

3/4" SPACING

40° DEFLECTION

Nominal Size		Nom Duct FT ²	Core Area FT ²	Core Vel, FPM	250	300	350	400	450	500	600	700	800
W Width	H Height				Ps	-01	-02	-02	-03	-04	-05	-07	-09
6	6	.25	.13	CFM	30	40	40	50	60	60	80	90	100
				NC	<20	<20	<20	<20	<20	<20	<20	<20	<20
8	6	.33	.18	CFM	50	60	60	70	80	90	110	130	150
				NC	<20	<20	<20	<20	<20	<20	<20	<20	<20
8	8	.44	.27	CFM	70	80	90	110	120	140	160	190	220
				NC	<20	<20	<20	<20	<20	<20	<20	<20	<20
12	6	.50	.30	CFM	80	90	110	120	140	150	180	210	240
				NC	<20	<20	<20	<20	<20	<20	<20	<20	<20
10	10	.69	.47	CFM	120	140	170	190	210	240	280	330	380
				NC	<20	<20	<20	<20	<20	<20	<20	<20	21
14	8	.78	.53	CFM	130	160	190	210	240	270	320	370	430
				NC	<20	<20	<20	<20	<20	<20	<20	<20	21
16	8	.89	.62	CFM	150	190	220	250	280	310	370	430	490
				NC	<20	<20	<20	<20	<20	<20	<20	<20	22
12	12	1.00	.73	CFM	180	220	260	290	330	360	440	510	580
				NC	<20	<20	<20	<20	<20	<20	<20	<20	23
20	8	1.11	.79	CFM	200	240	280	320	360	400	480	550	630
				NC	<20	<20	<20	<20	<20	<20	<20	<20	23
18	10	1.25	.93	CFM	230	280	330	370	420	470	560	650	740
				NC	<20	<20	<20	<20	<20	<20	<20	<20	24
14	14	1.36	1.04	CFM	260	310	360	420	470	520	630	730	830
				NC	<20	<20	<20	<20	<20	<20	<20	<20	24
24	10	1.67	1.27	CFM	320	380	450	510	570	640	760	890	1020
				NC	<20	<20	<20	<20	<20	<20	<20	<20	25
16	16	1.78	1.41	CFM	350	420	490	560	630	710	850	990	1130
				NC	<20	<20	<20	<20	<20	<20	<20	<20	26
24	12	2.00	1.58	CFM	400	480	550	630	710	790	950	1110	1270
				NC	<20	<20	<20	<20	<20	<20	20	26	32
22	16	2.44	2.00	CFM	500	600	700	800	900	1000	1200	1400	1600
				NC	<20	<20	<20	<20	<20	<20	21	27	33
20	20	2.78	2.31	CFM	580	690	810	930	1040	1160	1390	1620	1850
				NC	<20	<20	<20	<20	<20	<20	21	28	33
22	22	3.36	2.85	CFM	710	850	1000	1140	1280	1420	1710	1990	2280
				NC	<20	<20	<20	<20	<20	<20	22	29	34
24	24	4.00	3.44	CFM	860	1030	1200	1380	1550	1720	2060	2410	2750
				NC	<20	<20	<20	<20	<20	<20	23	29	35
30	30	6.25	5.54	CFM	1390	1660	1940	2220	2490	2770	3330	3880	4430
				NC	<20	<20	<20	<20	<20	<20	25	32	37

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

- Ps represents static pressure requirement for the grille ONLY. Add the pressure drop of the filter selected to determine the pressure drop for the assembly
- Total pressure can be calculated as $P_t = P_s + P_v$
- All pressures are inches w.g.
- To determine data for other sizes not shown, calculate Core Area as $(\text{Nom Width} - 1.75) \times (\text{Nom Height} - 1.75) / 144$. Find Core Area in table closest to calculated core area and find CFM value in that row to determine pressure and NC.