

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
		CFM	140	170	210	240	280	310	350	380
8	0.349	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
		CFM	220	270	330	380	440	490	550	600
10	0.545	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
		CFM	310	390	470	550	630	710	790	860
12	0.785	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
		CFM	430	530	640	750	860	960	1070	1180
14	1.069	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
		CFM	560	700	840	980	1120	1260	1400	1540
16	1.396	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
		CFM	560	700	840	980	1120	1260	1400	1540

• 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**

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