600	700	800	900	1000	1100
		Vel. Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062	0.075
		Neg. Static Pressure	0.013	0.022	0.035	0.050	0.068	0.089	0.113	0.140	0.169

42x42	12.25	Airflow (CFM)	3546	4728	5910	7092	8274	9456	10638	11820	13002
		NC	12	19	25	30	34	38	41	43	46

44x44	13.44	Airflow (CFM)	3897	5198	6495	7794	9093	10392	11691	12990	14289
		NC	12	20	26	30	34	38	41	44	46

48x42	14.00	Airflow (CFM)	4062	5416	6770	8124	9478	10832	12186	13540	14894
		NC	12	20	26	31	35	38	41	44	47

46x46	14.69	Airflow (CFM)	4266	5688	7110	8532	9954	11376	12798	14220	15642
		NC	13	20	26	31	35	38	41	44	47

48x46	15.33	Airflow (CFM)	4455	5940	7425	8910	10395	11880	13365	14850	16335
		NC	13	20	26	31	35	39	42	44	47

48x48	16.00	Airflow (CFM)	4650	6200	7750	9300	10850	12400	13950	15500	17050
		NC	13	21	26	31	35	39	42	45	47

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A75D, A85D

1/2" Spacing, 35° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	100	200	300	400	500	600	700	800	900
		Vel. Pressure	0.001	0.002	0.006	0.010	0.016	0.022	0.031	0.040	0.050
		Neg. Static Pressure	0.003	0.011	0.026	0.045	0.071	0.102	0.139	0.182	0.230

6x6	0.25	Airflow (CFM)	19	38	57	76	95	114	133	152	171
		NC	-	-	-	-	10	18	25	29	33

8x6	0.33	Airflow (CFM)	26	52	78	107	130	156	182	208	234
		NC	-	-	-	-	11	19	25	30	35

10x6	0.42	Airflow (CFM)	34	68	102	136	170	204	238	272	306
		NC	-	-	-	-	12	20	26	31	36

12x6	0.50	Airflow (CFM)	41	82	123	164	205	246	287	328	369
		NC	-	-	-	-	12	20	26	32	36

14x6	0.58	Airflow (CFM)	48	96	144	192	240	288	336	384	432
		NC	-	-	-	-	12	20	26	32	37

16x6 12x8	0.67	Airflow (CFM)	57	114	171	228	285	342	399	456	513
		NC	-	-	-	-	13	21	27	32	38

10x10	0.69	Airflow (CFM)	59	118	177	236	295	354	413	472	531
		NC	-	-	-	-	13	21	27	32	38

18x6	0.75	Airflow (CFM)	63	126	189	252	315	378	441	504	567
		NC	-	-	-	-	14	22	28	33	38

20x6 12x10	0.83	Airflow (CFM)	72	144	216	288	360	432	504	576	648
		NC	-	-	-	-	14	22	28	33	38

22x6	0.92	Airflow (CFM)	77	154	231	308	385	462	539	616	693
		NC	-	-	-	-	14	22	28	34	38

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A75D, A85D

1/2" Spacing, 35° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	100	200	300	400	500	600	700	800	900
		Vel. Pressure	0.001	0.002	0.006	0.010	0.016	0.022	0.031	0.040	0.050
		Neg. Static Pressure	0.003	0.011	0.026	0.045	0.071	0.102	0.139	0.182	0.230

24x6 12x12	1.00	Airflow (CFM)	88	176	264	352	440	528	616	704	792
		NC	-	-	-	-	15	22	28	34	39

30x6 18x10	1.25	Airflow (CFM)	111	222	333	444	555	666	777	888	999
		NC	-	-	-	-	15	22	28	34	39

14x14	1.36	Airflow (CFM)	122	244	366	488	610	732	854	976	1098
		NC	-	-	-	-	16	23	29	34	39

36x6 18x12	1.50	Airflow (CFM)	135	270	405	540	675	810	945	1080	1215
		NC	-	-	-	-	16	24	29	34	39

22x10	1.53	Airflow (CFM)	137	274	411	548	685	822	959	1096	1233
		NC	-	-	-	-	16	24	30	35	39

30x8 24x10	1.67	Airflow (CFM)	149	298	447	596	745	894	1043	1192	1341
		NC	-	-	-	-	16	24	30	35	39

42x6 18x14	1.75	Airflow (CFM)	159	318	477	636	795	954	1113	1272	1431
		NC	-	-	-	-	17	24	30	35	39

16x16	1.78	Airflow (CFM)	162	324	486	648	810	972	1134	1296	1458
		NC	-	-	-	-	17	24	30	35	39

24x12 18x16	2.00	Airflow (CFM)	182	364	546	728	910	1092	1274	1456	1638
		NC	-	-	-	-	17	24	30	35	39

18x18	2.25	Airflow (CFM)	207	414	621	828	1035	1241	1449	1656	1863
		NC	-	-	-	-	18	25	31	35	40

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A75D, A85D

1/2" Spacing, 35° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft.2)	Core Vel. (fpm)	100	200	300	400	500	600	700	800	900
		Vel. Pressure	0.001	0.002	0.006	0.010	0.016	0.022	0.031	0.040	0.050
		Neg. Static Pressure	0.003	0.011	0.026	0.045	0.071	0.102	0.139	0.182	0.230

24x14	2.33	Airflow (CFM)	214	428	642	856	1070	1284	1498	1712	1926
		NC	-	-	17	25	31	35	39	43	46

30x12	2.50	Airflow (CFM)	229	458	687	916	1145	1374	1603	1832	2061
		NC	-	-	18	25	31	36	40	43	46

24x16	2.67	Airflow (CFM)	246	492	738	984	1230	1476	1722	1968	2214
		NC	-	-	18	25	31	36	40	43	46

20x20	2.78	Airflow (CFM)	257	514	771	1028	1285	1542	1799	2056	2313
		NC	-	-	18	26	31	36	40	44	47

36x12	3.00	Airflow (CFM)	275	550	825	1100	1375	1650	1925	2200	2475
		NC	-	-	19	26	32	36	40	44	47

30x16 24x20	3.33	Airflow (CFM)	311	622	933	1244	1555	1866	2177	2488	2799
		NC	-	-	19	26	32	37	41	44	47

22x22	3.36	Airflow (CFM)	314	628	942	1256	1570	1884	2198	2512	2826
		NC	-	-	19	27	32	37	41	44	47

42x12 36x14	3.50	Airflow (CFM)	322	644	966	1288	1610	1932	2254	2576	2898
		NC	-	-	19	27	32	37	41	44	48

24x22	3.67	Airflow (CFM)	343	686	1029	1372	1715	2058	2401	2744	3087
		NC	-	-	20	27	33	37	41	45	48

30x18	3.75	Airflow (CFM)	350	700	1050	1400	1750	2100	2450	2800	3150
		NC	-	-	20	27	33	37	41	45	48

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A75D, A85D

1/2" Spacing, 35° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	100	200	300	400	500	600	700	800	900
		Vel. Pressure	0.001	0.002	0.006	0.010	0.016	0.022	0.031	0.040	0.050
		Neg. Static Pressure	0.003	0.011	0.026	0.045	0.071	0.102	0.139	0.182	0.230

48x12 24x24	4.00	Airflow (CFM)	375	750	1125	1500	1875	2250	2625	3000	3375
		NC	-	-	-	10	19	26	33	39	43

36x18	4.50	Airflow (CFM)	422	844	1266	1688	2110	2532	2954	3376	3798
		NC	-	-	-	10	19	26	33	39	43

36x20 30x24	5.00	Airflow (CFM)	471	942	1413	1884	2355	2826	3297	3768	4239
		NC	-	-	-	11	19	27	33	38	43

42x18	5.25	Airflow (CFM)	494	988	1482	1976	2470	2964	3458	3952	4446
		NC	-	-	-	12	20	28	34	39	44

28x28	5.44	Airflow (CFM)	516	1032	1548	2064	2580	3096	3612	4128	4644
		NC	-	-	-	12	21	28	34	40	44

42x20 30x28	5.83	Airflow (CFM)	551	1102	1653	2204	2755	3306	3857	4408	4959
		NC	-	-	-	12	21	28	34	40	44

48x18 36x24	6.00	Airflow (CFM)	566	1132	1698	2264	2830	3396	3962	4528	5094
		NC	-	-	-	12	21	28	35	40	44

30x30	6.25	Airflow (CFM)	594	1188	1782	2376	2970	3564	4158	4752	5346
		NC	-	-	-	12	21	28	35	40	44

42x24 36x28	7.00	Airflow (CFM)	666	1332	1998	2664	3330	3996	4662	5328	5994
		NC	-	-	-	13	22	29	35	40	45

46x22	7.03	Airflow (CFM)	668	1336	2004	2672	3340	4008	4676	5344	6012
		NC	-	-	-	13	22	29	35	40	45

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A75D, A85D

1/2" Spacing, 35° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	100	200	300	400	500	600	700	800	900
		Vel. Pressure	0.001	0.002	0.006	0.010	0.016	0.022	0.031	0.040	0.050
		Neg. Static Pressure	0.003	0.011	0.026	0.045	0.071	0.102	0.139	0.182	0.230

32x32	7.11	Airflow (CFM)	678	1356	2034	2712	3390	4068	4746	5424	6102
		NC	-	-	-	13	22	29	35	40	45

36x30	7.50	Airflow (CFM)	716	1432	2148	2864	3580	4296	5012	5728	6444
		NC	-	-	-	14	23	30	36	41	46

48x24 36x32	8.00	Airflow (CFM)	763	1526	2289	3052	3815	4578	5341	6104	6867
		NC	-	-	-	14	23	30	36	41	46

34x34	8.03	Airflow (CFM)	768	1536	2304	3072	3840	4608	5376	6144	6912
		NC	-	-	-	14	23	30	36	41	46

36x34	8.50	Airflow (CFM)	814	1628	2442	3256	4070	4884	5698	6512	7326
		NC	-	-	-	14	23	30	36	41	46

42x30	8.75	Airflow (CFM)	838	1676	2514	3352	4190	5028	5866	6704	7542
		NC	-	-	-	14	23	30	36	41	46

36x36	9.00	Airflow (CFM)	863	1726	2589	3452	4315	5178	6041	6904	7767
		NC	-	-	-	14	23	30	36	41	46

42x34 48x30	9.92	Airflow (CFM)	960	1920	2880	3840	4800	5760	6720	7680	8640
		NC	-	-	-	14	23	30	36	41	46

38x38	10.03	Airflow (CFM)	964	1928	2892	3856	4820	5784	6748	7712	9676
		NC	-	-	-	14	23	330	36	41	46

42x36	10.50	Airflow (CFM)	1010	2020	3030	4040	5050	6060	7070	8080	9090
		NC	-	-	-	15	23	31	37	42	47

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.



ENGINEERING DATA

A75D, A85D

1/2" Spacing, 35° Blade Deflection

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	100	200	300	400	500	600	700	800	900
		Vel. Pressure	0.001	0.002	0.006	0.010	0.016	0.022	0.031	0.040	0.050
		Neg. Static Pressure	0.003	0.011	0.026	0.045	0.071	0.102	0.139	0.182	0.230

46x34	10.86	Airflow (CFM)	1045	2090	3135	4180	5225	6270	7315	8360	9405
		NC	-	-	-	15	23	31	37	42	47

42x38	11.08	Airflow (CFM)	1067	2134	32001	4268	5335	6402	7469	8536	9603
		NC	-	-	-	15	23	31	37	42	47

40x40	11.11	Airflow (CFM)	1070	2140	3210	4280	5350	6420	7490	8560	9630
		NC	-	-	-	15	23	31	37	42	47

48x36	12.00	Airflow (CFM)	1157	2314	3471	4628	5785	6942	8099	9256	10413
		NC	-	-	-	15	23	31	37	42	47

42x42	12.25	Airflow (CFM)	1182	2364	3546	4728	5910	7092	8274	9456	10638
		NC	-	-	-	15	24	31	37	42	47

44x44	13.44	Airflow (CFM)	1299	2598	3897	5196	6495	7794	9093	10392	11691
		NC	-	-	-	15	24	32	38	43	48

48x42	14.00	Airflow (CFM)	1354	2708	4062	5416	6770	8124	9478	10832	12186
		NC	-	-	-	16	24	32	38	43	48

46x46	14.69	Airflow (CFM)	1422	2844	4266	5688	7110	8532	9954	11376	12798
		NC	-	-	-	16	25	32	39	44	48

48x46	15.33	Airflow (CFM)	1485	2970	4455	5940	7425	8910	10395	11880	13365
		NC	-	-	-	16	25	32	39	44	48

48x48	16.00	Airflow (CFM)	1550	3100	4650	6200	7750	9300	10850	12400	13950
		NC	-	-	-	16	25	32	39	44	48

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Units: Face Velocity = fpm; Total Pressure = in. wc
3. NC is based upon 10dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands.
4. Dash "-" indicates NC value less than 10.