Table 15: Radiated Sound Power Data (dB) – EZTA units with integral sound attenuator and EZTE units with integral electric heat

Inlet Size	Airflow (CFM)	0.5" ΔPs Sound Power Levels, dB Octave Band						1.0" ΔPs Sound Power Levels, dB Octave Band						2.0" ΔPs Sound Power Levels, dB Octave Band						3.0" ΔPs Sound Power Levels, dB Octave Band					
		2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7
5	125	46	41	33	30	27	24	51	43	39	34	33	27	50	46	43	39	38	33	50	47	44	42	42	37
	175	49	44	35	31	28	25	52	48	41	37	35	28	54	51	47	42	40	34	54	52	49	45	44	38
	250	52	47	39	33	30	26	55	51	44	38	36	29	58	56	50	45	43	35	58	58	53	48	46	39
	300	53	49	41	35	32	27	56	53	46	40	37	30	60	57	52	46	44	36	60	60	55	50	48	40
	350	54	50	44	37	34	32	58	55	48	41	39	34	62	58	54	47	45	38	62	61	58	51	49	41
6	200	49	42	35	29	28	27	52	47	40	34	34	31	52	49	46	39	40	37	53	50	48	42	43	40
	250	50	43	36	30	30	28	53	48	41	35	35	32	55	53	48	41	41	38	55	53	51	44	44	41
	300	51	44	37	31	31	29	54	49	42	36	36	33	57	55	49	42	42	39	57	56	53	46	45	42
	350	52	45	39	32	32	30	55	50	43	37	37	34	58	56	50	43	43	40	59	59	55	48	46	43
	400	53	46	41	34	33	31	56	51	44	38	38	35	60	57	51	44	44	41	60	61	56	49	47	44
	500	56	50	45	38	37	35	58	53	48	40	40	38	62	58	53	46	45	42	63	62	57	50	49	45
7	250	50	46	38	33	30	26	52	51	44	39	36	31	52	52	48	43	41	36	52	53	49	46	44	41
	300	51	47	39	35	31	27	53	55	46	40	37	32	53	55	50	45	43	38	54	56	52	48	45	42
	400	52	48	40	36	33	28	56	56	48	42	39	33	56	62	54	49	45	40	57	61	56	51	48	43
	500	55	49	42	38	34	30	57	57	49	43	40	34	59	65	58	52	47	41	59	66	60	55	50	45
	600	58	50	45	40	36	31	60	58	50	44	41	35	61	66	59	53	48	42	61	69	63	58	52	46
	675	59	51	47	42	38	32	61	59	51	45	42	36	64	67	60	54	49	43	63	70	65	60	53	47
8	350	49	44	36	31	29	29	53	50	43	38	36	34	54	55	50	45	43	40	55	55	52	48	47	44
	475	50	45	37	33	32	30	54	51	44	39	37	35	56	60	51	46	44	41	57	60	56	51	48	44
	600	51	46	39	35	33	31	55	52	45	40	38	36	58	61	52	47	45	41	59	64	58	52	49	45
	700	53	47	41	37	36	32	56	53	46	41	39	37	60	62	53	48	45	42	60	65	59	53	50	46
	800	54	49	44	40	38	33	57	54	47	43	41	38	61	63	54	49	46	43	62	66	60	54	50	47
	900	56	50	47	43	40	35	59	55	49	45	43	39	63	64	55	50	47	44	63	67	61	55	51	47
9	450	47	44	37	33	31	26	51	52	43	38	36	31	55	58	51	45	43	38	57	63	55	49	47	42
	525	48	45	38	34	32	27	52	53	44	39	37	32	57	59	52	46	44	39	58	66	57	50	48	43
	600	49	46	39	35	33	28	53	54	45	40	38	33	58	60	53	47	45	40	59	67	58	51	49	44
	700	53	49	41	36	34	29	54	55	46	41	39	34	59	61	54	48	46	41	60	68	59	52	50	45
	900	55	54	45	39	36	31	55	56	48	43	40	35	60	62	55	49	47	42	61	69	60	53	51	46
	1100	56	55	48	42	38	33	56	57	50	44	41	36	61	63	56	50	48	44	63	70	61	54	52	47
10	550	49	43	38	34	33	28	52	51	43	40	39	35	54	57	50	46	45	40	55	61	53	51	48	43
	675	50	44	40	36	34	29	53	52	44	41	40	36	56	58	51	47	46	41	56	62	54	51	49	44
	800	51	46	41	37	35	30	54	53	45	42	41	37	57	59	52	48	47	42	58	63	55	52	50	45
	1000	52	48	44	39	37	31	55	54	47	43	42	38	59	60	53	49	48	43	60	64	56	53	51	46
	1200	55	51	46	41	39	34	57	55	49	45	43	39	61	61	54	50	49	44	62	65	57	53	52	47
	1400	57	53	49	44	41	36	59	56	52	48	46	40	63	62	55	51	50	45	64	66	58	54	53	48
12	800	51	44	37	34	33	27	56	50	43	39	39	33	60	59	51	46	44	39	60	60	57	50	48	43
	1000	52	45	38	35	34	29	57	51	44	40	40	34	62	60	52	47	45	40	62	62	58	51	49	44
	1200	53	47	40	37	35	30	58	52	45	41	41	35	63	61	53	48	46	41	64	63	59	52	50	45
	1400	54	48	42	39	36	31	59	53	46	43	42	36	64	62	54	49	47	42	66	64	59	53	51	46
	1700	56	51	45	42	39	32	60	55	48	45	43	37	65	63	55	50	48	43	68	65	60	54	52	47
	2000	58	53	49	45	42	35	62	57	51	47	45	38	67	64	56	51	49	44	69	66	60	55	53	48
14	1050	51	44	36	35	34	30	57	52	42	39	39	36	61	60	51	47	45	42	61	63	55	50	49	45
	1400	52	45	39	36	36	31	58	53	43	40	40	37	63	61	52	48	46	43	64	64	56	51	50	46
	1800	54	48	41	38	37	32	59	54	45	43	42	38	64	62	53	49	47	44	66	65	57	52	51	47
	2200	56	51	45	41	39	35	60	55	47	44	44	39	65	63	54	50	49	45	67	66	58	53	52	48
	2600	59	54	48	44	42	37	62	57	50	46	45	41	66	64	55	51	50	46	69	67	59	54	53	49
	3000	61	56	51	47	45	40	64	59	53	49	47	43	68	64	56	52	52	47	70	68	60	55	54	50
16	1400	50	45	38	36	37	32	57	53	44	41	40	37	61	61	51	48	46	42	63	64	55	51	50	46
	1900	52	47	40	38	38	33	58	54	45	42	41	38	64	62	52	49	47	43	65	64	56	52	51	47
	2400	55	50	43	41	40	36	60	55	46	45	44	39	65	63	53	50	48	44	67	65	57	53	52	48
	2900	58	52	45	43	41	38	62	57	48	46	46	41	67	64	54	51	50	46	69	67	58	54	53	49
	3500	61	55	48	45	43	40	64	59	51	48	47	42	68	65	55	52	51	47	70	68	59	55	54	50
	4100	64	58	52	48	45	42	66	61	54	50	49	44	69	66	56	53	52	48	71	69	60	56	55	51
24x16	3000	61	54	49	44	40	35	65	57	52	48	44	38	71	64	58	53	50	44	73	68	63	57	53	48
	4000	66	59	55	48	44	38	69	62	56	51	46	41	74	67	60	55	51	45	76	70	64	58	54	49
	5000	70	63	59	53	48	41	73	65	60	54	51	45	77	69	63	58	53	47	79	72	65	59	56	50
	6000	73	67	63	56	51	44	75	69	63	56	52	47	79	70	64	59	54	48	81	73	66	60	57	51
	7000	76	70	66	59	54	46	78	71	66	58	54	50	81	72	66	60	55	49	83	74	67	61	58	52

Notes:
1. All sound data are measured in accordance with industry standard ARI-880
2. Sound power levels are in decibels, re 10^{-12} watts

Table 16: Discharge Sound Power Data (dB) – EZTA units with integral sound attenuator and EZTE units with integral electric heat – 1/2" Matte Faced Insulation

Inlet Size	Airflow (CFM)	0.5" ΔPs Sound Power Levels, dB Octave Band						1.0" ΔPs Sound Power Levels, dB Octave Band						2.0" ΔPs Sound Power Levels, dB Octave Band						3.0" ΔPs Sound Power Levels, dB Octave Band					
		2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7
5	125	49	46	39	35	26	23	51	49	45	40	31	28	50	49	48	45	38	36	50	49	49	46	41	41
	175	51	50	42	37	28	24	54	54	47	42	33	29	55	55	52	48	39	37	54	55	54	51	43	42
	250	53	52	46	40	31	26	57	57	50	45	36	31	60	60	56	50	40	37	59	61	58	53	44	42
	300	54	54	49	43	34	27	58	59	53	47	37	31	62	62	58	52	42	38	62	63	61	55	45	43
	350	55	55	52	47	38	36	60	61	56	49	40	38	63	63	60	54	44	43	65	65	63	57	47	44
6	200	50	47	41	38	27	23	54	51	47	42	33	28	55	53	54	49	40	36	54	53	55	52	44	41
	250	51	50	43	40	28	24	54	55	48	43	34	29	57	57	55	49	40	37	56	57	57	54	44	42
	300	52	52	45	41	29	25	55	57	50	45	35	30	58	59	56	50	41	37	59	61	59	54	44	42
	350	54	53	48	43	31	26	57	58	51	47	36	31	60	60	57	51	42	38	61	63	60	55	45	42
	400	55	54	49	44	32	26	57	58	52	48	37	31	61	61	57	52	42	38	61	64	61	55	45	43
	500	58	58	54	50	36	33	61	61	58	52	40	37	65	66	61	56	45	41	66	67	64	58	48	44
7	250	49	48	41	39	28	24	53	53	49	44	35	31	54	55	56	51	42	39	54	56	56	55	46	44
	300	50	49	43	40	29	25	54	55	49	44	35	32	56	57	57	51	42	40	57	58	59	56	46	45
	400	52	54	45	42	31	27	54	58	50	46	37	34	59	62	58	52	42	40	59	63	61	57	47	45
	500	53	55	49	46	34	29	56	59	52	48	38	35	60	64	58	53	44	41	62	65	62	58	47	46
	600	55	56	53	49	35	31	58	60	55	52	40	37	63	64	60	55	45	43	64	67	64	59	48	47
	675	57	58	55	52	37	33	60	61	58	54	41	38	64	65	61	56	46	43	66	67	65	60	49	48
8	350	48	46	42	40	32	26	53	50	48	44	37	34	55	56	54	50	42	40	57	57	59	56	48	44
	475	52	50	44	42	33	27	54	53	50	46	38	34	58	57	54	49	42	41	60	61	59	55	45	45
	600	52	53	47	45	35	29	56	55	51	48	40	35	61	60	55	51	44	43	62	64	60	55	46	46
	700	54	54	50	47	36	30	58	57	53	49	41	37	62	62	57	53	45	43	64	65	61	56	48	47
	800	56	55	53	50	38	32	59	59	55	51	42	38	64	63	59	55	46	45	66	66	63	58	50	48
	900	56	56	54	51	39	33	60	60	56	53	43	39	65	64	60	56	48	45	67	67	64	60	50	49
9	450	49	47	43	40	33	29	51	54	48	45	40	37	56	58	55	49	45	44	57	60	60	54	49	48
	525	51	49	44	42	35	31	53	55	50	45	41	38	57	60	56	50	46	45	58	61	61	54	50	49
	600	51	51	45	43	37	32	55	56	51	47	42	39	59	62	57	51	47	46	61	63	62	56	51	50
	700	52	53	47	44	39	33	57	59	52	48	43	40	61	63	59	53	48	47	62	65	63	56	52	51
	900	54	55	51	48	41	36	59	61	54	51	44	42	62	65	61	55	50	49	65	68	65	59	53	53
	1100	57	58	55	53	41	38	60	61	57	54	46	43	65	67	62	58	51	50	67	70	66	60	54	54
10	550	51	49	44	41	36	30	51	52	50	45	42	39	57	56	56	49	47	46	59	62	58	52	51	49
	675	51	50	45	43	37	32	54	55	52	47	44	40	59	57	58	51	49	47	62	62	61	53	51	51
	800	53	52	47	44	39	33	56	58	53	49	45	42	60	59	60	53	49	48	62	62	62	55	52	52
	1000	54	56	50	47	40	36	57	60	54	51	46	44	63	64	63	56	51	50	64	65	65	58	54	54
	1200	56	58	53	50	43	38	59	61	57	53	48	45	65	67	64	58	53	51	67	69	67	61	56	55
	1400	58	60	56	53	45	41	61	63	59	56	49	46	66	68	65	60	55	53	68	71	68	63	58	56
12	800	51	49	44	43	40	35	51	51	50	47	46	43	59	56	58	52	51	49	62	61	57	55	53	54
	1000	53	50	46	44	42	36	55	54	52	49	47	45	60	58	61	54	52	51	63	62	60	57	54	55
	1200	54	52	48	45	42	38	59	58	53	50	48	46	63	61	63	56	54	53	66	63	63	60	56	57
	1400	55	53	51	47	43	39	60	59	55	51	49	47	66	65	65	57	55	53	68	65	65	62	58	57
	1700	57	56	55	54	45	42	62	61	57	56	50	48	69	68	67	60	56	55	71	70	67	64	59	58
	2000	60	59	59	55	48	44	64	63	60	57	52	50	71	69	68	61	57	56	73	72	69	65	61	59
14	1050	53	50	47	45	41	37	57	57	53	50	49	47	60	59	59	55	54	52	63	62	61	58	58	57
	1400	56	52	50	47	44	39	61	59	56	52	51	48	63	62	62	57	56	54	66	63	64	60	59	58
	1800	59	55	54	53	46	42	64	62	58	55	52	49	68	67	64	60	57	55	70	68	67	62	61	59
	2200	61	58	56	53	48	44	65	62	59	56	53	51	70	69	65	61	59	57	72	71	69	64	62	61
	2600	63	61	60	53	50	46	67	64	61	56	54	51	72	70	67	62	60	58	74	74	70	66	63	62
	3000	66	63	63	56	52	49	69	66	64	59	56	53	73	71	68	63	61	59	76	75	72	67	64	63
16	1400	54	51	47	46	44	40	59	58	54	51	53	50	63	63	61	56	56	55	66	65	64	59	58	58
	1900	57	53	50	50	47	43	62	60	56	53	53	51	67	66	64	60	58	56	69	68	68	62	60	60
	2400	60	56	53	52	48	44	64	61	58	55	53	52	70	69	66	61	59	59	72	71	70	64	63	62
	2900	62	59	56	52	50	46	67	63	60	56	54	53	72	70	67	62	60	59	74	74	71	66	64	63
	3500	66	62	60	56	52	49	70	66	62	58	56	54	75	71	68	63	62	60	77	76	72	67	65	64
	4100	69	65	66	58	55	52	72	68	67	60	58	56	77	73	70	64	63	61	79	77	74	68	66	65
24x16	3000	60	59	56	55	51	47	65	64	61	59	56	54	71	70	66	64	62	60	74	73	68	67	65	63
	4000	65	64	61	57	54	51	69	67	64	63	59	56	73	73	68	68	64	62	77	76	71	70	68	66
	5000	70	69	66	62	57	55	73	71	67	65	62	59	76	76	71	70	67	64	80	78	74	73	70	68
	6000	75	75	70	65	60	57	76	75	71	67	64	61	80	79	75	73	69	66	83	80	76	73	71	69
	7000	78	77	74	67	62	60	78	77	73	70	65	63	82	79	76	75	69	68	85	81	77	74	72	71

Notes:
1. All sound data are measured in accordance with industry standard ARI-880
2. Sound power levels are in decibels, re 10^{-12} watts

Table 17: NC Values – EZTA units with integral sound attenuator and EZTE units with integral electric heat – 1/2" Matte Faced Insulation

Inlet Size	Airflow (CFM)	Radiated Noise Criteria (NC) ΔPs (in w.g.) 0.5	1.0	2.0	3.0	Discharge Noise Criteria (NC) ΔPs (in w.g.) 0.5	1.0	2.0	3.0
5	125	---	---	---	---	---	---	---	---
	175	---	---	21	23	---	---	---	---
	250	---	---	25	27	---	---	---	---
	300	---	21	26	30	---	---	20	21
	350	---	24	29	33	---	---	21	23
6	200	---	---	20	22	---	---	---	---
	250	---	---	22	25	---	---	---	---
	300	---	---	24	27	---	---	---	---
	350	---	---	25	30	---	---	---	21
	400	---	---	26	31	---	---	---	22
	500	---	22	27	32	---	---	25	26
7	250	---	---	22	23	---	---	---	---
	300	---	24	24	26	---	---	---	---
	400	---	25	32	31	---	---	20	21
	500	---	26	36	37	---	---	22	24
	600	20	27	37	40	---	---	23	26
	675	21	29	38	41	---	---	24	26
8	350	---	---	24	24	---	---	---	---
	475	---	---	30	30	---	---	---	---
	600	---	20	31	35	---	---	---	21
	700	---	21	32	36	---	---	---	22
	800	---	22	34	37	---	---	20	24
	900	21	24	35	38	---	---	21	25
9	450	---	20	27	34	---	---	---	---
	525	---	21	29	37	---	---	---	---
	600	---	22	30	38	---	---	---	20
	700	---	24	31	39	---	---	20	22
	900	22	25	32	40	---	---	22	26
	1100	24	26	34	41	---	---	25	29
10	550	---	---	26	31	---	---	---	---
	675	---	20	27	32	---	---	---	---
	800	---	21	29	34	---	---	---	---
	1000	---	22	30	35	---	---	21	22
	1200	20	24	31	36	---	---	25	27
	1400	23	26	32	37	---	20	26	30
12	800	---	---	29	32	---	---	---	---
	1000	---	---	30	33	---	---	---	---
	1200	---	20	31	34	---	---	---	20
	1400	---	21	32	35	---	---	22	22
	1700	---	24	34	36	---	---	26	29
	2000	23	26	35	37	---	20	27	31
14	1050	---	20	30	32	---	---	---	---
	1400	---	21	31	35	---	---	---	20
	1800	---	22	32	36	---	---	25	26
	2200	---	24	34	37	---	---	27	30
	2600	22	26	35	38	---	21	29	34
	3000	25	29	35	39	20	24	30	35
16	1400	---	21	31	35	---	---	20	22
	1900	---	22	32	35	---	---	24	26
	2400	---	24	34	36	---	---	27	30
	2900	20	26	35	38	---	20	29	34
	3500	24	29	36	39	---	24	30	36
	4100	27	31	37	40	22	26	32	37
24x16	3000	24	29	36	39	---	21	29	33
	4000	30	34	40	42	21	25	32	36
	5000	35	39	44	46	27	30	36	38
	6000	39	41	46	49	35	35	39	40
	7000	42	45	49	51	37	37	39	41

Table 2: ARI Attenuation Table

	Octave Band 2	3	4	5	6	7	
Radiated	2	1	0	0	0	0	Environmental Effect
All Sizes	16	18	20	26	31	36	Type II Mineral Fiber
	18	**19**	**20**	**26**	**31**	**36**	**Total dB Reduction**
	Octave Band						
	2	**3**	**4**	**5**	**6**	**7**	
Discharge	2	1	0	0	0	0	Environmental Effect
Sizes 5-7	2	4	10	20	20	14	5 ft., Duct Lining (12x12)
(300-700	9	5	2	0	0	0	End Reflection
cfm)	6	10	18	20	21	12	5 ft., 8 in. Flex Duct
	5	6	7	8	9	10	Room Effect
	3	3	3	3	3	3	Sound Power Division
	27	**29**	**40**	**51**	**53**	**39**	**Total dB Reduction**
	Octave Band						
	2	**3**	**4**	**5**	**6**	**7**	
Discharge	2	1	0	0	0	0	Environmental Effect
Sizes	2	3	9	18	17	12	5 ft., Duct Lining (15x15)
8-24x16	9	5	2	0	0	0	End Reflection
(>700 cfm)	6	10	18	20	21	12	5 ft., 8 in. Flex Duct
	5	6	7	8	9	10	Room Effect
	5	5	5	5	5	5	Sound Power Division
	29	**30**	**41**	**51**	**52**	**39**	**Total dB Reduction**

Notes:
1. NC values are calculated based on procedures outlined in ARI standard 885, appendix E as shown in table 2
2. Where no NC value is shown (---), NC values are less than 20