

# 2 x 2 HOLES	NOM SIZE (Ak)	VEL	150	250	350	450	600	700	800	900	1000	1100
		Pt	.01	.01	.02	.04	.06	.08	.11	.14	.17	.20
4 (2 x 2)	6 x 6 (.07)	CFM	15	30	40	50	65	80	90	100	110	120
		THROW	1-2-7	4-7-11	6-9-13	8-10-15	9-12-17	11-13-19	11-14-20	12-15-21	13-16-22	13-16-23
		NC	<20	<20	<20	<20	<20	24	28	30	32	35
6 (3 x 2)	8 X 6 (.10)	CFM	25	40	60	75	100	115	135	150	165	185
		THROW	2-4-10	5-8-13	8-11-16	10-13-18	12-15-21	13-16-23	14-17-24	15-18-26	16-19-27	16-20-29
		NC	<20	<20	<20	<20	20	24	28	31	33	36
9 (3 x 3)	8 x 8 (.16)	CFM	35	65	90	110	150	175	200	225	250	275
		THROW	2-4-11	6-10-17	9-14-20	11-16-22	15-18-26	16-19-28	17-21-30	18-22-32	19-24-34	20-25-35
		NC	<20	<20	<20	<20	23	27	31	34	37	40
12 (4 x 3)	12 x 8 (.21)	CFM	50	85	115	150	200	235	265	300	335	365
		THROW	2-6-14	7-12-19	10-16-23	14-18-26	17-21-30	19-23-33	20-24-35	21-26-37	22-28-39	23-29-41
		NC	<20	<20	<20	<20	23	27	31	34	37	40
16 (4 x 4)	12x12 (.28)	CFM	65	110	155	200	265	310	355	400	445	490
		THROW	2-6-15	8-13-22	12-19-26	16-21-30	20-24-35	21-26-38	23-28-40	24-30-43	26-36-45	27-33-47
		NC	<20	<20	<20	<20	24	28	31	35	38	40
18 (6 x 3)	16x8 (.31)	CFM	75	125	175	225	300	350	400	450	500	550
		THROW	3-7-17	9-14-24	13-20-28	17-22-32	21-26-37	23-28-40	24-30-43	26-32-45	27-34-48	29-35-50
		NC	<20	<20	<20	<20	25	29	32	36	38	41
24 (6 x 4)	16x12 (.42)	CFM	100	165	235	300	400	465	535	600	665	735
		THROW	3-8-20	10-16-27	15-23-33	20-26-37	24-30-43	26-32-46	28-35-50	50-37-52	32-39-55	33-41-58
		NC	<20	<20	<20	<20	26	30	33	37	39	42
30 (6 x 5)	16x14 (.52)	CFM	125	210	290	375	500	585	665	750	835	915
		THROW	4-9-22	12-18-31	17-26-36	22-29-41	27-34-48	30-37-52	32-39-55	34-41-59	36-44-62	37-46-65
		NC	<20	<20	<20	20	27	32	35	38	41	43
49 (7 x 7)	18x18 (.85)	CFM	205	340	475	610	815	955	1090	1225	1360	1495
		THROW	5-12-28	15-23-39	22-33-47	28-37-53	35-43-61	38-47-66	41-50-71	43-53-75	46-56-79	48-59-83
		NC	<20	<20	<20	21	29	33	36	39	42	44
81 (9 x 9)	24x24 (1.41)	CFM	335	565	785	1015	1350	1575	1800	2025	2250	2475
		THROW	7-15-36	19-30-51	28-42-60	37-48-68	45-56-79	49-60-85	52-64-91	56-68-97	59-72-102	62-76-107
		NC	<20	<20	<20	25	32	35	39	42	45	47

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
- When an opposed blade damper is used, add NC adjustment as shown on page E-5

Throw

- The numbers shown are throw distances, in feet, measured along the jet trajectory axis relating to terminal velocities of 150, 100, & 50 fpm, with the jet attached to a surface.
- Terminal velocity is the air speed, in feet per minute, measured in the supply air stream.
- Velocity: CFM/gross area of 2" x 2" holes

Pressure

- P_t represents Total Pressure, inches of water, measured in the supply duct.

For Return Use

- Adjust the above supply data by adding +1 NC and use the P_t listed as the -P_s
- AK: Area factor with VK measured using Alnor velometer