



**AIR ZONE INDUSTRIES, INC.**

Series: **RFR**  
Radiated Sound Power Data

**PERFORMANCE DATA**

Air Flow Characteristics			$\Delta P_s = \text{MIN}$						$\Delta P_s = \text{Min} + 0.50''$						$\Delta P_s = \text{Min} + 1.50''$						$\Delta P_s = \text{Min} + 3.00''$									
S I Z E	C F M	M I N  $\Delta P_s$	Sound Power Level (db)						NC	Sound Power Level (db)						NC	Sound Power Level (db)						NC							
			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"	.01	.75	28	20	-	-	-	<20	42	39	32	24	-	-	<20	44	43	39	35	34	30	<20	46	45	41	39	38	38	<20	
	.03	150	33	23	20	-	-	<20	47	41	35	27	20	-	<20	52	51	46	37	36	32	<20	52	53	49	44	44	41	<20	
	.09	300	47	41	34	32	29	25	<20	61	58	52	45	37	33	<20	61	58	51	45	40	36	26	62	61	58	49	44	41	30
	.19	400	53	47	40	37	35	33	<20	57	52	49	40	36	32	21	62	59	52	49	46	48	27	66	64	59	51	45	42	32
6"	.01	100	30	22	-	-	-	<20	42	40	31	24	-	-	<20	44	45	39	34	34	29	<20	46	45	43	39	39	38	<20	
	.03	200	34	25	20	-	-	<20	49	41	34	27	21	-	<20	53	53	45	38	36	31	20	53	53	53	43	42	40	25	
	.09	400	48	42	33	30	28	21	<20	61	58	51	43	37	30	<20	61	59	51	44	38	35	27	63	62	58	50	45	42	31
	.20	500	54	48	41	38	35	34	<20	57	53	48	38	34	31	20	63	60	53	50	49	47	29	67	65	59	52	47	44	35
7"	.01	150	31	23	-	-	-	<20	48	39	32	29	29	26	<20	50	47	41	36	33	31	<20	53	50	48	41	41	36	<20	
	.03	300	39	30	26	-	-	<20	52	42	37	30	28	25	<20	58	54	48	38	34	32	21	62	60	57	48	43	39	30	
	.08	600	49	43	36	33	30	28	<20	58	49	43	37	32	29	<20	64	56	52	44	40	36	26	70	64	59	52	48	45	34
	.14	800	53	47	40	37	35	34	<20	57	53	48	39	34	31	20	66	60	54	50	49	48	27	71	65	60	53	48	44	35
8"	.01	200	32	24	-	-	-	<20	49	40	33	31	30	27	<20	51	48	42	35	35	34	<20	54	51	48	42	43	37	20	
	.03	500	40	31	28	21	-	<20	52	43	38	31	29	21	<20	60	55	49	39	36	34	22	63	61	58	49	44	40	31	
	.09	800	50	44	37	33	31	30	<20	57	50	44	38	33	30	<20	65	58	53	44	41	38	27	71	65	59	53	49	46	35
	.13	1000	55	49	43	40	38	37	<20	61	55	48	43	38	34	22	68	61	55	52	50	48	31	72	68	61	54	50	45	36
10"	.01	400	34	28	21	-	-	<20	47	42	36	31	29	20	<20	53	55	50	43	40	39	22	57	58	57	53	48	47	30	
	.01	800	45	37	34	31	28	21	<20	53	49	45	41	36	30	<20	59	57	52	47	43	43	25	61	63	60	57	51	50	33
	.02	1000	50	42	39	38	33	28	<20	56	52	48	42	37	32	<20	62	59	54	49	44	44	27	63	64	61	58	52	51	34
	.06	1200	54	46	42	41	38	37	<20	59	55	48	43	41	36	22	64	60	56	53	50	48	26	66	65	62	58	52	51	35
12"	.01	800	36	30	29	20	-	<20	54	46	42	38	35	30	<20	62	58	55	48	45	44	26	65	63	60	57	53	52	32	
	.01	1200	44	36	35	32	27	-	<20	58	49	44	38	36	33	<20	64	59	55	49	48	45	27	69	65	61	58	54	53	35
	.02	1600	50	42	41	39	35	29	<20	60	52	47	42	38	35	20	66	60	56	50	47	46	29	71	66	62	59	55	54	36
	.04	2000	55	47	44	41	39	38	<20	64	55	50	46	42	38	26	66	62	58	54	51	49	32	72	67	63	60	56	55	37
14"	.01	1200	37	31	30	25	-	<20	55	47	43	38	35	33	<20	63	59	56	49	45	45	27	66	64	63	59	53	53	34	
	.01	1600	45	38	36	34	29	20	<20	58	50	45	39	37	36	<20	65	60	57	50	46	46	30	70	66	64	59	54	53	36
	.02	2000	51	43	41	39	36	29	<20	61	53	48	43	39	38	22	67	61	57	51	47	47	30	72	67	65	60	55	54	37
	.03	2400	56	48	45	43	41	40	<20	64	56	51	47	43	41	26	70	63	60	57	55	54	33	73	68	66	61	56	55	38
16"	.01	1500	34	28	20	-	-	<20	47	42	36	31	29	20	<20	53	55	50	43	40	39	22	57	58	56	53	48	47	28	
	.01	2000	45	37	35	31	26	-	<20	53	48	45	42	37	33	<20	59	57	52	47	43	43	25	61	63	61	57	51	50	34
	.02	2500	50	42	39	38	33	28	<20	58	52	45	40	37	35	<20	62	59	54	49	44	44	27	63	64	62	58	52	51	35
	.03	3000	54	46	43	41	39	38	<20	59	55	48	43	41	38	22	65	61	58	56	54	53	31	66	65	63	58	53	52	36

$\Delta P_s$  = Static Pressure

- = Background or <20

- 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