

TDV / SQUARE NECK / LOUVERED FACE, INDUCTION VANES / HORIZONTAL DISCHARGE PATTERN

	Neck Velocity	300	400	500	600	700	800	900
	Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.051
	Total Pressure	0.042	0.075	0.117	0.169	0.229	0.300	0.379
6" x 6"	Total cfm	75	100	125	150	175	200	225
	NC	11	19	25	29	33	37	40
	S1-Pattern Throw ft.	8-10-14	9-11-16	10-13-18	11-14-20	12-15-21	13-16-23	14-17-24
	S2 & G2- Pattern Throw ft.	4-6-10	5-8-12	6-10-14	8-10-15	9-11-16	10-12-17	10-13-18
	cfm Side A	19	25	31	38	44	50	56
	A3-Pattern Side A Throw ft.	3-5-8	4-7-9	6-7-10	7-8-11	7-9-12	8-9-13	8-10-14
	cfm Side B	28	38	47	56	66	75	84
	A3-Pattern Side B Throw ft.	4-6-9	5-7-11	6-8-12	7-9-13	8-10-14	9-11-15	9-11-16
	A4-Pattern Throw ft.	3-5-8	4-7-9	6-7-10	7-8-11	7-9-12	8-9-13	8-10-14
9" x 9"	Total cfm	169	225	281	338	394	450	506
	NC	14	21	27	32	36	40	43
	S1-Pattern Throw ft.	11-15-21	14-17-24	16-19-27	17-21-30	18-23-32	20-24-34	21-26-36
	S2 & G2- Pattern Throw ft.	6-9-16	8-11-18	10-14-20	11-16-22	13-17-24	15-18-26	16-19-27
	cfm Side A	42	56	70	84	98	113	127
	A3-Pattern Side A Throw ft.	4-7-12	7-10-14	8-11-16	10-12-17	11-13-18	11-14-20	12-15-21
	cfm Side B	63	84	105	127	148	169	190
	A3-Pattern Side B Throw ft.	8-10-14	9-11-16	10-13-18	11-14-20	12-15-21	13-16-23	14-17-24
	A4-Pattern Throw ft.	4-7-12	7-10-14	8-11-16	10-12-17	11-13-18	11-14-20	12-15-21
12" x 12"	Total cfm	300	400	500	600	700	800	900
	NC	16	23	29	34	38	41	44
	S1-Pattern Throw ft.	15-20-28	19-23-32	21-25-36	23-28-39	25-30-43	26-32-46	28-34-48
	S2 & G2- Pattern Throw ft.	10-14-26	13-19-30	16-24-34	19-26-37	22-28-40	25-30-43	26-32-45
	cfm Side A	75	100	125	150	175	200	225
	A3-Pattern Side A Throw ft.	6-10-16	9-13-19	11-15-21	13-16-23	14-17-25	15-19-26	16-20-28
	cfm Side B	113	150	188	225	263	300	338
	A3-Pattern Side B Throw ft.	11-13-18	12-15-21	14-17-24	15-18-26	16-20-28	17-21-30	18-23-32
	A4-Pattern Throw ft.	6-10-16	9-13-19	11-15-21	13-16-23	14-17-25	15-19-26	16-20-28
15" x 15"	Total cfm	469	625	781	938	1094	1250	1406
	NC	17	25	31	35	39	43	46
	S1-Pattern Throw ft.	19-25-35	23-29-40	26-32-45	29-35-49	31-38-53	33-40-57	35-43-60
	S2 & G2- Pattern Throw ft.	11-17-31	15-23-36	19-29-41	23-31-44	27-34-48	30-36-51	31-38-54
	cfm Side A	117	156	195	234	273	313	352
	A3-Pattern Side A Throw ft.	7-12-20	11-16-23	14-18-26	16-20-28	18-22-31	19-23-33	20-25-35
	cfm Side B	176	234	293	352	410	469	527
	A3-Pattern Side B Throw ft.	13-16-23	15-19-27	17-21-30	19-23-33	20-25-35	22-27-38	23-28-40
	A4-Pattern Throw ft.	7-12-20	11-16-23	14-18-26	16-20-28	18-22-31	19-23-33	20-25-35
18" x 18"	Total cfm	675	900	1125	1350	1575	1800	2025
	NC	18	26	32	37	41	44	47
	S1-Pattern Throw ft.	23-30-42	28-34-48	31-38-54	34-42-59	37-45-64	39-48-68	42-51-73
	S2 & G2- Pattern Throw ft.	11-17-31	15-23-36	19-29-41	23-31-44	27-34-48	30-36-51	31-38-54
	cfm Side A	169	225	281	338	394	450	506
	A3-Pattern Side A Throw ft.	9-15-24	13-20-28	17-22-31	20-24-34	21-26-37	23-28-39	24-30-42
	cfm Side B	253	338	422	506	591	675	759
	A3-Pattern Side B Throw ft.	16-20-28	18-23-32	21-25-36	23-28-39	24-30-42	26-32-45	28-34-48
	A4-Pattern Throw ft.	9-15-24	13-20-28	17-22-31	20-24-34	21-26-37	23-28-39	24-30-42

- All pressures are in inches of water
- Throw velocities given are for isothermal terminal velocities of 150, 100 and 50 fpm. See the section, Engineering Guidelines for additional information.
- NC values based on Octave Band 2 to 7 sound power levels minus a room absorption of 10 dB
- Dash (-) in space denotes an NC value less than 10
- Data obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-2006
- Throw values given are for isothermal conditions



TDV / SQUARE NECK / LOUVERED FACE, INDUCTION VANES / HORIZONTAL DISCHARGE PATTERN

	Neck Velocity	300	400	500	600	700	800	900
	Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.051
	Total Pressure	0.042	0.075	0.117	0.169	0.229	0.300	0.379
21" x 21"	Total cfm	919	1225	1531	1838	2144	2450	2756
	NC	19	27	33	38	42	45	48
	S1-Pattern Throw ft.	27-35-49	33-40-56	36-45-63	40-49-69	43-53-75	46-56-80	49-60-85
	S2 & G2- Pattern Throw ft.	13-20-37	18-27-42	22-33-47	27-37-52	31-40-56	35-42-60	37-45-63
	cfm Side A	230	306	383	459	536	613	689
	A3-Pattern Side A Throw ft.	10-17-28	16-23-32	19-26-36	23-28-40	25-30-43	27-32-46	28-34-49
	cfm Side B	345	459	574	689	804	919	1034
	A3-Pattern Side B Throw ft.	19-23-32	22-26-37	24-30-42	26-32-46	29-35-49	31-37-53	32-40-56
A4-Pattern Throw ft.	13-20-37	18-27-42	22-33-47	27-37-52	31-40-56	35-42-60	37-45-63	
24" x 24"	Total cfm	1200	1600	2000	2400	2800	3200	3600
	NC	20	28	34	38	42	46	49
	S1-Pattern Throw ft.	31-39-56	37-46-64	42-51-72	46-56-79	49-60-85	53-64-91	56-68-97
	S2 & G2- Pattern Throw ft.	15-23-42	20-30-48	25-38-54	30-42-59	35-45-64	39-48-68	42-51-72
	cfm Side A	300	400	500	600	700	800	900
	A3-Pattern Side A Throw ft.	12-20-32	18-26-37	22-29-41	26-32-45	28-35-49	30-37-52	32-39-56
	cfm Side B	450	600	750	900	1050	1200	1350
	A3-Pattern Side B Throw ft.	21-26-37	25-30-43	28-34-48	30-37-52	33-40-56	35-43-60	37-45-64
A4-Pattern Throw ft.	15-23-42	20-30-48	25-38-54	30-42-59	35-45-64	39-48-68	42-51-72	
30" x 30"	Total cfm	1875	2500	3125	3750	4375	5000	5625
	NC	22	29	35	40	44	47	51
	S1-Pattern Throw ft.	38-49-70	47-57-81	52-64-90	57-70-99	62-75-107	66-81-114	70-86-121
	S2 & G2- Pattern Throw ft.	19-29-52	25-38-60	32-48-68	38-52-74	44-56-80	49-60-85	52-64-91
	cfm Side A	469	625	781	938	1094	1250	1406
	A3-Pattern Side A Throw ft.	15-25-40	22-33-46	28-37-52	33-40-57	35-43-61	38-46-66	40-49-70
	cfm Side B	703	938	1172	1406	1641	1875	2109
	A3-Pattern Side B Throw ft.	27-33-46	31-38-53	34-42-60	38-46-65	41-50-71	44-53-76	46-57-80
A4-Pattern Throw ft.	19-29-52	25-38-60	32-48-68	38-52-74	44-56-80	49-60-85	52-64-91	
36" x 36"	Total cfm	2700	3600	4500	5400	6300	7200	8100
	NC	23	30	36	41	45	49	52
	S1-Pattern Throw ft.	46-59-84	56-68-97	62-76-108	68-84-118	74-90-128	79-97-137	84-103-145
	S2 & G2- Pattern Throw ft.	23-34-63	30-46-72	38-57-81	46-63-89	53-68-96	59-72-102	63-77-109
	cfm Side A	675	900	1125	1350	1575	1800	2025
	A3-Pattern Side A Throw ft.	18-30-48	27-39-56	33-44-62	39-48-68	43-52-74	45-56-79	48-59-83
	cfm Side B	1013	1350	1688	2025	2363	2700	3038
	A3-Pattern Side B Throw ft.	32-39-55	37-45-64	41-51-72	45-55-78	49-60-85	52-64-91	55-68-96
A4-Pattern Throw ft.	23-34-63	30-46-72	38-57-81	46-63-89	53-68-96	59-72-102	63-77-109	
48" x 48"	Total cfm	4800	6400	8000	9600	11200	12800	14400
	NC	25	32	38	43	47	51	54
	S1-Pattern Throw ft.	61-79-112	74-91-129	83-102-144	91-112-158	99-121-171	105-129-182	112-137-193
	S2 & G2- Pattern Throw ft.	30-46-84	41-61-97	51-76-108	61-84-118	71-90-128	79-97-137	84-102-145
	cfm Side A	1200	1600	2000	2400	2800	3200	3600
	A3-Pattern Side A Throw ft.	24-40-64	36-52-74	44-59-83	52-64-91	57-69-98	61-74-105	64-79-111
	cfm Side B	1800	2400	3000	3600	4200	4800	5400
	A3-Pattern Side B Throw ft.	43-52-74	49-60-85	55-68-96	60-74-105	65-80-113	70-85-121	74-91-128
A4-Pattern Throw ft.	30-46-84	41-61-97	51-76-108	61-84-118	71-90-128	79-97-137	84-102-145	

- All pressures are in inches of water
- Throw velocities given are for isothermal terminal velocities of 150, 100 and 50 fpm. See the section, Engineering Guidelines for additional information.
- NC values based on Octave Band 2 to 7 sound power levels minus a room absorption of 10 dB
- Dash (-) in space denotes an NC value less than 10
- Data obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-2006
- Throw values given are for isothermal conditions

TDV / ROUND NECK / LOUVERED FACE, INDUCTION VANES / HORIZONTAL DISCHARGE PATTERN

Return Factors -SP = 1.1 TP Add 1 to NC		Total cfm Total Pressure NC Side	78 0.031 9	98 0.050 15	117 0.071 20	137 0.097 24	156 0.126 28	176 0.160 31	215 0.239 37							
		cfm	Throw	cfm	Throw	cfm	Throw	cfm	Throw							
6	S1	X	78	6-9-17	98	7-11-20	117	9-13-21	137	10-15-23	156	12-17-25	176	13-19-26	215	16-21-29
x	S2&G2	X & Y	39	3-5-10	49	4-6-12	59	5-7-15	69	6-9-16	78	6-10-17	88	7-11-19	108	9-13-21
6	A3	X	28	3-4-8	37	3-5-9	44	4-6-9	52	5-7-10	59	5-8-11	66	6-8-12	81	7-9-13
6"	Y	Y	19	2-3-6	25	3-4-8	29	3-5-9	34	4-5-10	39	4-6-11	44	5-7-12	54	6-8-13
Round	A4	X & Y	19	2-3-6	29	3-4-8	34	3-5-9	39	4-5-10	44	4-6-11	54	5-7-12	64	6-8-13
Return Factors -SP = 1.1 TP Add 1 to NC		Total cfm Total Pressure NC Side	98 0.050 15	117 0.071 20	137 0.097 24	156 0.126 28	176 0.160 31	215 0.239 37	254 0.334 41							
		cfm	Throw	cfm	Throw	cfm	Throw	cfm	Throw							
9	S1	X	98	7-11-20	117	9-13-21	137	10-15-23	156	12-17-25	176	13-19-26	215	16-21-29	254	18-22-32
x	S2&G2	X & Y	49	4-6-12	59	5-7-15	69	6-9-16	78	6-10-17	88	7-11-19	108	9-13-21	127	11-16-22
9	A3	X	37	3-5-9	44	4-6-9	52	5-7-10	59	5-8-11	66	6-8-12	81	7-9-13	96	8-10-14
6"	Y	Y	25	3-4-8	29	3-5-9	34	4-5-10	39	4-6-11	44	5-7-12	54	6-8-13	64	7-10-14
Round	A4	X & Y	25	3-4-8	29	3-5-9	34	4-5-10	39	4-6-11	44	5-7-12	54	6-8-13	64	7-10-14
Return Factors -SP = 1.1 TP Add 1 to NC		Total cfm Total Pressure NC Side	139 0.032 10	174 0.049 16	209 0.071 21	244 0.097 25	279 0.127 29	314 0.161 32	383 0.239 38	453 0.335 42						
		cfm	Throw	cfm	Throw	cfm	Throw	cfm	Throw							
9	S1	X	139	8-12-23	174	10-15-26	209	12-18-29	244	14-21-31	279	16-23-33	314	18-25-35	383	22-27-39
x	S2&G2	X & Y	70	4-6-13	87	5-8-16	105	6-10-19	122	8-11-22	140	9-13-23	157	10-15-25	192	12-18-27
9	A3	X	52	4-5-10	66	4-7-11	79	5-8-13	92	6-9-14	105	7-10-15	119	8-11-15	145	10-12-17
8"	Y	Y	35	3-4-8	44	3-5-10	52	4-6-12	61	5-7-14	70	6-8-15	79	6-9-16	96	8-11-17
Round	A4	X & Y	35	3-4-8	44	3-5-10	52	4-6-12	61	5-7-14	70	6-8-15	79	6-9-16	96	8-11-17
Return Factors -SP = 1.1 TP Add 1 to NC		Total cfm Total Pressure NC Side	174 0.049 16	209 0.071 21	244 0.097 25	279 0.127 29	314 0.161 32	383 0.239 38	453 0.335 42							
		cfm	Throw	cfm	Throw	cfm	Throw	cfm	Throw							
12	S1	X	174	10-15-26	209	12-18-29	244	14-21-31	279	16-23-33	314	18-25-35	383	22-27-39	453	24-30-42
x	S2&G2	X & Y	87	5-8-16	105	6-10-19	122	8-11-22	140	9-13-23	157	10-15-25	192	12-18-27	227	14-21-30
12	A3	X	66	4-7-11	79	5-8-13	92	6-9-14	105	7-10-15	119	8-11-15	145	10-12-17	171	11-13-18
8"	Y	Y	44	3-5-10	52	4-6-12	61	5-7-14	70	6-8-15	79	6-9-16	96	8-11-17	113	9-13-19
Round	A4	X & Y	44	3-5-10	52	4-6-12	61	5-7-14	70	6-8-15	79	6-9-16	96	8-11-17	113	9-13-19
Return Factors -SP = 1.1 TP Add 1 to NC		Total cfm Total Pressure NC Side	218 0.032 11	272 0.049 17	327 0.072 22	381 0.097 26	447 0.127 30	490 0.161 33	599 0.240 38							
		cfm	Throw	cfm	Throw	cfm	Throw	cfm	Throw							
12	S1	X	218	10-15-29	272	12-18-33	327	15-22-36	381	17-26-39	436	20-29-41	490	22-31-44	599	27-34-48
x	S2&G2	X & Y	109	5-8-16	136	7-10-20	164	8-12-24	191	9-14-27	218	11-16-29	245	12-18-31	300	15-22-34
12	A3	X	82	4-7-13	103	6-8-14	123	7-10-16	144	8-12-17	165	9-13-18	185	10-14-19	226	12-15-21
10"	Y	Y	55	3-5-10	68	4-6-13	82	5-8-16	95	6-9-17	109	7-10-18	123	8-12-20	150	9-14-22
Round	A4	X & Y	55	3-5-10	68	4-6-13	82	5-8-16	95	6-9-17	109	7-10-18	123	8-12-20	150	9-14-22
Return Factors -SP = 1.1 TP Add 1 to NC		Total cfm Total Pressure NC Side	235 0.020 -	314 0.035 15	392 0.055 20	471 0.079 25	549 0.107 29	628 0.140 33	706 0.177 36							
		cfm	Throw	cfm	Throw	cfm	Throw	cfm	Throw							
12	S1	X	235	9-14-27	314	12-18-35	392	15-23-39	471	18-27-43	549	21-32-46	628	24-35-50	706	27-37-53
x	S2&G2	X & Y	118	5-7-15	157	7-10-20	196	8-12-25	236	10-15-30	275	12-17-33	314	13-20-35	353	15-22-37
12	A3	X	89	4-6-12	119	5-8-15	148	7-10-17	178	8-12-19	207	10-14-20	237	11-15-22	267	12-16-23
12"	Y	Y	59	2-5-10	79	4-6-13	98	5-8-16	118	6-10-19	137	7-11-21	157	8-13-22	177	10-14-23
Round	A4	X & Y	59	2-5-10	79	4-6-13	98	5-8-16	118	6-10-19	137	7-11-21	157	8-13-22	177	10-14-23
Return Factors -SP = 1.1 TP Add 1 to NC		Total cfm Total Pressure NC Side	314 0.035 13	392 0.055 19	471 0.079 24	549 0.107 28	623 0.138 32	706 0.177 35	863 0.264 40							
		cfm	Throw	cfm	Throw	cfm	Throw	cfm	Throw							
15	S1	X	314	12-18-35	392	15-23-39	471	18-27-43	549	21-32-46	623	24-35-49	706	27-37-53	863	33-41-58
x	S2&G2	X & Y	157	7-10-20	196	8-12-25	236	10-15-30	275	12-17-33	312	13-20-35	353	15-22-37	432	18-27-41
15	A3	X	119	5-8-15	148	7-10-17	178	8-12-19	207	10-14-20	235	11-15-22	267	12-16-23	326	15-18-26
12"	Y	Y	79	4-6-13	98	5-8-16	118	6-10-19	137	7-11-21	156	8-13-22	177	10-14-23	216	12-17-26
Round	A4	X & Y	79	4-6-13	98	5-8-16	118	6-10-19	137	7-11-21	156	8-13-22	177	10-14-23	216	12-17-26

- All pressures are in inches of water
- Throw velocities given are for isothermal terminal velocities of 150, 100 and 50 fpm. See the section, Engineering Guidelines for additional information.
- NC values based on Octave Band 2 to 7 sound power levels minus a room absorption of 10 dB
- Dash (-) in space denotes an NC value less than 10
- Data obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-2006
- Throw values given are for isothermal conditions

TDV / ROUND NECK / LOUVERED FACE, INDUCTION VANES / HORIZONTAL DISCHARGE PATTERN



Return Factors -SP = 1.1 TP Add 1 to NC		Total cfm Total Pressure NC Side	320 0.018 5	427 0.032 12	534 0.050 18	641 0.072 23	748 0.097 27	855 0.127 31	863 0.130 31							
		cfm	Throw	cfm	Throw	cfm	Throw	cfm	Throw							
15"	S1	X	320	10-15-31	427	14-21-41	534	17-26-46	641	21-31-50	748	24-36-54	855	28-41-58	863	28-41-58
	S2&G2	X & Y	160	6-9-17	214	8-11-23	267	9-14-28	321	11-17-34	374	13-20-38	428	15-23-41	432	15-23-41
15"	A3	X	121	4-7-14	161	6-9-18	202	8-12-20	242	9-14-22	282	11-16-24	323	12-18-25	326	13-18-26
	Y	Y	80	3-5-11	107	5-7-14	134	6-9-18	160	7-11-22	187	8-13-24	214	10-14-26	216	10-15-26
Round	A4	X & Y	80	3-5-11	107	5-7-14	134	6-9-18	160	7-11-22	187	8-13-24	214	10-14-26	216	10-15-26
Return Factors -SP = 1.1 TP Add 1 to NC		Total cfm Total Pressure NC Side	98 0.048 15	117 0.069 20	137 0.094 24	156 0.122 28	176 0.155 31	215 0.232 37	254 0.324 41							
		cfm	Throw	cfm	Throw	cfm	Throw	cfm	Throw							
18"	S1	X	98	7-11-20	117	9-13-21	137	10-15-23	156	12-17-25	176	13-19-26	215	16-21-29	254	18-22-32
	S2&G2	X & Y	49	4-6-12	59	5-7-15	69	6-9-16	78	6-10-17	88	7-11-19	108	9-13-21	127	11-16-22
18"	A3	X	37	3-5-9	44	4-6-9	52	5-7-10	59	5-8-11	66	6-8-12	81	7-9-13	96	8-10-14
	Y	Y	25	3-4-8	29	3-5-9	34	4-5-10	39	4-6-11	44	5-7-12	54	6-8-13	64	7-10-14
Round	A4	X & Y	25	3-4-8	29	3-5-9	34	4-5-10	39	4-6-11	44	5-7-12	54	6-8-13	64	7-10-14
Return Factors -SP = 1.1 TP Add 1 to NC		Total cfm Total Pressure NC Side	174 0.047 16	209 0.067 21	244 0.092 25	279 0.120 29	314 0.152 32	383 0.226 38	453 0.317 42							
		cfm	Throw	cfm	Throw	cfm	Throw	cfm	Throw							
18"	S1	X	174	10-15-26	209	12-18-29	244	14-21-31	279	16-23-33	314	18-25-35	383	22-27-39	453	24-30-42
	S2&G2	X & Y	87	5-8-16	105	6-10-19	122	8-11-22	140	9-13-23	157	10-15-25	192	12-18-27	227	14-21-30
18"	A3	X	66	4-7-11	79	5-8-13	92	6-9-14	105	7-10-15	119	8-11-15	145	10-12-17	171	11-13-18
	Y	Y	44	3-5-10	52	4-6-12	61	5-7-14	70	6-8-15	79	6-9-16	96	8-11-17	113	9-13-19
Round	A4	X & Y	44	3-5-10	52	4-6-12	61	5-7-14	70	6-8-15	79	6-9-16	96	8-11-17	113	9-13-19
Return Factors -SP = 1.1 TP Add 1 to NC		Total cfm Total Pressure NC Side	218 0.029 11	272 0.045 17	327 0.066 22	381 0.089 26	436 0.117 30	490 0.147 33	599 0.220 38							
		cfm	Throw	cfm	Throw	cfm	Throw	cfm	Throw							
18"	S1	X	218	10-15-29	272	12-18-33	327	15-22-36	381	17-26-39	436	20-29-41	490	22-31-44	599	27-34-48
	S2&G2	X & Y	109	5-8-16	136	7-10-20	164	8-12-24	191	9-14-27	218	11-16-29	245	12-18-31	300	15-22-34
18"	A3	X	82	4-7-13	103	6-8-14	123	7-10-16	144	8-12-17	165	9-13-18	185	10-14-19	226	12-15-21
	Y	Y	55	3-5-10	68	4-6-13	82	5-8-16	95	6-9-17	109	7-10-18	123	8-12-20	150	9-14-22
Round	A4	X & Y	55	3-5-10	68	4-6-13	82	5-8-16	95	6-9-17	109	7-10-18	123	8-12-20	150	9-14-22
Return Factors -SP = 1.1 TP Add 1 to NC		Total cfm Total Pressure NC Side	314 0.031 13	392 0.048 19	471 0.070 24	549 0.095 28	623 0.122 32	706 0.157 35	863 0.234 40							
		cfm	Throw	cfm	Throw	cfm	Throw	cfm	Throw							
18"	S1	X	314	12-18-35	392	15-23-39	471	18-27-43	549	21-32-46	623	24-35-49	706	27-37-53	863	33-41-58
	S2&G2	X & Y	157	7-10-20	196	8-12-25	236	10-15-30	275	12-17-33	312	13-20-35	353	15-22-37	432	18-27-41
18"	A3	X	119	5-8-15	148	7-10-17	178	8-12-19	207	10-14-20	235	11-15-22	267	12-16-23	326	15-18-26
	Y	Y	79	4-6-13	98	5-8-16	118	6-10-19	137	7-11-21	156	8-13-22	177	10-14-23	216	12-17-26
Round	A4	X & Y	79	4-6-13	98	5-8-16	118	6-10-19	137	7-11-21	156	8-13-22	177	10-14-23	216	12-17-26
Return Factors -SP = 1.1 TP Add 1 to NC		Total cfm Total Pressure NC Side	427 0.027 12	534 0.042 18	641 0.060 23	748 0.081 27	855 0.106 31	962 0.135 34	1175 0.201 40							
		cfm	Throw	cfm	Throw	cfm	Throw	cfm	Throw							
18"	S1	X	427	14-21-41	534	17-26-46	641	21-31-50	748	24-36-54	855	28-41-58	962	31-43-61	1175	38-48-68
	S2&G2	X & Y	214	8-11-23	267	9-14-28	321	11-17-34	374	13-20-38	428	15-23-41	481	17-26-43	588	21-31-48
18"	A3	X	161	6-9-18	202	8-12-20	242	9-14-22	282	11-16-24	323	12-18-25	363	14-19-27	444	17-21-30
	Y	Y	107	5-7-14	134	6-9-18	160	7-11-22	187	8-13-24	214	10-14-26	241	11-16-27	294	13-20-30
Round	A4	X & Y	107	5-7-14	134	6-9-18	160	7-11-22	187	8-13-24	214	10-14-26	241	11-16-27	294	13-20-30
Return Factors -SP = 1.1 TP Add 1 to NC		Total cfm Total Pressure NC Side	628 0.032 16	698 0.039 19	837 0.056 24	977 0.077 28	1256 0.126 35	1530 0.188 40	1808 0.262 45							
		cfm	Throw	cfm	Throw	cfm	Throw	cfm	Throw							
18"	S1	X	628	18-27-50	698	20-30-52	837	24-35-57	977	28-41-62	1256	35-50-70	1530	43-55-77	1808	49-60-84
	S2&G2	X & Y	314	10-15-29	349	11-16-32	419	13-19-39	488	15-23-44	568	17-26-50	647	19-29-55	744	23-31-60
18"	A3	X	237	8-12-22	263	9-13-23	316	11-16-25	369	12-19-27	422	14-22-31	475	16-24-34	528	18-26-37
	Y	Y	157	6-9-19	174	7-10-21	209	8-12-25	244	10-14-28	280	12-19-31	315	14-23-35	350	16-27-38
Round	A4	X & Y	157	6-9-19	174	7-10-21	209	8-12-25	244	10-14-28	280	12-19-31	315	14-23-35	350	16-27-38

- All pressures are in inches of water
- Throw velocities given are for isothermal terminal velocities of 150, 100 and 50 fpm. See the section, Engineering Guidelines for additional information.
- NC values based on Octave Band 2 to 7 sound power levels minus a room absorption of 10 dB
- Dash (-) in space denotes an NC value less than 10
- Data obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-2006
- Throw values given are for isothermal conditions