

Nominal Size		Nom Duct ft2	Core Area ft2	Core Velocity	400	500	600	700	800	900	1000	1200
W Width	H Height				Ps	-0.03	-0.05	-0.07	-0.10	-0.13	-0.17	-0.21
6	6	0.25	0.17	CFM	70	80	100	120	140	150	170	200
				NC	<20	<20	<20	<20	<20	22	25	30
8	6	0.33	0.24	CFM	100	120	140	170	190	210	240	290
				NC	<20	<20	<20	<20	21	24	27	32
12	6	0.50	0.37	CFM	150	190	220	260	300	340	370	450
				NC	<20	<20	<20	<20	23	26	29	34
10	10	0.69	0.55	CFM	220	280	330	390	440	500	550	670
				NC	<20	<20	<20	21	24	28	30	35
12	12	1.00	0.83	CFM	330	420	500	580	660	750	830	1000
				NC	<20	<20	<20	22	26	29	32	37
16	12	1.33	1.13	CFM	450	570	680	790	910	1020	1130	1360
				NC	<20	<20	20	24	27	31	34	39
16	16	1.78	1.55	CFM	620	770	930	1080	1240	1390	1550	1860
				NC	<20	<20	21	25	29	32	35	40
24	12	2.00	1.74	CFM	700	870	1050	1220	1390	1570	1740	2090
				NC	<20	<20	21	26	29	33	35	40
18	18	2.25	1.99	CFM	800	1000	1200	1390	1590	1790	1990	2390
				NC	<20	<20	22	26	30	33	36	41
24	16	2.67	2.38	CFM	950	1190	1430	1670	1900	2140	2380	2860
				NC	<20	<20	23	27	31	34	37	42
26	18	3.25	2.93	CFM	1170	1470	1760	2050	2350	2640	2930	3520
				NC	<20	<20	24	28	32	35	38	43
24	24	4.00	3.65	CFM	1460	1830	2190	2560	2920	3290	3650	4380
				NC	<20	20	25	29	33	36	39	44
32	22	4.89	4.50	CFM	1800	2250	2700	3150	3600	4050	4500	5400
				NC	<20	21	26	30	33	37	40	45
30	26	5.42	5.01	CFM	2000	2510	3010	3510	4010	4510	5010	6010
				NC	<20	21	26	30	34	37	40	45
36	24	6.00	5.56	CFM	2230	2780	3340	3900	4450	5010	5560	6680
				NC	<20	21	26	31	34	38	40	45
30	30	6.25	5.81	CFM	2330	2910	3490	4070	4650	5230	5810	6980
				NC	<20	22	27	31	35	38	41	46
32	30	6.67	6.22	CFM	2490	3110	3730	4350	4970	5600	6220	7460
				NC	<20	22	27	31	35	38	41	46
34	34	8.03	7.53	CFM	3010	3770	4520	5270	6030	6780	7530	9040
				NC	<20	23	28	32	36	39	42	47
40	30	8.33	7.82	CFM	3130	3910	4690	5480	6260	7040	7820	9390
				NC	<20	23	28	32	36	39	42	47
44	28	8.56	8.03	CFM	3210	4020	4820	5620	6430	7230	8030	9640
				NC	<20	23	28	32	36	39	42	47
36	36	9.00	8.48	CFM	3390	4240	5090	5930	6780	7630	8480	10170
				NC	<20	23	28	32	36	39	42	47
40	34	9.44	8.91	CFM	3560	4450	5340	6230	7120	8020	8910	10690
				NC	<20	23	28	33	36	40	42	47
42	36	10.50	9.93	CFM	3970	4970	5960	6950	7950	8940	9930	11920
				NC	<20	24	29	33	37	40	43	48
40	40	11.11	10.53	CFM	4210	5260	6320	7370	8420	9480	10530	12630
				NC	<20	24	29	33	37	40	43	48
48	36	12.00	11.39	CFM	4560	5690	6830	7970	9110	10250	11390	13670
				NC	<20	25	30	34	37	41	44	49
46	46	14.69	14.02	CFM	5610	7010	8410	9820	11220	12620	14020	16830
				NC	<20	25	30	35	38	42	44	49
48	48	16.00	15.30	CFM	6120	7650	9180	10710	12240	13770	15300	18360
				NC	20	26	31	35	39	42	45	50

**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<sup>-12</sup> watts) room attenuation that is subtracted from the power levels in each of the 2nd thru 7th octave bands

**Pressure**

- P<sub>s</sub> represents static pressure requirement. Total pressure can be calculated as P<sub>t</sub> = P<sub>s</sub> + P<sub>v</sub>
- P<sub>v</sub> is the air velocity pressure in the duct and is calculated as P<sub>v</sub> = (Velocity/4005)<sup>2</sup>
- All pressures are stated and calculated in inches of water