

Nominal Size		Core Area ft ²	Core Velocity	400	500	600	700	800	900	1000	1100
W Width	H Height			Ps	-0.03	-0.05	-0.07	-0.10	-0.13	-0.17	-0.21
6	3	0.07	CFM	30	30	40	50	60	60	70	80
			NC	<20	<20	<20	<20	<20	21	23	26
12	3	0.15	CFM	60	80	90	110	120	140	150	170
			NC	<20	<20	<20	<20	21	24	27	29
18	3	0.24	CFM	90	120	140	170	190	210	240	260
			NC	<20	<20	<20	<20	23	26	29	31
24	3	0.32	CFM	130	160	190	220	260	290	320	350
			NC	<20	<20	<20	20	24	27	30	33
30	3	0.40	CFM	160	200	240	280	320	360	400	440
			NC	<20	<20	<20	21	25	28	31	34
6	4	0.10	CFM	40	50	60	70	80	90	100	110
			NC	<20	<20	<20	<20	<20	22	25	28
12	4	0.23	CFM	90	110	140	160	180	210	230	250
			NC	<20	<20	<20	<20	22	26	29	31
18	4	0.35	CFM	140	180	210	250	280	320	350	390
			NC	<20	<20	<20	21	24	28	30	33
24	4	0.48	CFM	190	240	290	340	380	430	480	530
			NC	<20	<20	<20	22	26	29	32	34
30	4	0.60	CFM	240	300	360	420	480	540	600	660
			NC	<20	<20	<20	23	27	30	33	35
6	6	0.17	CFM	70	90	100	120	140	160	170	190
			NC	<20	<20	<20	<20	21	24	27	30
12	6	0.38	CFM	150	190	230	270	310	340	380	420
			NC	<20	<20	<20	21	25	28	31	33
18	6	0.59	CFM	240	300	350	410	470	530	590	650
			NC	<20	<20	<20	23	27	30	33	35
24	6	0.80	CFM	320	400	480	560	640	720	800	880
			NC	<20	<20	20	24	28	31	34	37
30	6	1.01	CFM	400	500	600	700	810	910	1010	1110
			NC	<20	<20	21	25	29	32	35	38
12	8	0.53	CFM	210	270	320	370	430	480	530	590
			NC	<20	<20	<20	22	26	29	32	35
18	8	0.83	CFM	330	410	500	580	660	740	830	910
			NC	<20	<20	20	24	28	31	34	37
24	8	1.12	CFM	450	560	670	780	890	1010	1120	1230
			NC	<20	<20	21	26	29	33	35	38
30	8	1.41	CFM	560	700	850	990	1130	1270	1410	1550
			NC	<20	<20	22	27	30	34	36	39
12	10	0.69	CFM	280	340	410	480	550	620	690	760
			NC	<20	<20	<20	24	27	30	33	36
18	10	1.06	CFM	430	530	640	740	850	960	1060	1170
			NC	<20	<20	21	25	29	32	35	38
24	10	1.44	CFM	580	720	860	1010	1150	1290	1440	1580
			NC	<20	<20	23	27	30	34	37	39
30	10	1.81	CFM	730	910	1090	1270	1450	1630	1810	1990
			NC	<20	<20	24	28	31	35	38	40
12	12	0.84	CFM	340	420	500	590	670	760	840	920
			NC	<20	<20	20	24	28	31	34	37
18	12	1.30	CFM	520	650	780	910	1040	1170	1300	1430
			NC	<20	<20	22	26	30	33	36	39
24	12	1.76	CFM	700	880	1050	1230	1410	1580	1760	1930
			NC	<20	<20	23	28	31	35	37	40
30	12	2.22	CFM	890	1110	1330	1550	1770	1990	2220	2440
			NC	<20	<20	24	29	32	36	38	41

Notes:

- Nominal size represents duct cut-out 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 = (Velocity/4005)²
- All pressures are stated and calculated in inches of water