

PERFORMANCE DATA | 1-CORE, NO DAMPER

		IP DATA				SOUND	METRIC DATA				
NOM DUCT	NECK VEL	AIR FLOW	Pt	1-CORE THROW	NOM DUCT		NECK VEL	AIR FLOW	Pt	1-CORE THROW	
in	fpm	cfm	in wg	ft	NC	cm	m/s	l/s	Pa	cm	
6 x 6	400	91	.038	5 - 7 - 9	<20	15.2 x 15.2	2.03	43	9.5	152 - 220 - 274	
	500	117	.108	6 - 9 - 11	<20		2.54	55	26.9	183 - 283 - 335	
	600	143	.155	7 - 10 - 13	20-25		3.05	67	38.6	213 - 315 - 396	
	700	169	.220	8 - 11 - 15	<30		3.56	80	54.8	244 - 346 - 457	
	800	182	.285	9 - 12 - 16	30		4.06	86	71.0	274 - 378 - 488	
	1000	234	.438	11 - 13 - 18	<40		5.08	110	109.1	335 - 409 - 549	
8 x 8	400	169	.038	8 - 10 - 12	<20	20.3 x 20.3	2.03	80	9.5	244 - 315 - 366	
	500	208	.108	9 - 12 - 14	<20		2.54	98	26.9	274 - 378 - 427	
	600	247	.155	10 - 14 - 17	20-25		3.05	117	38.6	305 - 441 - 518	
	700	286	.220	11 - 15 - 19	<30		3.56	135	54.8	335 - 472 - 579	
	800	338	.285	12 - 16 - 20	35		4.06	160	71.0	366 - 504 - 610	
	1000	416	.438	14 - 20 - 25	<40		5.08	196	109.1	427 - 630 - 762	
10 x 10	400	247	.038	10 - 12 - 14	<20	25.4 x 25.4	2.03	117	9.5	305 - 378 - 427	
	500	312	.108	10 - 14 - 18	<20		2.54	147	26.9	305 - 441 - 549	
	600	377	.155	12 - 16 - 20	<25		3.05	178	38.6	366 - 504 - 610	
	700	442	.220	13 - 17 - 21	30-35		3.56	209	54.8	396 - 535 - 640	
	800	494	.285	14 - 19 - 23	35-40		4.06	233	71.0	427 - 598 - 701	
	1000	624	.438	16 - 20 - 26	<45		5.08	294	109.1	488 - 630 - 792	
12 x 12	400	377	.038	10 - 14 - 18	<20	30.5 x 30.5	2.03	178	9.5	305 - 441 - 549	
	500	442	.108	12 - 16 - 20	20		2.54	209	26.9	366 - 504 - 610	
	600	546	.155	14 - 18 - 22	25		3.05	258	38.6	427 - 567 - 671	
	700	637	.220	15 - 18 - 23	30		3.56	301	54.8	457 - 567 - 701	
	800	728	.285	16 - 21 - 26	35		4.06	344	71.0	488 - 661 - 792	
	1000	910	.438	18 - 26 - 30	<45		5.08	429	109.1	549 - 818 - 914	
14 x 14	400	494	.038	12 - 16 - 20	<20	35.6 x 35.6	2.03	233	9.5	366 - 504 - 610	
	500	624	.108	14 - 18 - 24	20-25		2.54	294	26.9	427 - 567 - 732	
	600	754	.155	16 - 20 - 26	<30		3.05	356	38.6	488 - 630 - 792	
	700	871	.220	17 - 22 - 28	<35		3.56	411	54.8	518 - 693 - 853	
	800	1001	.285	18 - 23 - 29	<40		4.06	472	71.0	549 - 724 - 884	
	1000	1248	.438	20 - 28 - 36	<45		5.08	589	109.1	610 - 881 - 1097	
16 x 16	400	650	.038	13 - 18 - 24	<20	40.6 x 40.6	2.03	307	9.5	396 - 567 - 732	
	500	806	.108	16 - 22 - 27	20-25		2.54	380	26.9	488 - 693 - 823	
	600	975	.155	18 - 24 - 29	<30		3.05	460	38.6	549 - 756 - 884	
	700	1144	.220	19 - 24 - 30	<35		3.56	540	54.8	579 - 756 - 914	
	800	1300	.285	20 - 26 - 32	<40		4.06	614	71.0	610 - 818 - 975	
	1000	1638	.438	22 - 30 - 38	<45		5.08	773	109.1	671 - 944 - 1158	
18 x 18	400	830	.038	15 - 21 - 26	<20	45.7 x 45.7	2.03	392	9.5	457 - 661 - 792	
	500	1053	.108	18 - 25 - 30	20-25		2.54	497	26.9	549 - 787 - 914	
	600	1287	.155	24 - 30 - 36	30		3.05	607	38.6	732 - 944 - 1097	
	700	1482	.220	21 - 28 - 34	35		3.56	699	54.8	640 - 881 - 1036	
	800	1664	.285	22 - 29 - 36	<40		4.06	785	71.0	671 - 913 - 1097	
	1000	2080	.438	24 - 32 - 40	45		5.08	982	109.1	732 - 1007 - 1219	
20 x 20	400	988	.038	16 - 24 - 28	<20	50.8 x 50.8	2.03	466	9.5	488 - 756 - 853	
	500	1274	.108	20 - 26 - 32	20-25		2.54	601	26.9	610 - 818 - 975	
	600	1508	.155	22 - 28 - 35	25-30		3.05	712	38.6	671 - 881 - 1067	
	700	1768	.220	23 - 30 - 36	35-40		3.56	834	54.8	701 - 944 - 1097	
	800	2028	.285	24 - 31 - 40	40		4.06	957	71.0	732 - 976 - 1219	
	1000	2496	.438	26 - 34 - 44	45		5.08	1178	109.1	792 - 1070 - 1341	
24 x 24	400	1480	.038	18 - 26 - 32	<20	61.0 x 61.0	2.03	698	9.5	549 - 818 - 975	
	500	1820	.108	24 - 30 - 38	25		2.54	859	26.9	732 - 944 - 1158	
	600	2184	.155	28 - 36 - 44	25-30		3.05	1031	38.6	853 - 1133 - 1341	
	700	2548	.220	29 - 37 - 45	35-40		3.56	1203	54.8	884 - 1165 - 1372	
	800	2912	.285	31 - 39 - 45	40-45		4.06	1374	71.0	945 - 1228 - 1372	
	1000	3640	.438	26 - 41 - 49	45-50		5.08	1718	109.1	792 - 1291 - 1494	

NOTES: Throw values are given for terminal velocities of 100, 75, and 50 fpm. Throw values are given for isothermal conditions. NC values are based on Octave Band 2-7 sound power levels minus a room absorption of 10dB. Dash (-) in space denotes an NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991.