

Size #	Vk, Velocity	750	1000	1250	1500	1750	2000	2500	3000	3500	4000
3	CFM	9	12	15	18	21	24	30	36	42	48
	Ps	0.04	0.08	0.12	0.18	0.24	0.31	0.49	0.70	0.96	1.25
	NC	<20	<20	<20	<20	<20	<20	<20	22	25	27
	Throw	3 5 10	3 7 12	4 9 13	5 10 14	6 11 16	7 12 17	9 13 19	10 14 20	11 16 22	12 17 24
4	CFM	16	21	26	32	37	42	53	63	74	84
	Ps	0.04	0.07	0.11	0.16	0.22	0.29	0.45	0.65	0.89	1.16
	NC	<20	<20	<20	<20	<20	<20	23	27	31	34
	Throw	3 7 13	5 9 16	6 11 17	7 13 19	8 15 21	9 16 22	11 17 25	13 19 27	15 21 29	16 22 31
5	CFM	27	36	45	54	63	72	90	108	126	144
	Ps	0.04	0.07	0.12	0.17	0.23	0.30	0.47	0.67	0.92	1.20
	NC	<20	<20	<20	<20	<20	<20	22	27	31	35
	Throw	4 9 18	6 12 20	7 15 23	9 18 25	10 19 27	12 20 29	15 23 32	18 25 35	19 27 38	20 29 41
6	CFM	40	50	60	70	80	90	120	140	160	190
	Ps	0.05	0.08	0.12	0.16	0.21	0.27	0.48	0.65	0.85	1.20
	NC	<20	<20	<20	<20	<20	<20	22	26	30	34
	Throw	6 12 21	7 15 24	9 17 26	10 20 28	12 21 30	13 23 32	17 26 37	20 28 40	21 30 43	23 33 47
7	CFM	50	70	90	100	120	140	170	200	240	270
	Ps	0.04	0.08	0.13	0.16	0.23	0.31	0.46	0.64	0.92	1.16
	NC	<20	<20	<20	<20	<20	21	26	30	35	38
	Throw	6 12 24	8 17 28	11 22 32	12 24 34	14 26 37	17 28 40	21 31 44	24 34 48	26 37 53	28 39 56
8	CFM	60	90	110	130	150	170	210	260	300	340
	Ps	0.04	0.08	0.13	0.18	0.23	0.30	0.46	0.70	0.93	1.20
	NC	<20	<20	<20	<20	20	23	28	33	37	40
	Throw	6 13 26	10 19 32	12 24 36	14 27 39	16 29 42	18 31 44	23 35 49	27 39 55	29 42 59	31 44 63
10	CFM	120	170	210	250	290	330	410	500	580	660
	Ps	0.04	0.08	0.12	0.17	0.23	0.30	0.46	0.69	0.93	1.20
	NC	<20	<20	<20	<20	<20	21	27	32	36	39
	Throw	9 19 37	13 26 44	16 33 49	19 38 54	22 41 58	26 44 62	32 49 69	38 54 76	41 58 82	44 62 87
12	CFM	170	230	290	350	400	460	580	690	810	920
	Ps	0.04	0.08	0.12	0.17	0.23	0.30	0.48	0.68	0.93	1.20
	NC	<20	<20	<20	<20	20	23	29	33	37	40
	Throw	11 22 44	15 30 51	19 38 58	23 45 63	26 48 68	30 51 73	38 58 82	45 63 89	48 68 97	51 73 103
16	CFM	340	450	560	670	780	900	1120	1340	1570	1790
	Ps	0.04	0.08	0.12	0.17	0.23	0.30	0.46	0.67	0.91	1.19
	NC	<20	<20	<20	20	24	27	33	38	42	45
	Throw	16 32 63	21 42 72	26 53 80	32 62 88	37 67 95	42 72 102	53 80 114	62 88 124	67 95 134	72 102 144
18	CFM	430	570	720	860	1000	1150	1430	1720	2010	2290
	Ps	0.04	0.07	0.11	0.16	0.22	0.29	0.44	0.64	0.88	1.14
	NC	<20	<20	<20	<20	23	26	31	36	40	43
	Throw	18 36 70	24 47 81	30 60 91	36 70 100	42 76 107	48 81 115	60 91 128	70 100 141	76 108 152	81 115 162
20	CFM	610	810	1020	1220	1420	1630	2040	2440	2850	3260
	Ps	0.04	0.07	0.12	0.17	0.23	0.30	0.47	0.67	0.92	1.20
	NC	<20	<20	<20	21	25	28	34	39	43	46
	Throw	21 43 84	28 57 97	36 71 108	43 84 119	50 90 128	57 97 137	71 108 153	84 119 168	91 128 181	97 137 194

Test Standard

- ANSI / ASHRAE standard 70
- Isothermal air used during testing.

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

Throw

- The numbers shown are throw distances, in feet, measured along the jet trajectory axis relating to terminal velocities of 200, 100, & 50 fpm, for a free, unattached jet (no surface effects). With surface effect, increase throw distance x 1.4
- For SPT-P2,P4 panels, throw distances with multiple nozzles discharging air in same direction can be estimated from table above by applying adjustment factor as follows: 2 Nozzles- Throw x 1.40 ; 3 Nozzles – Throw x 1.70 ; 4 Nozzles – Throw x 2.0

Pressure

- P_s represents Static Pressure, inches of water

Jet Velocity, Vk

- Feet per minute (fpm), measured at the nozzle discharge opening