

W	H	Pt	0.05	0.06	0.08	0.11	0.15	0.20	0.25	0.31	0.38	0.45
8	8	CFM	80	90	100	120	140	160	180	200	210	230
		NC	<20	<20	<20	20	24	28	31	33	36	38
		4 way throw	4 5 7	4 5 7	4 6 8	5 6 9	5 7 9	6 7 10	6 7 10	6 8 11	7 8 11	7 8 12
		2 way throw	6 7 10	6 7 10	6 8 11	7 9 12	8 9 13	8 10 14	9 10 15	9 11 16	9 11 16	10 12 17
		1 way throw	8 10 14	9 10 15	9 11 16	10 12 17	11 13 18	11 14 20	12 15 21	13 16 22	13 16 23	14 17 24
12	12	CFM	180	210	230	280	320	370	410	460	510	550
		NC	<20	<20	<20	24	28	31	34	37	40	42
		4 way throw	6 7 10	7 8 11	7 8 12	8 9 13	8 10 14	9 11 15	9 11 16	10 12 17	10 12 18	11 13 18
		2 way throw	9 10 15	9 11 16	10 12 17	11 13 18	11 14 20	12 15 21	13 16 22	14 17 24	14 18 25	15 18 26
		1 way throw	12 15 21	13 16 23	14 17 24	15 18 26	16 20 28	17 21 30	18 22 31	19 24 33	20 25 35	21 26 36
16	16	CFM	330	380	420	500	580	670	750	830	920	1000
		NC	<20	<20	22	26	30	34	37	40	42	44
		4 way throw	8 10 14	9 11 15	9 11 16	10 12 17	11 13 19	12 14 20	12 15 21	13 16 22	14 17 24	14 17 25
		2 way throw	12 14 20	12 15 21	13 16 23	14 17 25	15 19 26	16 20 28	17 21 30	18 22 32	19 24 33	20 25 35
		1 way throw	16 20 28	18 21 30	18 23 32	20 25 35	22 26 37	23 28 40	25 30 43	26 32 45	27 33 47	28 35 49
20	20	CFM	530	590	660	790	920	1060	1190	1320	1450	1580
		NC	<20	21	24	28	32	36	39	42	44	46
		4 way throw	10 13 18	11 13 19	12 14 20	13 15 22	14 17 24	15 18 25	15 19 27	16 20 28	17 21 30	18 22 31
		2 way throw	15 18 25	15 19 27	16 20 28	18 22 31	19 24 33	21 25 36	22 27 38	23 28 40	24 30 42	25 31 44
		1 way throw	21 25 36	22 27 38	23 28 40	25 31 44	27 33 47	29 36 51	31 38 54	33 40 57	34 42 59	36 44 62
24	24	CFM	770	860	960	1150	1340	1530	1730	1920	2110	2300
		NC	<20	22	25	30	34	37	41	43	46	48
		4 way throw	12 15 22	13 16 23	14 17 24	15 19 26	16 20 28	18 22 30	19 23 32	20 24 34	21 25 36	22 26 37
		2 way throw	18 22 31	19 23 32	20 24 34	22 26 37	23 28 40	25 30 43	26 32 46	28 34 48	29 36 51	30 37 53
		1 way throw	25 31 43	26 32 46	28 34 48	30 37 53	33 40 57	35 43 61	37 46 65	39 48 68	41 51 71	43 53 75

TEST STANDARD

- ANSI / ASHRAE standard 70
- Isothermal conditions

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.
- Two way throw distance is shown for 2-way opposite configuration.
- Terminal velocity is the air speed, in feet per minute, measured in the supply air stream.
- **For a free jet (no surface effect), throws are 70% of the table values above.**

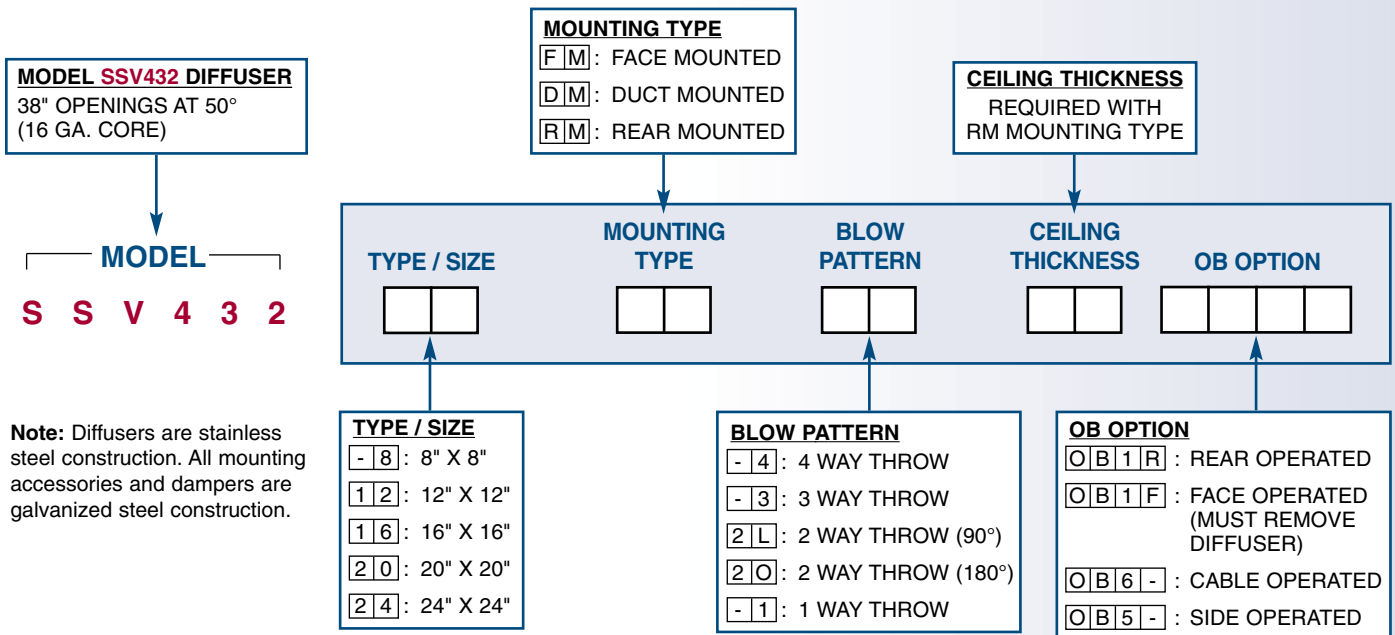
SOUND LEVELS

- 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
- **For 1-Way diffuser, deduct 2 NC from the data shown in the table.**

PRESSURE

- P_t represents total pressure, inches of water, for supply.
- P_s static pressure can be calculated by subtracting the Velocity pressure from the Total Pressure (P_t), inches of water
- All pressures are stated and calculated in inches of water.
- For 1-Way diffuser, reduce Total Pressure, P_t = Table Value x .80

ORDER SPECIFICATION



W	H	Pt	0.05	0.06	0.08	0.11	0.15	0.20	0.25	0.31	0.38	0.45																				
8	8	CFM	80			90			100			120			140			160			180			200			210			230		
		NC	<20			<20			<20			20			24			28			31			33			36			38		
		4 way throw	4	5	7	4	5	7	4	6	8	5	6	9	5	7	9	6	7	10	6	7	10	6	8	11	7	8	11	7	8	12
		2 way throw	6	7	10	6	7	10	6	8	11	7	9	12	8	9	13	8	10	14	9	10	15	9	11	16	9	11	16	10	12	17
		1 way throw	8	10	14	9	10	15	9	11	16	10	12	17	11	13	18	11	14	20	12	15	21	13	16	22	13	16	23	14	17	24
12	12	CFM	180			210			230			280			320			370			410			460			510			550		
		NC	<20			<20			<20			24			28			31			34			37			40			42		
		4 way throw	6	7	10	7	8	11	7	8	12	8	9	13	8	10	14	9	11	15	9	11	16	10	12	17	10	12	18	11	13	18
		2 way throw	9	10	15	9	11	16	10	12	17	11	13	18	11	14	20	12	15	21	13	16	22	14	17	24	14	18	25	15	18	26
		1 way throw	12	15	21	13	16	23	14	17	24	15	18	26	16	20	28	17	21	30	18	22	31	19	24	33	20	25	35	21	26	36
16	16	CFM	330			380			420			500			580			670			750			830			920			1000		
		NC	<20			<20			22			26			30			34			37			40			42			44		
		4 way throw	8	10	14	9	11	15	9	11	16	10	12	17	11	13	19	12	14	20	12	15	21	13	16	22	14	17	24	14	17	25
		2 way throw	12	14	20	12	15	21	13	16	23	14	17	25	15	19	26	16	20	28	17	21	30	18	22	32	19	24	33	20	25	35
		1 way throw	16	20	28	18	21	30	18	23	32	20	25	35	22	26	37	23	28	40	25	30	43	26	32	45	27	33	47	28	35	49
20	20	CFM	530			590			660			790			920			1060			1190			1320			1450			1580		
		NC	<20			21			24			28			32			36			39			42			44			46		
		4 way throw	10	13	18	11	13	19	12	14	20	13	15	22	14	17	24	15	18	25	15	19	27	16	20	28	17	21	30	18	22	31
		2 way throw	15	18	25	15	19	27	16	20	28	18	22	31	19	24	33	21	25	36	22	27	38	23	28	40	24	30	42	25	31	44
		1 way throw	21	25	36	22	27	38	23	28	40	25	31	44	27	33	47	29	36	51	31	38	54	33	40	57	34	42	59	36	44	62
24	24	CFM	770			860			960			1150			1340			1530			1730			1920			2110			2300		
		NC	<20			22			25			30			34			37			41			43			46			48		
		4 way throw	12	15	22	13	16	23	14	17	24	15	19	26	16	20	28	18	22	30	19	23	32	20	24	34	21	25	36	22	26	37
		2 way throw	18	22	31	19	23	32	20	24	34	22	26	37	23	28	40	25	30	43	26	32	46	28	34	48	29	36	51	30	37	53
		1 way throw	25	31	43	26	32	46	28	34	48	30	37	53	33	40	57	35	43	61	37	46	65	39	48	68	41	51	71	43	53	75

TEST STANDARD

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IMPORTANT It is the specifier's responsibility to properly configure the HVAC system to meet the appropriate level of comfort, safety, security and detention