

Nominal Size		Nom Duct ft2	Core Area ft2	Core Velocity	300	400	500	600	700	800	900	1000
W Width	H Height				Ps	-0.01	-0.02	-0.03	-0.05	-0.06	-0.08	-0.10
8	4	0.22	0.13	CFM	40	50	70	80	90	110	120	130
				NC	<20	<20	<20	<20	22	25	29	32
8	6	0.33	0.23	CFM	70	90	110	140	160	180	200	230
				NC	<20	<20	<20	20	24	28	31	34
12	6	0.50	0.36	CFM	110	140	180	220	250	290	330	360
				NC	<20	<20	<20	22	26	30	33	36
10	10	0.69	0.54	CFM	160	220	270	320	380	430	490	540
				NC	<20	<20	<20	24	28	32	35	38
12	12	1.00	0.81	CFM	240	320	410	490	570	650	730	810
				NC	<20	<20	20	25	30	33	37	39
16	12	1.33	1.11	CFM	330	440	560	670	780	890	1000	1110
				NC	<20	<20	22	27	31	35	38	41
16	16	1.78	1.52	CFM	460	610	760	910	1070	1220	1370	1520
				NC	<20	<20	23	28	32	36	39	42
24	12	2.00	1.71	CFM	510	690	860	1030	1200	1370	1540	1710
				NC	<20	<20	24	29	33	37	40	43
18	18	2.25	1.96	CFM	590	790	980	1180	1370	1570	1770	1960
				NC	<20	<20	24	29	33	37	40	43
24	16	2.67	2.35	CFM	700	940	1170	1410	1640	1880	2110	2350
				NC	<20	<20	25	30	34	38	41	44
26	18	3.25	2.90	CFM	870	1160	1450	1740	2030	2320	2610	2900
				NC	<20	20	26	31	35	39	42	45
24	24	4.00	3.61	CFM	1080	1450	1810	2170	2530	2890	3250	3610
				NC	<20	21	27	32	36	40	43	46
32	22	4.89	4.45	CFM	1340	1780	2230	2670	3120	3560	4010	4450
				NC	<20	22	28	33	37	41	44	47
30	26	5.42	4.96	CFM	1490	1990	2480	2980	3480	3970	4470	4960
				NC	<20	22	28	33	37	41	44	47
36	24	6.00	5.51	CFM	1650	2210	2760	3310	3860	4410	4960	5510
				NC	<20	23	29	34	38	42	45	48
30	30	6.25	5.76	CFM	1730	2310	2880	3460	4040	4610	5190	5760
				NC	<20	23	29	34	38	42	45	48
32	30	6.67	6.16	CFM	1850	2470	3080	3700	4320	4930	5550	6160
				NC	<20	23	29	34	38	42	45	48
34	34	8.03	7.48	CFM	2240	2990	3740	4490	5230	5980	6730	7480
				NC	<20	24	30	35	39	43	46	49
40	30	8.33	7.77	CFM	2330	3110	3880	4660	5440	6210	6990	7770
				NC	<20	24	30	35	39	43	46	49
44	28	8.56	7.97	CFM	2390	3190	3990	4780	5580	6380	7170	7970
				NC	<20	24	30	35	40	43	46	49
36	36	9.00	8.42	CFM	2520	3370	4210	5050	5890	6730	7570	8420
				NC	<20	24	31	36	40	43	47	50
40	34	9.44	8.84	CFM	2650	3540	4420	5310	6190	7070	7960	8840
				NC	<20	25	31	36	40	44	47	50
42	36	10.50	9.87	CFM	2960	3950	4930	5920	6910	7890	8880	9870
				NC	<20	25	31	36	40	44	47	50
40	40	11.11	10.46	CFM	3140	4180	5230	6280	7320	8370	9410	10460
				NC	<20	25	32	37	41	44	48	51
48	36	12.00	11.32	CFM	3400	4530	5660	6790	7920	9050	10190	11320
				NC	<20	26	32	37	41	45	48	51
46	46	14.69	13.95	CFM	4180	5580	6970	8370	9760	11160	12550	13950
				NC	<20	27	33	38	42	46	49	52
48	48	16.00	15.22	CFM	4570	6090	7610	9130	10650	12170	13700	15220
				NC	<20	27	33	38	42	46	49	52

**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
- With an optional opposed blade damper, wide open, add +3 NC

**Pressure**

- P<sub>s</sub> represents static pressure, inches of water

**Core Velocity**

- Feet per minute

Aluminum Bar Grilles & Registers

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