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	0.01	0.02	0.03	0.05	0.08	0.12	0.15	0.20	0.25	0.31
		NC	<20	<20	<20	20	27	33	37	41	45	48
		Throw	1 1 3	1 2 3	1 2 4	2 3 5	2 3 7	3 4 8	3 4 9	3 5 10	4 6 12	4 6 13
8	0.349	CFM	140	170	210	280	350	420	490	560	630	700
		Ps	0.01	0.02	0.03	0.06	0.09	0.13	0.18	0.24	0.30	0.37
		NC	<20	<20	<20	22	29	35	40	44	48	51
		Throw	1 2 4	1 2 4	2 3 5	2 4 7	3 4 9	4 5 11	4 6 12	5 7 14	5 8 16	6 9 18
10	0.545	CFM	220	270	330	440	550	650	760	870	980	1090
		Ps	0.02	0.02	0.04	0.07	0.10	0.14	0.19	0.25	0.32	0.40
		NC	<20	<20	<20	23	30	35	40	45	48	52
		Throw	1 2 4	2 3 5	2 3 6	3 4 8	3 5 10	4 6 12	5 7 14	6 8 17	6 9 19	7 10 21
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	0.16	0.22	0.28	0.35	0.44
		NC	<20	<20	<20	25	33	38	43	47	51	54
		Throw	1 3 5	2 3 6	3 4 8	3 5 10	4 6 13	5 8 15	6 9 18	7 10 21	8 12 23	9 13 26
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	0.20	0.25	0.31
		NC	<20	<20	<20	27	35	40	45	49	53	56
		Throw	1 3 6	2 4 8	3 5 9	4 6 12	5 8 15	6 9 18	7 11 21	8 12 24	9 14 27	10 15 30
18	1.767	CFM	710	880	1060	1410	1770	2120	2470	2830	3180	3530
		Ps	0.01	0.02	0.03	0.05	0.08	0.11	0.15	0.20	0.25	0.31
		NC	<20	<20	20	29	36	42	47	51	55	58
		Throw	2 4 8	3 5 10	4 6 12	5 8 16	7 10 20	8 12 24	9 14 28	11 16 32	12 18 36	13 20 40
21	2.405	CFM	960	1200	1440	1920	2400	2890	3370	3850	4330	4810
		Ps	0.02	0.03	0.04	0.07	0.11	0.16	0.22	0.28	0.36	0.44
		NC	<20	<20	21	30	37	43	48	52	55	59
		Throw	3 5 10	4 6 13	5 8 15	7 10 21	9 13 26	10 16 31	12 18 36	14 21 41	16 23 47	17 26 52
24	3.141	CFM	1260	1570	1880	2510	3140	3770	4400	5030	5650	6280
		Ps	0.01	0.02	0.03	0.06	0.09	0.13	0.18	0.24	0.30	0.37
		NC	<20	<20	21	31	38	44	48	53	56	60
		Throw	3 5 10	4 6 13	5 8 15	7 10 21	9 13 26	10 15 31	12 18 36	14 21 41	15 23 46	17 26 52

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.