



AIR ZONE INDUSTRIES, INC.

SERIES: DD
Radiated Sound Power Data

TECHNICAL DATA

Air Flow Characteristics			$\Delta Ps = \text{MIN}$							$\Delta Ps = \text{MIN} + 0.50''$							$\Delta Ps = \text{MIN} + 1.50''$							$\Delta Ps = \text{MIN} + 3.00''$						
S I Z E	C F M	M I N ΔPs	Sound Power Level (db)					NC	Sound Power Level (db)					NC	Sound Power Level (db)					NC	Sound Power Level (db)					NC				
			Octave Band (Hz)						Octave Band (Hz)						Octave Band (Hz)						Octave Band (Hz)									
			125	250	500	1000	2000		4000	125	250	500	1000		2000	4000	125	250	500		1000	2000	4000	125	250		500	1000	2000	4000
5"	75	.01	26	-	-	-	-	<20	40	38	25	-	-	-	<20	42	42	33	28	27	23	<20	44	43	38	33	34	33	<20	
	150	.03	31	21	-	-	-	<20	46	39	28	-	-	-	<20	50	50	39	30	30	25	<20	50	51	47	38	38	34	<20	
	300	.09	45	39	27	24	22	<20	59	56	45	38	31	24	<20	59	56	45	38	33	29	24	60	60	53	44	39	36	29	
	400	.19	51	45	33	29	27	25	<20	54	50	42	33	29	25	<20	60	57	47	41	35	32	25	64	62	54	46	41	38	31
6"	100	.01	28	-	-	-	-	<20	41	39	25	-	-	-	<20	42	43	34	29	29	24	<20	45	45	38	34	35	34	<20	
	200	.03	32	23	-	-	-	<20	47	39	28	21	-	-	<20	51	51	40	31	31	26	<20	51	52	48	39	39	35	20	
	400	.09	46	40	28	25	23	<20	60	57	46	39	32	25	<20	60	57	46	39	34	30	25	61	61	53	45	40	37	<20	
	500	.20	52	46	34	30	28	26	<20	55	51	43	34	29	26	<20	61	58	48	42	36	33	26	65	63	54	47	42	39	32
7"	150	.01	29	21	-	-	-	<20	46	37	27	24	24	21	<20	48	45	36	31	29	27	<20	51	48	41	36	37	31	<20	
	300	.03	37	28	21	-	-	<20	50	40	32	25	23	20	<20	57	52	43	33	30	28	<20	60	58	52	43	38	34	26	
	600	.08	47	41	31	27	25	24	<20	54	47	38	32	27	24	<20	62	54	47	39	35	31	24	68	62	54	47	43	40	31
	800	.14	51	45	33	29	28	26	<20	55	51	43	34	29	26	<20	64	58	49	42	38	33	26	69	63	55	48	44	39	32
8"	200	.01	30	22	-	-	-	<20	47	38	28	25	25	22	<20	49	46	37	30	31	29	<20	52	49	43	37	38	32	<20	
	500	.03	38	29	23	-	-	<20	50	41	33	26	24	-	<20	58	53	44	34	31	29	20	61	59	53	44	39	35	23	
	800	.09	48	42	32	28	26	25	<20	55	48	39	33	28	25	<20	63	56	48	40	36	33	25	69	63	54	48	44	41	32
	1000	.13	54	47	38	33	31	29	<20	59	53	45	39	34	30	<20	66	59	50	43	39	34	29	70	64	56	49	44	40	34
10"	400	.01	32	26	-	-	-	<20	45	40	31	26	24	-	<20	51	53	45	38	35	34	20	55	56	55	48	43	42	27	
	800	.01	43	35	30	27	23	-	<20	51	47	40	37	32	28	<20	57	55	47	42	38	38	22	59	61	56	52	46	45	30
	1000	.02	48	40	34	33	28	23	<20	54	50	40	35	32	30	<20	60	57	49	44	39	39	25	61	62	56	53	47	46	31
	1200	.06	52	44	37	37	33	28	<20	57	53	43	38	36	33	<20	62	58	50	45	41	40	26	64	63	57	53	47	46	32
12"	800	.01	34	28	25	-	-	<20	52	44	37	33	30	29	<20	60	56	50	43	40	39	24	63	61	58	52	48	47	31	
	1200	.01	42	34	32	28	23	-	<20	54	47	39	33	31	30	<20	62	57	50	44	41	40	25	67	63	59	53	49	48	32
	1600	.02	48	40	38	34	30	24	<20	58	50	42	37	33	32	<20	64	58	51	45	42	41	26	69	64	60	54	50	49	34
	2000	.04	53	45	42	39	36	30	<20	62	53	45	41	37	35	24	67	60	53	47	45	43	30	71	65	61	55	51	50	35
14"	1200	.01	35	29	26	20	-	<20	53	45	38	33	30	30	<20	61	57	51	44	40	40	25	64	62	59	54	48	48	32	
	1600	.01	43	36	33	29	24	-	<20	56	48	40	34	32	31	<20	63	58	52	45	41	41	26	68	64	60	54	49	48	34
	2000	.02	49	41	39	35	31	24	<20	59	51	43	38	34	33	<20	65	59	52	46	42	42	27	70	65	61	55	50	49	35
	2400	.03	54	46	43	40	37	31	<20	62	54	46	42	38	36	24	68	61	54	48	45	44	31	72	66	62	56	51	50	36
16"	1500	.01	32	26	-	-	-	<20	45	40	31	26	24	-	<20	51	53	45	38	35	34	20	55	56	55	48	43	42	27	
	2000	.01	43	35	30	27	23	-	<20	51	47	40	37	32	28	<20	57	55	47	42	38	38	22	59	61	56	52	46	45	30
	2500	.02	48	40	34	33	28	23	<20	54	50	40	35	32	30	<20	60	57	49	44	39	39	25	61	62	56	53	47	46	31
	3000	.03	52	44	37	37	33	28	<20	57	53	43	38	36	33	<20	62	58	50	45	41	40	26	64	63	57	53	48	47	32

- NOTES: 1. Tested and certified in accordance with ADC/ARI standard 880.
 2. All NC sound data is based upon 10 db room absorption plus applicable data in Table A.
 3. The lowest CFM flows shown above only imply a range; all terminals are capable of shut-off. The minimum pressure independent controlled flow is dependent on the controller specified; below that minimum the airflow is pressure dependent to shut-off.

TABLE A - STC 35 - 39 1/2 Pass Ceiling Absorption (db)

Band (Hz)	125	250	500	1000	2000	4000
Attenuation	9	10	12	14	15	15