SUPPLY

Neck Size, Ø	Nom Duct Area, ft2	Neck Velocity	300	400	500	600	700	800	1000	1200	1400	1600
		Velocity Press	0.01	0.01	0.02	0.02	0.03	0.04	0.06	0.09	0.12	0.16
6	0.196	CFM	60	80	100	120	140	160	200	240	270	310
		Ps	0.02	0.03	0.05	0.07	0.10	0.13	0.21	0.30	0.37	0.49
		NC	<20	<20	<20	22	26	29	36	41	44	48
		Throw	1 2 3	1 2 4	2 3 5	2 3 7	3 4 8	3 4 9	4 5 11	4 7 13	5 7 15	6 8 16
8	0.349	CFM	100	140	170	210	240	280	350	420	490	560
		Ps	0.01	0.03	0.04	0.06	0.08	0.11	0.17	0.25	0.34	0.44
		NC	<20	<20	<20	<20	23	27	33	38	42	46
		Throw	1 2 4	2 3 5	2 3 7	3 4 8	3 5 9	4 5 11	5 7 14	5 8 16	6 10 19	7 11 22
10	0.545	CFM	160	220	270	330	380	440	550	650	760	870
		Ps	0.01	0.02	0.03	0.04	0.06	0.07	0.12	0.16	0.22	0.29
		NC	<20	<20	<20	22	26	30	36	41	45	49
		Throw	1 2 5	2 3 7	3 4 8	3 5 10	4 6 12	5 7 14	6 8 17	7 10 20	8 12 23	9 13 27
12	0.785	CFM	240	310	390	470	550	630	790	940	1100	1260
		Ps	0.01	0.02	0.04	0.05	0.07	0.10	0.15	0.22	0.30	0.39
		NC	<20	<20	<20	21	25	29	35	40	44	48
		Throw	2 3 6	3 4 8	3 5 10	4 6 12	5 7 14	6 8 17	7 10 21	8 12 25	10 14 29	11 17 33
15	1.227	CFM	370	490	610	740	860	980	1230	1470	1720	1960
		Ps	0.01	0.02	0.03	0.04	0.06	0.07	0.11	0.16	0.22	0.29
		NC	<20	<20	<20	22	26	30	36	41	45	49
		Throw	2 4 8	3 5 10	4 6 13	5 8 15	6 9 18	7 10 20	9 13 26	10 15 31	12 18 36	14 20 41
18	1.767	CFM	530	710	880	1060	1240	1410	1770	2120	2470	2830
		Ps	0.01	0.02	0.03	0.05	0.07	0.08	0.13	0.19	0.26	0.34
		NC	<20	<20	<20	23	27	30	37	42	46	50
		Throw	2 5 9	4 6 12	5 8 15	6 9 19	7 11 22	8 12 25	10 15 31	12 19 37	14 22 43	16 25 49

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.

RETURN

Neck Size, Ø	Nom Duct Area, ft2	Neck Velocity	300	400	500	600	700	800	900	1000	1100	1200
		Velocity Press	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.08	0.09
6	0.196	CFM	60	80	100	120	140	160	180	200	220	240
		-PS	0.03	0.06	0.09	0.13	0.17	0.23	0.29	0.35	0.43	0.51
		NC	<20	<20	<20	22	26	29	33	36	38	41
8	0.349	CFM	100	140	170	210	240	280	310	350	380	420
		-Ps	0.03	0.06	0.09	0.13	0.17	0.24	0.29	0.37	0.43	0.53
		NC	<20	<20	<20	<20	23	27	30	33	35	38
10	0.545	CFM	160	220	270	330	380	440	490	550	600	650
		-Ps	0.02	0.04	0.07	0.10	0.13	0.17	0.22	0.27	0.32	0.38
		NC	<20	<20	<20	22	26	30	33	36	39	41
12	0.785	CFM	240	310	390	470	550	630	710	790	860	940
		-Ps	0.04	0.07	0.12	0.17	0.23	0.30	0.38	0.48	0.56	0.67
		NC	<20	<20	<20	21	25	29	32	35	37	40
15	1.227	CFM	370	490	610	740	860	980	1100	1230	1350	1470
		-Ps	0.04	0.06	0.10	0.14	0.19	0.25	0.31	0.39	0.47	0.56
		NC	<20	<20	<20	22	26	30	33	36	39	41
18	1.767	CFM	530	710	880	1060	1240	1410	1590	1770	1940	2120
		Ps	0.01	0.02	0.03	0.05	0.07	0.08	0.11	0.13	0.16	0.19
		NC	<20	<20	<20	23	27	30	34	37	39	42

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

Pressure
- PS represents negative static pressure, inches of water
- PT total pressure can be calculated by adding the Velocity pressure and Static pressure (Ps), inches of water
- All pressures are stated and calculated in inches of water.