

Neck Size, Ø	Nom Duct Area, ft <sup>2</sup>	Neck Velocity	400	500	600	700	800	900	1000	1100
		Total Pressure	0.07	0.10	0.15	0.20	0.26	0.33	0.41	0.50
		Velocity Press	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.08
8	0.349	CFM	140	170	210	240	280	310	350	380
		NC	<20	21	27	31	35	38	42	44
		Throw	3   4   7	3   5   8	4   6   9	4   7   9	5   7   10	6   8   11	6   8   11	7   8   12
10	0.545	CFM	220	270	330	380	440	490	550	600
		NC	<20	22	28	32	36	39	42	45
		Throw	3   4   9	4   5   10	4   6   11	5   7   12	6   9   13	6   10   13	7   10   14	8   11   15
12	0.785	CFM	310	390	470	550	630	710	790	860
		NC	<20	23	29	33	37	40	44	46
		Throw	3   5   10	4   6   12	5   7   13	6   8   14	6   10   15	7   11   16	8   12   17	9   13   18
14	1.069	CFM	430	530	640	750	860	960	1070	1180
		NC	<20	24	29	34	38	41	44	47
		Throw	4   6   11	5   7   14	6   8   15	7   10   17	8   11   18	8   13   19	9   14   20	10   15   21
16	1.396	CFM	560	700	840	980	1120	1260	1400	1540
		NC	<20	25	31	35	39	42	45	48
		Throw	4   6   12	5   7   15	6   9   17	7   10   19	8   12   20	9   13   22	10   15   23	11   16   24

• 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<sup>-12</sup> 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**

- All pressures are stated and calculated in inches of water.