Model DL NC 20 NC 30 NC 40 rev 09/05/97

Min. Duct Area m^2	Listed Size	Duct Velocity m/s	1.5	2.0	2.5	3.0	3.6	4.1	4.6	5.1
		Vel.Press, Pa	1	2	4	6	8	10	13	16
0.04	250mm x 150mm	l/s	61	81	102	122	142	162	183	203
		NC (Noise Criteria)	<10	<10	17	23	29	34	38	42
		Total Press., Pa	11	20	32	45	62	81	102	126
		Throw, m	1.5 - 1.8 - 5	2.3 - 3.3 - 6.8	2.8 - 4.3 - 8	3.3 - 5 - 8.8	4 - 5.8 - 9.5	4.5 - 6.8 - 10	5 - 7.5 - 10.8	5.5 - 8 - 11.3
0.08	450mm x 150mm	l/s	118	157	196	236	275	314	354	393
		NC (Noise Criteria)	<10	11	19	25	31	35	40	43
		Total Press., Pa	11	20	32	45	62	81	102	126
		Throw, m	3.3 - 5 - 8.5	4.3 - 6.5 - 10	5.5 - 8 - 11.3	6.5 - 8.5 - 12.3	7.5 - 9.5 - 13	8.3 - 10 - 14	8.5 - 10.8 - 15	9.3 - 11.3 - 15.8
0.13	750mm x 150mm	l/s	194	258	323	388	452	517	582	646
		NC (Noise Criteria)	<10	10	18	24	29	34	38	42
		Total Press., Pa	11	20	32	45	62	81	102	126
		Throw, m	5.3 - 8 - 11.3	7 - 9.3 - 12.8	8.3 - 10 - 14.3	9.3 - 11.3 - 15.8	9.8 - 12 - 17	10.3 - 12.8 - 18.3	11.3 - 13.8 - 19.3	11.5 - 14.3 - 20.5
0.32	1500mm x 150mm	l/s	384	512	640	767	895	1023	1151	1279
		NC (Noise Criteria)	<10	16	23	30	35	40	44	48
		Total Press., Pa	11	20	32	45	62	81	102	126
		Throw, m	9.3 - 11 - 15.5	10.3 - 12.8 - 18	11.5 - 14.3 - 20	12.8 - 15.5 - 22.3	13.8 - 16.8 - 23.8	14.8 - 18 - 25.5	15.5 - 19.3 - 27.3	16.5 - 20 - 28.8
0.14	500mm x 250mm	l/s	207	275	344	413	482	551	620	689
		NC (Noise Criteria)	<10	13	20	26	31	36	40	44
		Total Press., Pa	8	14	21	31	42	54	69	85
		Throw, m	5.5 - 8.3 - 11.5	7.5 - 9.5 - 13.5	8.5 - 10.3 - 15	9.5 - 11.5 - 16.3	10 - 12.5 - 17.8	11 - 13.5 - 19	11.5 - 14 - 19.8	12.3 - 15 - 21
0.33	1250mm x 250mm	l/s	507	676	845	1014	1183	1352	1521	1690
		NC (Noise Criteria)	<10	16	23	29	35	40	44	48
		Total Press., Pa	8	14	21	31	42	54	69	85
		Throw, m	10.3 - 12.8 - 18	12 - 14.8 - 20.8	13.5 - 16.5 - 23.3	14.8 - 18 - 25.5	15.8 - 19.5 - 27.5	17 - 20.8 - 29.3	18 - 22 - 31	19 - 23.3 - 33
0.46	1750mm x 250mm	l/s	707	943	1179	1415	1651	1886	2122	2358
		NC (Noise Criteria)	<10	18	25	31	36	41	45	49
		Total Press., Pa	8	14	21	31	42	54	69	85
		Throw, m	12.3 - 15 - 21.3	14.3 - 17.3 - 24.8	15.8 - 19.5 - 27.5	17.3 - 21.3 - 30.3	19 - 22.8 - 32.5	20 - 24.8 - 34.8	21.3 - 26 - 37	22.5 - 27.5 - 38.8
0.16	500mm x 300mm	l/s	247	330	412	494	577	659	741	824
		NC (Noise Criteria)	<10	13	20	27	32	37	41	45
		Total Press., Pa	7	13	20	29	39	51	64	79
		Throw, m	6.8 - 8.8 - 12.5	8.3 - 10.3 - 14.8	9.5 - 11.5 - 16.3	10.3 - 12.5 - 17.8	11 - 13.8 - 19.3	12 - 14.8 - 20.5	12.5 - 15.3 - 21.8	13 - 16.3 - 22.8
0.32	1000mm x 300mm	l/s	487	649	811	974	1136	1298	1460	1623
		NC (Noise Criteria)	<10	16	23	29	35	39	44	47
		Total Press., Pa	7	13	20	29	39	51	64	79
		Throw, m	10 - 12.5 - 17.8	12 - 14.3 - 20.5	13 - 16.3 - 22.8	14.3 - 17.8 - 25	15.5 - 19 - 26.8	16.8 - 20.5 - 28.8	17.8 - 21.8 - 30.5	18.5 - 22.8 - 32.3
0.56	1750mm x 300mm	l/s	846	1128	1411	1693	1975	2257	2539	2821
		NC (Noise Criteria)	<10	19	26	32	37	42	46	50
		Total Press., Pa	7	13	20	29	39	51	64	79
		Throw, m	13.5 - 16.5 - 23.3	15.5 - 19 - 26.8	17.3 - 21.3 - 29.8	19 - 23.3 - 33	20.5 - 25 - 35.8	22 - 26.8 - 38	23.3 - 28.3 - 40.3	24.5 - 29.8 - 42.3
0.15	400mm x 400mm	l/s	233	311	389	467	544	622	700	778
		NC (Noise Criteria)	<10	13	20	27	32	37	41	45
		Total Press., Pa	6	11	17	24	33	43	54	67
		Throw, m	5.8 - 8.5 - 12.3	7.5 - 10 - 14	9.3 - 11.3 - 15.8	10 - 12.3 - 17.3	10.8 - 13 - 18.5	11.5 - 14 - 19.8	12.3 - 15 - 21	12.8 - 15.8 - 22.3
0.50	1250mm x 400mm	l/s	756	1008	1260	1512	1764	2016	2268	2520
		NC (Noise Criteria)	<10	18	25	31	36	41	45	49
		Total Press., Pa	6	11	17	24	33	43	54	67
		Throw, m	12.8 - 15.5 - 22	14.8 - 18 - 25.3	16.5 - 20 - 28.3	18 - 22 - 31	19.5 - 23.8 - 33.5	20.8 - 25.3 - 36	22 - 26.8 - 38	23.3 - 28.3 - 40.3
0.69	1750mm x 400mm	l/s	1055	1406	1758	2109	2461	2812	3164	3515
		NC (Noise Criteria)	10	19	27	32	38	43	47	51
		Total Press., Pa	6	11	17	24	33	43	54	67
		Throw, m	15 - 18.3 - 26	17.3 - 21.3 - 29.8	19.3 - 23.8 - 33.5	21.3 - 26 - 36.5	22.8 - 28 - 39.5	24.5 - 29.8 - 42.3	26 - 31.8 - 45	27.5 - 33.5 - 47.3

NC 50

Data Notes:

- All data is based on tests conducted in accordance with ASHRAE 70-91
- Throw is based on iso-thermal air, 0.8, 0.5, 0.3 m/s terminal velocities
- Velocity Pressures are based on nominal duct velocity.
- Each NC value represents the noise criterion w hich will not be exceeded by the sound pressure in any of the octave bands, 2nd through 7th. Each NC value is based on a room absorption of 10 dB, re 10^{-12} w atts.
- Throw is based on a 15° upward deflection. For 0° multiply throws shown by 1.2, for 30° multiply by 0.8.

Note: All dimensions are nominal • product will be built to the closest inch equivalent dimension unless specially ordered to true metric • contact factory for availability of sizes •

Titus®

605 Shiloh Road • Plano, Texas 75074 • 972-212-4800

M47-S