

Neck Size, Ø	Neck Velocity	400	500	600	700	800	900	1000	1100
	Velocity Press, P _V	.01	.02	.02	.03	.04	.05	.06	.08
6	CFM	80	100	120	135	155	175	195	215
	P _S	.01	.02	.03	.04	.05	.07	.08	.10
	P _T	.02	.04	.05	.07	.09	.12	.14	.18
	NC	<15	<15	15	18	22	26	29	32
	Throw	1 2 4	2 2 5	2 3 6	2 3 7	3 4 8	3 4 8	3 5 9	4 5 9
8	CFM	140	175	210	245	280	315	350	385
	P _S	.02	.04	.05	.07	.09	.12	.14	.17
	P _T	.03	.05	.07	.10	.13	.17	.21	.25
	NC	<15	16	21	26	29	33	36	39
	Throw	2 3 7	3 4 8	3 5 9	4 6 10	4 7 11	5 7 11	5 8 12	6 9 12
10	CFM	220	275	325	380	435	490	545	600
	P _S	.03	.05	.08	.10	.13	.17	.21	.26
	P _T	.04	.07	.10	.13	.17	.22	.27	.33
	NC	<15	19	24	28	32	36	39	41
	Throw	3 5 9	4 6 11	5 7 11	6 8 12	6 9 13	7 10 14	8 11 15	9 11 16
12	CFM	315	395	470	550	630	705	785	865
	P _S	.04	.06	.08	.11	.14	.18	.22	.27
	P _T	.05	.07	.10	.14	.18	.23	.28	.35
	NC	15	21	26	31	35	38	41	44
	Throw	4 6 11	5 8 13	6 9 14	7 11 15	8 11 16	9 12 17	10 13 18	11 13 19
14	CFM	430	535	640	750	855	960	1070	1175
	P _S	.05	.08	.11	.15	.19	.24	.30	.36
	P _T	.06	.09	.13	.18	.23	.29	.36	.44
	NC	16	23	28	32	36	40	43	45
	Throw	5 8 13	7 10 15	8 11 16	9 12 17	11 13 19	11 14 20	12 15 21	13 15 22

Notes:

- Neck velocity is fpm, feet per minute.

Test Standard

- ANSI / ASHRAE standard 70
- Isothermal conditions
- Non-uniform air flow into diffusers increase sound levels, operating pressures, and can distort the air distribution pattern into the space

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 150,100,& 50 fpm and include a surface effect.
- Terminal velocity is the air speed, in feet per minute, measured in the supply air stream.
- For exposed duct installations, throws are 70% of the table values above.

Pressure

- P_S represents static pressure, inches of water
- P_T total pressure can be calculated by adding the Velocity pressure and Static pressure (P_S), inches of water
- All pressures are stated and calculated in inches of water.