1/2" SPACING

45° DEFLECTION

Nominal Size		Nom	Core	Core Vel, fpm	200	300	400	500	600	700	800	900	1000	1200
W Width	H Height	Duct ft2	Area ft2	Ps	-0.01	-0.03	-0.05	-0.07	-0.10	-0.14	-0.18	-0.23	-0.29	-0.41
8	4	0.22	0.16	CFM	30	50	70	80	100	110	130	150	160	200
				NC	<20	<20	<20	<20	20	24	28	31	34	39
8	6	0.33	0.26	CFM	50	80	110	130	160	190	210	240	260	320
				NC	<20	<20	<20	<20	22	26	30	33	36	41
8	8	0.44	0.37	CFM	70	110	150	180	220	260	290	330	370	440
				NC	<20	<20	<20	<20	23	28	31	34	37	42
12	6	0.50	0.41	CFM	80	120	160	210	250	290	330	370	410	490
				NC	<20	<20	<20	<20	24	28	32	35	38	43
10	10	0.69	0.59	CFM	120	180	240	300	360	420	480	530	590	710
				NC	<20	<20	<20	20	25	30	33	37	39	44
14	8	0.78	0.67	CFM	130	200	270	330	400	470	530	600	670	800
				NC	<20	<20	<20	21	26	30	34	37	40	45
16	8	0.89	0.77	CFM	150	230	310	380	460	540	610	690	770	920
				NC	<20	<20	<20	22	27	31	34	38	41	46
12	12	1.00	0.88	CFM	180	260	350	440	530	620	700	790	880	1050
				NC	<20	<20	<20	22	27	31	35	38	41	46
20	8	1.11	0.97	CFM	190	290	390	480	580	680	780	870	970	1160
				NC	<20	<20	<20	23	28	32	35	39	42	47
18	10	1.25	1.11	CFM	220	330	440	550	660	780	890	1000	1110	1330
				NC	<20	<20	<20	23	28	32	36	39	42	47
14	14	1.36	1.22	CFM	240	370	490	610	730	850	980	1100	1220	1460
				NC	<20	<20	<20	24	29	33	36	40	43	48
24	10	1.67	1.49	CFM	300	450	600	750	900	1050	1190	1340	1490	1790
				NC	<20	<20	<20	24	29	34	37	41	43	48
16	16	1.78	1.62	CFM	320	480	650	810	970	1130	1290	1450	1620	1940
				NC	<20	<20	<20	25	30	34	38	41	44	49
24	12	2.00	1.82	CFM	360	540	730	910	1090	1270	1450	1630	1820	2180
				NC	<20	<20	<20	25	30	35	38	41	44	49
22	16	2.44	2.25	CFM	450	680	900	1130	1350	1580	1800	2030	2250	2700
				NC	<20	<20	20	26	31	35	39	42	45	50
20	20	2.78	2.57	CFM	510	770	1030	1290	1540	1800	2060	2320	2570	3090
				NC	<20	<20	21	27	32	36	40	43	46	51
22	22	3.36	3.14	CFM	630	940	1250	1570	1880	2200	2510	2820	3140	3760
				NC	<20	<20	22	28	33	37	41	44	47	52
24	24	4.00	3.75	CFM	750	1130	1500	1880	2250	2630	3000	3380	3750	4500
				NC	<20	<20	22	28	33	38	41	45	47	52
36	18	4.50	4.22	CFM	840	1270	1690	2110	2530	2960	3380	3800	4220	5070
				NC	<20	<20	23	29	34	38	42	45	48	53
30	24	5.00	4.72	CFM	940	1420	1890	2360	2830	3310	3780	4250	4720	5670
				NC	<20	<20	23	29	34	39	42	46	48	53
36	24	6.00	5.69	CFM	1140	1710	2280	2850	3410	3980	4550	5120	5690	6830
				NC	<20	<20	24	30	35	39	43	46	49	54
42	24	7.00	6.66	CFM	1330	2000	2660	3330	4000	4660	5330	5990	6660	7990
				NC	<20	<20	25	31	36	40	44	47	50	55
48	24	8.00	7.63	CFM	1530	2290	3050	3810	4580	5340	6100	6870	7630	9150
				NC	<20	<20	25	32	37	41	44	48	51	56

Notes:
- Nominal size represents duct size. For lay-in applications, use neck size to determine data, not module size.

Test Standard
- ANSI / ASHRAE standard 70

Sound Levels
- NC is noise criteria curve that will not be exceeded at the operating point. This is determined by assuming a 10dB (ref: 10^{-12} watts) room attenuation that is subtracted from the power levels in each of the 2nd thru 7th octave bands

Pressure
- P_S represents static pressure requirement. Total pressure can be calculated as $P_t = P_S + P_V$
- P_V is the air velocity pressure in the duct and is calculated as $P_V = (\text{Velocity}/4005)^2$
- All pressures are stated and calculated in inches of water