

INLET SIZE	6"Ø	CFM	105	127	148	169	190	211	233	254	275	296
		P <sub>s</sub>	.01	.02	.02	.03	.04	.05	.06	.07	.09	.10
P <sub>T</sub>	.03	.04	.06	.08	.10	.12	.15	.18	.21	.24		
NC	11	15	20	24	27	31	33	36	38	41		
Throw	2 3 6	2 4 7	3 4 9	3 5 10	4 5 11	4 6 12	4 7 13	5 7 14	5 8 14	6 9 15		
8"Ø	CFM	132	153	174	195	217	238	259	280	301	323	
	P <sub>s</sub>	.02	.03	.04	.05	.06	.07	.08	.10	.11	.13	
	P <sub>T</sub>	.03	.04	.05	.07	.08	.10	.12	.14	.16	.18	
	NC	15	19	23	26	28	32	34	36	39	40	
	Throw	3 4 8	3 4 9	3 5 10	4 6 11	4 6 13	5 7 13	5 7 14	5 8 14	6 9 15	6 9 15	
10"Ø	CFM	145	168	190	213	236	258	281	304	326	349	
	P <sub>s</sub>	.03	.04	.05	.06	.08	.09	.11	.13	.15	.17	
	P <sub>T</sub>	.03	.05	.06	.07	.09	.11	.13	.15	.17	.20	
	NC	17	21	24	27	30	33	35	37	39	40	
	Throw	3 4 8	3 5 10	4 5 11	4 6 12	5 7 13	5 7 14	5 8 14	6 9 15	6 9 15	7 10 16	

### Test Standard

- ANSI / ASHRAE Standard 70 "Method of Testing for Rating the Performance of Air Outlets and Inlets"
- Data based on diffuser with Anemostat's insulated engineered plenum attached as a complete assembly.

### Sound Levels

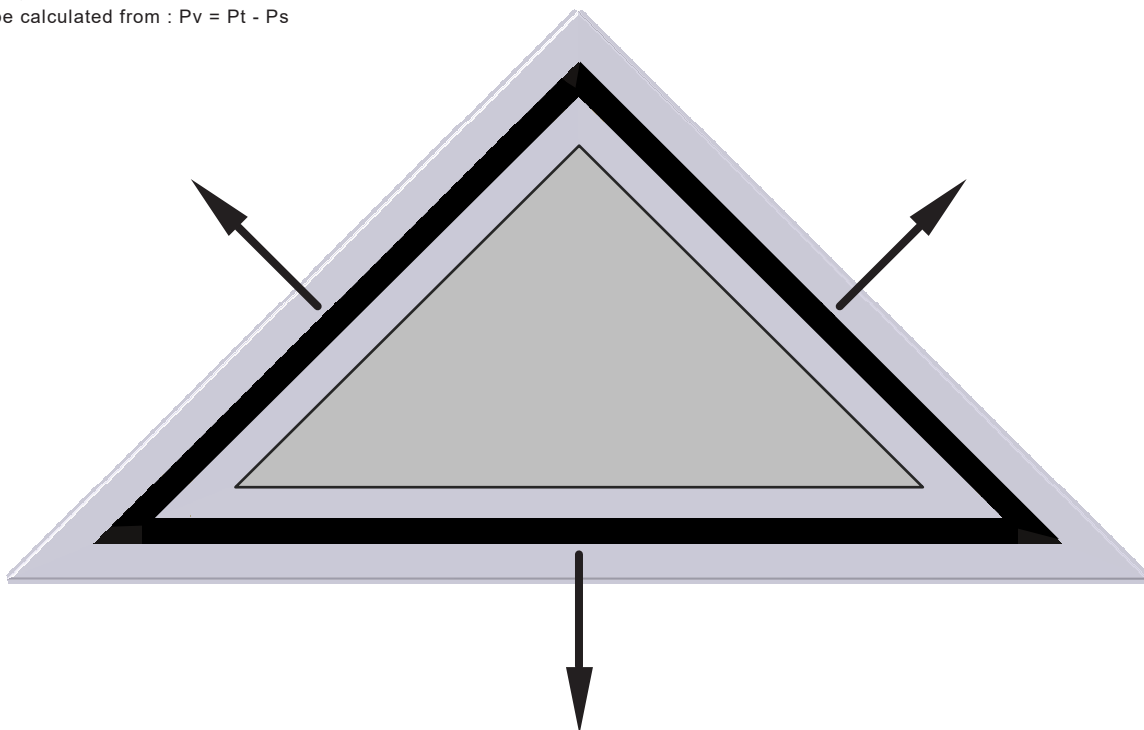
- NC is the noise criteria curve that will not be exceeded at the operating point. This is determined by assuming a 10 dB (ref:10-12 watts) room attenuation that is subtracted from the power levels in each of the 2nd thru 7th octave bands

### Pressure, inches of water

- P<sub>s</sub> is supply duct static pressure
- P<sub>t</sub> is supply duct total pressure
- P<sub>v</sub> can be calculated from :  $P_v = P_t - P_s$

### Throw (Horizontal Pattern)

- The numbers shown in table are throw distances, in feet, measured along the jet trajectory axis relating to terminal velocities of 150, 100, & 50 fpm, with the jet attached to a surface. The throw distances are for a 3-Way Pattern
- Each diffuser slot has adjustable pattern controllers that can be completely closed for a 2 or 1 way pattern or throttled to reduce the throw distance in that direction
- Terminal velocity is the air speed, in feet per minute, measured in the supply airstream.



INLET SIZE	6"Ø	CFM	71	85	100	114	128	142	156	170	185	199
		P <sub>s</sub>	.02	.03	.03	.05	.06	.07	.09	.10	.12	.14
P <sub>T</sub>	.03	.04	.05	.07	.08	.10	.13	.15	.17	.20	.20	
NC	12	16	21	24	27	31	33	36	38	40	40	
Throw	2 3 5	2 3 7	3 4 8	3 4 9	3 5 10	4 5 10	4 6 11	4 7 11	5 7 12	5 8 12	5 8 12	
8"Ø	CFM	75	92	108	125	142	158	175	192	208	225	
	P <sub>s</sub>	.02	.03	.05	.06	.08	.10	.12	.14	.17	.20	
	P <sub>T</sub>	.02	.04	.05	.07	.09	.11	.13	.16	.19	.22	
	NC	12	17	22	25	28	31	35	37	39	41	
	Throw	2 3 6	2 4 7	3 4 8	3 5 10	4 5 10	4 6 11	4 7 11	5 7 12	5 8 12	6 9 13	
10"Ø	CFM	75	92	108	125	142	158	175	192	208	225	
	P <sub>s</sub>	.02	.04	.05	.07	.09	.11	.13	.16	.19	.22	
	P <sub>T</sub>	.03	.04	.05	.07	.09	.12	.14	.17	.20	.23	
	NC	12	17	21	24	27	31	34	36	38	40	
	Throw	2 3 6	2 4 7	3 4 8	3 5 10	4 5 10	4 6 11	4 7 11	5 7 12	5 8 12	6 9 13	

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**Sound Levels**

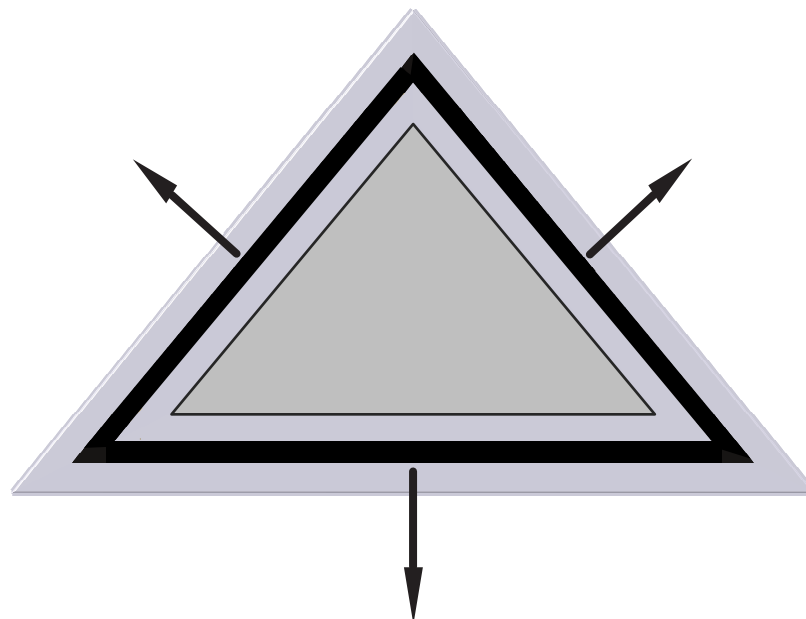
- NC is the noise criteria curve that will not be exceeded at the operating point. This is determined by assuming a 10 dB (ref:10-12 watts) room attenuation that is subtracted from the power levels in each of the 2nd thru 7th octave bands

**Pressure, inches of water**

- P<sub>s</sub> is supply duct static pressure
- P<sub>T</sub> is supply duct total pressure
- P<sub>v</sub> can be calculated from : P<sub>v</sub> = P<sub>T</sub> - P<sub>s</sub>

**Throw (Horizontal Pattern)**

- The numbers shown in table are throw distances, in feet, measured along the jet trajectory axis relating to terminal velocities of 150,100, & 50 fpm, with the jet attached to a surface. The throw distances are for a 3-Way Pattern
- Each diffuser slot has adjustable pattern controllers that can be completely closed for a 2 or 1 way pattern or throttled to reduce the throw distance in that direction
- Terminal velocity is the air speed, in feet per minute, measured in the supply airstream.



INLET SIZE	6"Ø	CFM	109	128	148	167	186	205	225	244	263	282
		P <sub>S</sub>	.01	.02	.03	.03	.04	.05	.06	.07	.08	.10
P <sub>T</sub>	.03	.05	.06	.08	.10	.12	.14	.17	.19	.22		
NC	12	16	21	25	27	31	33	36	38	41		
Throw	2   3   6	2   3   7	2   4   7	3   4   8	3   5   9	3   5   10	4   6   11	4   6   12	4   7   12	5   7   12		
8"Ø	CFM	109	133	158	182	206	230	255	279	303	327	
	P <sub>S</sub>	.02	.02	.03	.04	.06	.07	.09	.10	.12	.14	
	P <sub>T</sub>	.02	.03	.05	.06	.08	.10	.12	.14	.17	.20	
	NC	11	16	20	25	28	32	34	36	39	41	
	Throw	2   3   6	2   3   7	3   4   8	3   5   9	3   5   10	4   6   11	4   6   12	5   7   12	5   8   13	6   8   13	
10"Ø	CFM	122	148	173	199	225	250	276	302	327	353	
	P <sub>S</sub>	.02	.03	.05	.06	.08	.09	.11	.14	.16	.19	
	P <sub>T</sub>	.03	.04	.05	.07	.09	.11	.13	.16	.18	.21	
	NC	13	18	23	26	29	32	35	37	39	41	
	Throw	2   3   6	2   4   7	3   4   9	3   5   10	4   6   11	4   6   12	5   7   12	5   8   13	6   8   13	6   9   14	

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### Sound Levels

- NC is the noise criteria curve that will not be exceeded at the operating point. This is determined by assuming a 10 dB (ref:10-12 watts) room attenuation that is subtracted from the power levels in each of the 2nd thru 7th octave bands

### Pressure, inches of water

- P<sub>S</sub> is supply duct static pressure
- P<sub>T</sub> is supply duct total pressure
- P<sub>V</sub> can be calculated from : P<sub>V</sub> = P<sub>T</sub> - P<sub>S</sub>

### Throw (Horizontal Pattern)

- The numbers shown in table are throw distances, in feet, measured along the jet trajectory axis relating to terminal velocities of 150, 100, & 50 fpm, with the jet attached to a surface. The throw distances are for a 4-Way Pattern
- Each diffuser slot has adjustable pattern controllers that can be completely closed for a 2 or 1 way pattern or throttled to reduce the throw distance in that direction
- Terminal velocity is the air speed, in feet per minute, measured in the supply airstream.

