

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						1.0" ΔPs						2.0" ΔPs						3.0" ΔPs											
		Sound Power Levels, dB						Sound Power Levels, dB						Sound Power Levels, dB						Sound Power Levels, dB											
		Octave Band						Octave Band						Octave Band						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	2	3	4	5	6	7
5	125	57	50	40	35	26	23	59	53	46	40	31	28	58	53	49	45	38	36	58	53	50	46	41	41						
	175	59	54	43	37	28	24	62	58	48	42	33	29	63	59	53	48	39	37	62	59	55	51	43	42						
	250	61	56	47	40	31	26	65	61	51	45	36	31	68	64	57	50	40	37	67	65	59	53	44	42						
	300	62	58	50	43	34	27	66	63	54	47	37	31	70	66	59	52	42	38	70	67	62	55	45	43						
	350	63	59	53	47	38	36	68	65	57	49	40	38	71	67	61	54	44	43	73	69	64	57	47	44						
6	200	58	51	42	38	27	23	62	55	48	42	33	28	63	57	55	49	40	36	62	57	56	52	44	41						
	250	59	54	44	40	28	24	62	59	49	43	34	29	65	61	56	49	40	37	64	61	58	54	44	42						
	300	60	56	46	41	29	25	63	61	51	45	35	30	66	63	57	50	41	37	67	65	60	54	44	42						
	350	62	57	49	43	31	26	65	62	52	47	36	31	68	64	58	51	42	38	69	67	61	55	45	42						
	400	63	58	50	44	32	26	65	62	53	48	37	31	69	65	58	52	42	38	69	68	62	55	45	43						
	500	66	62	55	50	36	33	69	65	59	52	40	37	73	70	62	56	45	41	74	71	65	58	48	44						
7	250	57	51	42	39	28	24	61	56	50	44	35	31	62	58	57	51	42	39	62	59	57	55	46	44						
	300	58	52	44	40	29	25	62	58	50	44	35	32	64	60	58	51	42	40	65	61	60	56	46	45						
	400	60	57	46	42	31	27	62	61	51	46	37	34	67	65	59	52	42	40	67	66	62	57	47	45						
	500	61	58	50	46	34	29	64	62	53	48	38	35	68	67	59	53	44	41	70	68	63	58	47	46						
	600	63	59	54	49	35	31	66	63	56	52	40	37	71	67	61	55	45	43	72	70	65	59	48	47						
	675	65	61	56	52	37	33	68	64	59	54	41	38	72	68	62	56	46	43	74	70	66	60	49	48						
8	350	56	49	43	40	32	26	61	53	49	44	37	34	63	59	55	50	42	40	65	60	60	56	48	44						
	475	60	53	45	42	33	27	62	56	51	46	38	34	66	60	55	49	42	41	68	64	60	55	45	45						
	600	60	56	48	45	35	29	64	58	52	48	40	35	69	63	56	51	44	43	70	67	61	55	46	46						
	700	62	57	51	47	36	30	66	60	54	49	41	37	70	65	58	53	45	43	72	68	62	56	48	47						
	800	64	58	54	50	38	32	67	62	56	51	42	38	72	66	60	55	46	45	74	69	64	58	50	48						
	900	64	59	55	51	39	33	68	63	57	53	43	39	73	67	61	56	48	45	75	70	65	60	50	49						
9	450	55	50	44	40	33	29	57	57	49	45	40	37	62	61	56	49	45	44	63	63	61	54	49	48						
	525	57	52	45	42	35	31	59	58	51	45	41	38	63	63	57	50	46	45	64	64	62	54	50	49						
	600	57	54	46	43	37	32	61	59	52	47	42	39	65	65	58	51	47	46	67	66	63	56	51	50						
	700	58	56	48	44	39	33	63	62	53	48	43	40	67	66	60	53	48	47	68	68	64	56	52	51						
	900	60	58	52	48	41	36	65	64	55	51	44	42	68	68	62	55	50	49	71	71	66	59	53	53						
	1100	63	61	56	53	41	38	66	64	58	54	46	43	71	70	63	58	51	50	73	73	67	60	54	54						
10	550	57	52	45	41	36	30	57	55	51	45	42	39	63	59	57	49	47	46	65	65	59	52	51	49						
	675	57	53	46	43	37	32	60	58	53	47	44	40	65	60	59	51	49	47	68	65	62	53	51	51						
	800	59	55	48	44	39	33	62	61	54	49	45	42	66	62	61	53	49	48	68	65	63	55	52	52						
	1000	60	59	51	47	40	36	63	63	55	51	46	44	69	67	64	56	51	50	70	68	66	58	54	54						
	1200	62	61	54	50	43	38	65	64	58	53	48	45	71	70	65	58	53	51	73	72	68	61	56	55						
	1400	64	63	57	53	45	41	67	66	60	56	49	46	72	71	66	60	55	53	74	74	69	63	58	56						
12	800	56	51	45	43	40	35	56	53	51	47	46	43	64	58	59	52	51	49	67	63	58	55	53	54						
	1000	58	52	47	44	42	36	60	56	53	49	47	45	65	60	62	54	52	51	68	64	61	57	54	55						
	1200	59	54	49	45	42	38	64	60	54	50	48	46	68	63	64	56	54	53	71	65	64	60	56	57						
	1400	60	55	52	47	43	39	65	61	56	51	49	47	71	67	66	57	55	53	73	67	66	62	58	57						
	1700	62	58	56	54	45	42	67	63	58	56	50	48	74	70	68	60	56	55	76	72	68	64	59	58						
	2000	65	61	60	55	48	44	69	65	61	57	52	50	76	71	69	61	57	56	78	74	70	65	61	59						
14	1050	57	51	47	45	41	37	61	58	53	50	49	47	64	60	59	55	54	52	67	63	61	58	58	57						
	1400	60	53	50	47	44	39	65	60	56	52	51	48	67	63	62	57	56	54	70	64	64	60	59	58						
	1800	63	56	54	53	46	42	68	63	58	55	52	49	72	68	64	60	57	55	74	69	67	62	61	59						
	2200	65	59	56	53	48	44	69	63	59	56	53	51	74	70	65	61	59	57	76	72	69	64	62	61						
	2600	67	62	60	53	50	46	71	65	61	56	54	51	76	71	67	62	60	58	78	75	70	66	63	62						
	3000	70	64	63	56	52	49	73	67	64	59	56	53	77	72	68	63	61	59	80	76	72	67	64	63						
16	1400	57	52	47	46	44	40	62	59	54	51	53	50	66	64	61	56	56	55	69	66	64	59	58	58						
	1900	60	54	50	50	47	43	65	61	56	53	53	51	70	67	64	60	58	56	72	69	68	62	60	60						
	2400	63	57	53	52	48	44	67	62	58	55	53	52	73	70	66	61	59	59	75	72	70	64	63	62						
	2900	65	60	56	52	50	46	70	64	60	56	54	53	75	71	67	62	60	59	77	75	71	66	64	63						
	3500	69	63	60	56	52	49	73	67	62	58	56	54	78	72	68	63	62	60	80	77	72	67	65	64						
	4100	72	66	66	58	55	52	75	69	67	60	58	56	80	74	70	64	63	61	82	78	74	68	66	65						
24x16	3000	62	60	56	55	51	47	67	65	61	59	56	54	73	71	66	64	62	60	76	74	68	67	65	63						
	4000	67	65	61	57	54	51	71	68	64	63	59	56	75	74	68	68	64	62	79	77	71	70	68	66						
	5000	72	70	66	62	57	55	75	72	67	65	62	59	78	77	71	70	67	64	82	79	74	73	70	68						
	6000	77	76	70	65	60	57	78	76	71	67	64	61	82	80	75	73	69	66	85	81	76	73	71	69						
	7000	80	78	74	67	62	60	80	78	73	70	65	63	84	80	76	75	69	68	87	82	77	74	72	71						

Notes:
 1. All sound data are measured in accordance with industry standard AHRI-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)				Discharge Noise Criteria (NC)			
		ΔPs (in w.g.)				ΔPs (in w.g.)			
		0.5	1.0	2.0	3.0	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: AHRI Attenuation Table

	Octave Band							
	2	3	4	5	6	7		
Radiated	2	1	0	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	0	Environmental Effect
Sizes 5-7	2	4	10	20	20	14		5 ft., Duct Lining (12x12)
(300-700 cfm)	9	5	2	0	0	0		End Reflection
	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	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 AHRI standard 885, appendix E as shown in table 2
2. Where no NC value is shown (---), NC values are less than 20