

Neck Size, ϕ	Nom Duct Area, ft ²	Neck Velocity	1000	1100	1200	1300	1400	1600	1800	2000	2200	2400
		Ps	0.01	0.02	0.02	0.02	0.03	0.04	0.05	0.06	0.07	0.09
10	0.545	CFM	550	600	650	710	760	870	980	1090	1200	1310
		NC	<20	<20	22	24	26	30	34	37	39	42
		Projection, ft	13	15	16	17	19	21	24	27	29	32
12	0.785	CFM	790	860	940	1020	1100	1260	1410	1570	1730	1880
		NC	20	22	25	27	30	33	37	40	43	45
		Projection, ft	15	16	17	19	20	23	26	29	32	35
15	1.227	CFM	1230	1350	1470	1600	1720	1960	2210	2450	2700	2940
		NC	24	27	29	31	34	37	41	44	47	49
		Projection, ft	15	17	18	20	21	24	27	30	34	37
18	1.767	CFM	1770	1940	2120	2300	2470	2830	3180	3530	3890	4240
		NC	28	30	33	35	37	41	45	48	51	53
		Projection, ft	16	18	19	21	23	26	29	32	35	39
21	2.405	CFM	2400	2650	2890	3130	3370	3850	4330	4810	5290	5770
		NC	31	33	36	38	40	44	48	51	53	56
		Projection, ft	17	19	21	23	24	28	31	35	38	42
24	3.141	CFM	3140	3460	3770	4080	4400	5030	5650	6280	6910	7540
		NC	34	37	39	41	43	47	51	54	56	59
		Projection, ft	18	20	21	23	25	29	32	36	39	43
30	4.908	CFM	4910	5400	5890	6380	6870	7850	8830	9820	10800	11780
		NC	37	39	42	44	46	50	54	57	59	62
		Projection, ft	19	21	23	25	27	31	35	39	42	46

Notes:

- Neck velocity is fpm, feet per minute.

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

Projection

- The number shown is vertical projection distance, in feet, measured along the jet trajectory axis relating to terminal velocities of 150 fpm for a free, unbounded jet.
- Projection distance shown is with heating differential of 20° F. Refer to chart below to adjust for other heating differentials and terminal velocities.
- Terminal velocity is the air speed, in feet per minute, measured in the supply air stream.

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.

VERTICAL PROJECTION FACTORS					
Heating Temp Diff	Terminal Velocity, V _t , fpm				
	50	100	150	200	250
20° F	3.00	1.50	1.00	0.75	0.65
10° F	5.0	2.50	1.75	1.25	1.00
0° F	7.5	3.75	2.50	2.00	1.50