Neck Size, ø	Nom Duct Area, ft2	Neck Velocity	400	500	600	800	1000	1200	1400	1600	1800	2000
		Velocity Press	0.01	0.02	0.02	0.04	0.06	0.09	0.12	0.16	0.20	0.25
6	0.196	CFM	80	100	120	160	200	240	270	310	350	390
		Ps	0.02	0.04	0.05	0.09	0.15	0.21	0.27	0.35	0.45	0.56
		NC	<20	<20	<20	23	29	34	37	41	45	48
		Throw	1 2 4	2 3 5	2 3 7	3 4 9	4 5 11	4 7 13	5 7 15	6 8 16	6 9 17	7 11 18
8	0.349	CFM	140	170	210	280	350	420	490	560	630	700
		Ps	0.02	0.03	0.04	0.07	0.12	0.17	0.23	0.29	0.37	0.46
		NC	<20	<20	<20	20	26	31	36	39	43	45
		Throw	2 3 5	2 3 7	3 4 8	4 5 11	5 7 14	5 8 16	6 10 19	7 11 22	8 12 23	9 14 24
10	0.545	CFM	220	270	330	440	550	650	760	870	980	1090
		Ps	0.01	0.02	0.03	0.05	0.08	0.11	0.15	0.19	0.24	0.30
		NC	<20	<20	<20	21	27	31	36	39	43	46
		Throw	2 3 7	3 4 8	3 5 10	5 7 14	6 8 17	7 10 20	8 12 23	9 13 27	10 15 29	11 17 30
12	0.785	CFM	310	390	470	630	790	940	1100	1260	1410	1570
		Ps	0.02	0.03	0.04	0.07	0.11	0.15	0.21	0.27	0.34	0.42
		NC	<20	<20	<20	27	33	38	42	46	49	52
		Throw	3 4 8	3 5 10	4 6 12	6 8 17	7 10 21	8 12 25	10 14 29	11 17 33	12 19 35	14 21 36
15	1.227	CFM	490	610	740	980	1230	1470	1720	1960	2210	2450
		Ps	0.01	0.02	0.03	0.05	0.08	0.11	0.15	0.19	0.24	0.30
		NC	<20	<20	21	28	34	39	44	47	51	53
		Throw	3 5 10	4 6 13	5 8 15	7 10 20	9 13 26	10 15 31	12 18 36	14 20 41	15 23 43	17 25 46
18	1.767	CFM	710	880	1060	1410	1770	2120	2470	2830	3180	3530
		Ps	0.02	0.03	0.05	0.08	0.13	0.19	0.26	0.34	0.43	0.53
		NC	<20	<20	23	30	37	42	46	50	53	56
		Throw	4 6 12	5 8 15	6 9 19	8 12 25	10 15 31	12 19 37	14 22 43	16 25 49	19 28 52	21 31 55

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.