

MODEL	Duct Velocity Velocity Pressure	400 0.010	500 0.016	600 0.022	700 0.031	800 0.040	900 0.051	1000 0.062
<b>VT-L-06</b>	CFM	78	98	118	137	157	176	196
	Static Pressure	0.11	0.17	0.24	0.33	0.43	0.54	0.66
	NC	21	26	30	35	38	41	44
	Throw Distance	1-2-4	2-3-6	2-4-7	3-4-7	3-5-10	4-6-11	4-6-12
<b>VT-L-08</b>	CFM	140	175	209	244	279	314	349
	Static Pressure	0.09	0.14	0.20	0.27	0.35	0.44	0.55
	NC	21	26	30	35	38	41	44
	Throw Distance	2-3-6	3-4-8	3-5-10	4-6-11	4-7-13	5-8-15	6-8-16
<b>VT-L-10</b>	CFM	218	273	327	382	436	491	545
	Static Pressure	0.08	0.11	0.18	0.22	0.32	0.36	0.49
	NC	22	27	32	36	39	42	45
	Throw Distance	3-4-8	3-5-10	4-6-12	5-7-14	6-9-17	6-9-18	7-10-20
<b>VT-L-12</b>	CFM	314	393	471	550	628	707	785
	Static Pressure	0.08	0.11	0.18	0.22	0.32	0.36	0.49
	NC	22	27	32	36	39	42	45
	Throw Distance	3-5-10	4-6-12	5-8-15	6-9-17	7-10-20	7-11-22	8-12-24
<b>VT-L-14</b>	CFM	428	535	641	748	855	962	1069
	Static Pressure	0.08	0.11	0.18	0.22	0.32	0.36	0.49
	NC	22	27	32	36	39	42	45
	Throw Distance	4-6-12	5-7-14	6-9-17	7-10-20	8-12-23	9-13-26	10-14-28
<b>VT-L-16</b>	CFM	558	698	838	977	1117	1256	1396
	Static Pressure	0.08	0.11	0.18	0.22	0.32	0.36	0.49
	NC	23	28	33	37	40	43	46
	Throw Distance	4-7-14	5-8-16	7-10-19	8-12-23	9-14-26	10-16-29	11-18-32

• 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.

MODEL	Duct Velocity Velocity Pressure	400	600	800	1000	1200	1400
		0.01	0.022	0.04	0.062	0.089	0.122
VT-L1-06	CFM	78	118	157	196	235	274
	Total Pressure	0.016	0.037	0.065	0.101	0.146	0.2
	NC	<20	<20	<20	22	27	32
	Throw Distance	1-2-4	2-3-5	3-4-6	3-4-7	4-5-8	5-7-9
VT-L1-08	CFM	140	210	280	350	420	490
	Total Pressure	0.024	0.053	0.065	0.101	0.146	0.2
	NC	<20	<20	21	28	33	38
	Throw Distance	2-3-5	3-4-8	4-5-9	5-7-10	5-8-11	6-9-12
VT-L1-10	CFM	218	327	436	545	654	763
	Total Pressure	0.029	0.064	0.115	0.192	0.259	0.352
	NC	<20	<20	25	32	37	42
	Throw Distance	2-4-7	3-5-10	4-7-11	6-9-13	7-10-15	8-12-16
VT-L1-12	CFM	314	471	628	785	942	1099
	Total Pressure	0.037	0.082	0.15	0.222	0.329	0.442
	NC	<20	21	30	37	42	47
	Throw Distance	3-5-10	4-6-12	5-8-15	7-11-16	8-12-17	10-14-19
VT-L1-14	CFM	428	641	855	1069	1283	1497
	Total Pressure	0.059	0.132	0.23	0.352	0.509	0.692
	NC	<20	26	35	42	48	52
	Throw Distance	3-5-10	4-7-14	6-9-16	8-12-18	9-13-19	11-16-21

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	NC	21	26	30	35	38	41	44
	Throw Distance	1-2-4	2-3-6	2-4-7	3-4-7	3-5-10	4-6-11	4-6-12
<b>VT-S-08</b>	CFM	140	175	209	244	279	314	349
	Static Pressure	0.09	0.14	0.20	0.27	0.35	0.44	0.55
	NC	21	26	30	35	38	41	44
	Throw Distance	2-3-6	3-4-8	3-5-10	4-6-11	4-7-13	5-8-15	6-8-16
<b>VT-S-10</b>	CFM	218	273	327	382	436	491	545
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	Static Pressure	0.08	0.11	0.18	0.22	0.32	0.36	0.49
	NC	23	28	33	37	40	43	46
	Throw Distance	4-7-14	5-8-16	7-10-19	8-12-23	9-14-26	10-16-29	11-18-32
<b>VT-S-20</b>	CFM	872	1090	1309	1527	1745	1963	2181
	Static Pressure	0.07	0.11	0.15	0.21	0.27	0.35	0.41
	NC	24	30	34	38	42	44	47
	Throw Distance	5-9-18	6-10-20	8-12-24	10-15-28	11-17-31	12-19-35	13-21-37
<b>VT-S-24</b>	CFM	1256	1570	1885	2199	2513	2827	3141
	Static Pressure	0.05	0.08	0.12	0.16	0.20	0.25	0.31
	NC	26	32	37	41	44	47	49
	Throw Distance	6-11-22	7-12-24	9-14-28	11-17-32	13-20-36	14-22-40	15-24-42

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