

TABLE 61: NC VALUES

Size	High Range		Discharge NC @ Ps				Radiated NC @ Ps				CFM	Size
	CFM	Min. Δ Ps	Min. Δ Ps	.5"	1.5"	3.0"	Min. Δ Ps	.5"	1.5"	3.0"		
6	200	0.01	<20	<20	<20	22	<20	<20	<20	<20	200	6
	300	0.03	<20	<20	23	26	<20	<20	<20	<20	300	
	400	0.06	<20	<20	26	32	<20	<20	<20	20	400	
	500	0.09	<20	<20	29	33	<20	<20	<20	22	500	
	600	0.13	<20	<20	31	34	<20	<20	20	25	600	
7	400	0.03	<20	<20	24	29	<20	<20	<20	<20	400	7
	500	0.05	<20	<20	26	32	<20	<20	<20	21	500	
	600	0.07	<20	<20	29	34	<20	<20	<20	22	600	
	700	0.10	<20	<20	30	37	<20	<20	20	25	700	
8	500	0.03	<20	<20	24	29	<20	<20	<20	<20	500	8
	600	0.04	<20	<20	26	32	<20	<20	<20	21	600	
	800	0.07	<20	<20	29	37	<20	<20	20	25	800	
	1000	0.11	<20	20	30	38	<20	<20	24	28	1000	
10	800	0.03	<20	<20	27	32	<20	<20	<20	22	800	10
	1000	0.05	<20	<20	30	36	<20	<20	20	25	1000	
	1200	0.06	<20	<20	31	39	<20	<20	22	27	1200	
	1400	0.09	<20	20	32	40	20	21	26	29	1400	
	1600	0.12	<20	23	33	42	25	25	28	31	1600	
12	1200	0.03	<20	<20	29	34	<20	<20	20	25	1200	12
	1500	0.05	<20	<20	31	39	<20	<20	22	27	1500	
	1800	0.07	<20	20	33	40	<20	20	28	30	1800	
	2100	0.10	<20	23	34	42	22	24	29	32	2100	
	2400	0.13	<20	25	36	44	28	28	31	34	2400	
14	1600	0.03	<20	<20	31	37	<20	<20	21	26	1600	14
	2000	0.05	<20	<20	33	40	<20	<20	24	28	2000	
	2400	0.07	<20	<20	34	44	<20	21	27	31	2400	
	2800	0.10	<20	23	34	45	25	26	30	33	2800	
	3200	0.12	<20	25	36	46	30	31	33	36	3200	
16	2000	0.03	<20	<20	32	39	<20	<20	22	28	2000	16
	2500	0.04	<20	<20	34	43	<20	20	26	30	2500	
	3000	0.06	<20	20	36	47	21	25	28	32	3000	
	3500	0.08	<20	24	36	47	27	28	31	34	3500	
	4000	0.11	<20	26	37	48	31	32	33	37	4000	

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Table 2: RI Standard 885, Appendix E

	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	
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	
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

TABLE 62: DISCHARGE SOUND POWER LEVELS

SIZE	Air Flow Characteristics			Min ΔPs							0.5" ΔPs							1.5" ΔPs							3.0" ΔPs							CFM	SIZE				
	CFM	Minimum Operating		ΔPt	Sound Power Levels, dB Octave Band							ΔPt	Sound Power Levels, dB Octave Band							ΔPt	Sound Power Levels, dB Octave Band							ΔPt	Sound Power Levels, dB Octave Band								
		ΔPs	ΔPt		2	3	4	5	6	7	2		3	4	5	6	7	2	3		4	5	6	7	2	3	4		5	6	7						
6	200	0.01	0.07	0.07	52	43	<20	<20	<20	0.56	54	51	46	43	42	37	1.56	59	59	57	53	53	51	3.06	60	61	60	58	59	58	200	6					
	300	0.03	0.18	0.18	52	44	38	32	31	27	0.65	57	54	49	45	44	41	1.65	64	64	61	58	58	55	3.15	66	67	66	63	63	62		300				
	400	0.06	0.32	0.32	53	47	45	40	39	35	0.76	59	57	53	50	49	45	1.76	67	67	64	61	61	58	3.26	70	72	70	66	66	64		400				
	500	0.09	0.50	0.50	54	50	49	45	45	41	0.91	60	59	57	53	53	49	1.91	69	69	66	63	63	60	3.41	72	73	72	68	68	66		500				
	600	0.13	0.71	0.71	55	53	53	50	50	46	1.08	61	61	60	56	56	53	2.08	71	71	68	65	65	62	3.58	74	74	74	70	70	68		600				
7	400	0.03	0.17	0.17	52	44	39	33	32	28	0.64	58	55	50	47	45	42	1.64	66	65	62	59	58	55	3.14	68	69	67	63	64	62	400	7				
	500	0.05	0.27	0.27	53	47	45	39	38	34	0.72	59	53	54	50	49	45	1.72	68	67	64	61	60	58	3.22	71	72	70	66	66	64	500					
	600	0.07	0.38	0.38	53	49	48	44	43	38	0.81	60	59	55	52	51	47	1.81	70	69	66	63	62	60	3.31	74	74	72	68	68	66	600					
	700	0.10	0.53	0.53	54	52	51	48	48	43	0.93	61	61	59	56	55	51	1.93	71	70	67	64	64	61	3.43	75	76	73	70	70	68	700					
8	500	0.03	0.16	0.16	51	44	39	33	32	27	0.63	59	55	51	47	46	43	1.63	68	66	63	59	59	56	3.13	71	70	69	64	66	63	500	8				
	600	0.04	0.22	0.22	52	46	44	38	37	32	0.68	60	57	53	50	49	45	1.68	70	68	65	61	61	58	3.18	74	73	71	66	67	65	600					
	800	0.07	0.40	0.40	54	51	51	47	45	40	0.83	61	60	57	56	53	49	1.83	72	70	67	64	63	60	3.33	77	77	74	69	70	67	800					
	1000	0.11	0.62	0.62	55	54	55	53	52	47	1.01	61	63	61	59	57	54	2.01	73	71	69	66	66	62	3.51	78	78	76	72	72	69	1000					
10	800	0.03	0.16	0.16	52	45	42	37	34	29	0.63	61	57	53	50	49	45	1.63	72	69	65	62	61	58	3.13	75	73	72	66	68	65	800	10				
	1000	0.05	0.26	0.26	52	48	48	43	40	34	0.71	61	58	56	53	52	47	1.71	74	71	67	64	63	60	3.21	78	76	74	69	70	67	1000					
	1200	0.06	0.36	0.36	53	51	53	48	46	39	0.80	62	60	58	56	54	49	1.80	75	72	68	66	65	62	3.30	81	79	76	71	71	69	1200					
	1400	0.09	0.50	0.50	55	54	56	52	50	44	0.91	62	63	61	59	57	52	1.91	75	73	70	67	67	63	3.41	81	80	77	72	72	70	1400					
	1600	0.12	0.64	0.64	57	57	58	56	54	49	1.02	63	65	64	61	59	55	2.02	76	74	71	68	68	64	3.52	82	81	78	73	74	71	1600					
12	1200	0.03	0.18	0.18	51	45	43	38	35	29	0.65	62	58	55	53	52	48	1.65	75	70	67	63	63	60	3.15	78	75	73	68	70	66	1200	12				
	1500	0.05	0.28	0.28	52	50	50	46	43	36	0.73	62	61	58	56	55	50	1.73	76	72	68	66	65	62	3.23	82	79	76	71	72	68	1500					
	1800	0.07	0.40	0.40	55	53	54	51	48	41	0.83	63	63	62	59	58	53	1.83	77	74	70	68	67	63	3.33	83	80	77	72	73	69	1800					
	2100	0.10	0.55	0.55	57	56	58	56	53	46	0.95	64	65	65	62	60	56	1.95	78	75	71	69	69	64	3.45	84	81	78	73	74	70	2100					
	2400	0.13	0.71	0.71	59	59	62	60	57	51	1.08	65	67	68	65	62	58	2.08	79	76	72	70	70	65	3.58	85	83	79	74	75	71	2400					
14	1600	0.03	0.17	0.17	51	46	45	39	36	30	0.64	63	59	56	55	54	50	1.64	77	72	68	65	64	61	3.14	81	77	75	69	71	68	1600	14				
	2000	0.05	0.27	0.27	53	50	51	46	43	36	0.72	63	61	59	58	56	51	1.72	78	74	69	67	66	62	3.22	84	80	77	71	72	69	2000					
	2400	0.07	0.38	0.38	54	54	56	52	49	41	0.81	64	62	61	60	58	52	1.81	79	75	70	68	68	63	3.31	87	83	79	74	74	71	2400					
	2800	0.10	0.53	0.53	57	57	60	57	54	46	0.93	64	65	64	63	60	55	1.93	79	75	71	69	69	64	3.43	87	84	80	74	75	71	2800					
	3200	0.12	0.68	0.68	59	59	63	61	58	51	1.06	65	67	67	66	62	58	2.06	80	76	73	70	70	65	3.56	88	85	81	75	76	72	3200					
16	2000	0.03	0.16	0.16	51	45	45	40	36	30	0.63	64	60	58	57	56	51	1.63	79	73	69	66	65	62	3.13	84	79	77	71	73	69	2000	16				
	2500	0.04	0.24	0.24	52	50	51	47	43	36	0.70	64	62	60	59	58	52	1.70	79	75	70	68	67	63	3.20	87	82	79	73	75	70	2500					
	3000	0.06	0.35	0.35	53	54	57	53	49	41	0.79	64	63	62	61	59	53	1.79	80	76	71	69	69	64	3.29	90	84	81	75	76	72	3000					
	3500	0.08	0.47	0.47	57	57	61	58	54	46	0.89	65	66	66	64	61	56	1.89	80	76	73	70	70	65	3.39	90	85	81	75	77	72	3500					
	4000	0.11	0.62	0.62	60	60	65	63	59	51	1.01	65	68	69	67	63	59	2.01	81	77	74	71	71	66	3.51	91	86	82	76	78	73	4000					

Notes:

1. All sound data is measured in accordance with industry Standard ARI - 880.
2. Sound power levels are in decibels, re 10⁻¹² watts

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TABLE 63: RADIATED SOUND POWER LEVELS

SIZE	Air Flow Characteristics			Min ΔPs							0.5" ΔPs							1.5" ΔPs							3.0" ΔPs							CFM	SIZE				
	CFM	Minimum Operating		ΔPt	Sound Power Levels, dB Octave Band							ΔPt	Sound Power Levels, dB Octave Band							ΔPt	Sound Power Levels, dB Octave Band							ΔPt	Sound Power Levels, dB Octave Band								
		ΔPs	ΔPt		2	3	4	5	6	7	2		3	4	5	6	7	2	3		4	5	6	7	2	3	4		5	6	7						
6	200	0.01	0.07	0.07	<20	<20	<20	<20	<20	<20	0.56	<20	<20	<20	<20	<20	1.56	<20	<20	<20	33	33	31	3.06	50	<20	37	41	43	43	200	6					
	300	0.03	0.18	0.18	<20	<20	<20	<20	<20	<20	0.65	<20	<20	<20	35	35	31	1.65	50	43	39	39	41	40	3.15	51	48	42	42	44	44		300				
	400	0.06	0.32	0.32	<20	<20	<20	<20	<20	<20	0.76	50	<20	36	35	35	32	1.76	52	44	41	40	42	41	3.26	54	51	46	46	47	47		400				
	500	0.09	0.50	0.50	<20	<20	<20	34	33	29	0.91	50	<20	39	37	36	33	1.91	53	47	43	42	43	42	3.41	55	52	48	47	48	48		500				
	600	0.13	0.71	0.71	<20	<20	38	38	37	33	1.08	50	<20	42	40	38	35	2.08	54	50	46	44	44	44	3.58	56	54	50	49	49	49		600				
7	400	0.03	0.17	0.17	<20	<20	<20	<20	<20	0.64	<20	<20	<20	36	36	32	1.64	51	44	41	40	42	41	3.14	52	49	44	43	45	45	400	7					
	500	0.05	0.27	0.27	<20	<20	<20	29	27	0.72	50	<20	38	37	36	33	1.72	53	46	43	42	43	42	3.22	55	51	47	46	47	47	500						
	600	0.07	0.38	0.38	<20	<20	37	33	32	29	0.81	50	43	40	38	37	34	1.81	54	48	45	43	44	43	3.31	56	53	48	48	48	48		600				
	700	0.10	0.53	0.53	50	<20	39	36	35	32	0.93	51	43	42	40	38	36	1.93	55	49	46	45	45	44	3.43	57	54	50	50	49	49		700				
8	500	0.03	0.16	0.16	<20	<20	<20	<20	<20	0.63	50	<20	37	37	36	32	1.63	51	45	42	41	42	41	3.13	53	50	45	45	46	45	500	8					
	600	0.04	0.22	0.22	<20	<20	<20	32	29	0.68	50	<20	38	38	37	33	1.68	52	46	43	42	43	42	3.18	54	51	47	46	47	46	600						
	800	0.07	0.40	0.40	<20	<20	39	35	33	30	0.83	51	43	42	40	39	35	1.83	53	49	46	44	44	43	3.33	57	54	50	49	49	48		800				
	1000	0.11	0.62	0.62	50	43	43	39	37	33	1.01	52	45	45	42	40	37	2.01	55	52	49	46	46	45	3.51	58	56	53	51	51	50		1000				
10	800	0.03	0.16	0.16	50	<20	<20	<20	<20	0.63	50	<20	39	38	37	34	1.63	52	46	44	43	43	42	3.13	54	51	48	47	47	47	800	10					
	1000	0.05	0.26	0.26	50	43	39	34	30	28	0.71	51	44	41	40	38	35	1.71	54	48	46	45	45	44	3.21	56	54	50	49	49	49		1000				
	1200	0.06	0.36	0.36	51	45	43	37	34	31	0.80	52	46	44	42	40	37	1.80	55	50	48	47	47	45	3.30	58	56	52	51	51	50		1200				
	1400	0.09	0.50	0.50	51	46	46	41	37	34	0.91	52	47	47	44	41	39	1.91	56	52	51	48	48	46	3.41	60	58	54	52	52	51		1400				
	1600	0.12	0.64	0.64	52	47	50	44	41	37	1.02	53	49	50	46	43	41	2.02	57	55	53	50	49	47	3.52	62	59	56	54	54	52		1600				
12	1200	0.03	0.18	0.18	50	<20	<20	<20	<20	0.65	50	43	40	40	38	35	1.65	53	48	46	45	44	43	3.15	55	53	50	48	48	48	1200	12					
	1500	0.05	0.28	0.28	50	43	41	39	32	30	0.73	51	45	43	42	39	36	1.73	55	50	48	47	46	45	3.23	58	56	52	51	50	50		1500				
	1800	0.07	0.40	0.40	51	45	44	41	34	32	0.83	52	47	46	44	41	38	1.83	56	54	53	50	48	47	3.33	60	58	55	53	52	52		1800				
	2100	0.10	0.55	0.55	52	47	48	42	39	35	0.95	53	49	49	46	43	40	1.95	57	55	54	51	50	48	3.45	62	59	57	54	53	53		2100				
	2400	0.13	0.71	0.71	53	50	53	46	43	39	1.08	54	52	53	48	45	43	2.08	58	56	56	52	51	49	3.58	64	60	59	56	55	54		2400				
14	1600	0.03	0.17	0.17	50	<20	<20	<20	<20	0.64	51	43	42	41	38	35	1.64	53	49	47	46	44	43	3.14	56	54	51	50	49	48	1600	14					
	2000	0.05	0.27	0.27	51	44	42	37	33	28	0.72	52	45	44	42	41	36	1.72	54	51	49	48	46	45	3.22	59	57	53	52	51	50		2000				
	2400	0.07	0.38	0.38	51	47	45	39	34	31	0.81	53	48	47	45	43	39	1.81	56	54	52	50	48	47	3.31	61	59	56	54	53	52		2400				
	2800	0.10	0.53	0.53	52	50	50	43	39	36	0.93	54	51	51	47	44	41	1.93	57	56	55	51	50	48	3.43	63	60	58	55	55	54		2800				
	3200	0.12	0.68	0.68	53	52	55	47	44	40	1.06	55	54	56	49	46	44	2.06	58	58	58	53	52	50	3.56	65	62	60	57	57	55		3200				
16	2000	0.03	0.16	0.16	50	<20	36	<20	<20	0.63	51	44	43	42	39	36	1.63	53	49	48	46	44	43	3.13	57	55	53	51	50	49	2000	16					
	2500	0.04	0.24	0.24	50	43	41	40	36	33	0.70	52	46	46	44	40	37	1.70	55	52	51	49	47	46	3.20	59	57	55	53	52	51		2500				
	3000	0.06	0.35	0.35	51	46	47	42	38	35	0.79	53	49	50	46	43	40	1.79	56	55	53	51	49	47	3.29	62	59	57	55	54	52		3000				
	3500	0.08	0.47	0.47	52	51	52	44	40	36	0.89	54	52	53	48	45	42	1.89	58	57	56	53	51	49	3.39	64	60	59	57	56	54		3500				
	4000	0.11	0.62	0.62	54	55	56	49	45	41	1.01	56	56	57	51	48	46	2.01	59	59	58	55	53	51	3.51	66	63	61	58	57	55		4000				

Notes:
 1. All sound data is measured in accordance with industry Standard ARI - 880.
 2. Sound power levels are in decibels, re 10⁻¹² watts

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TABLE 64: NC VALUES - "S" RANGE (ORIFICE RING)

Size	Std. Range		Discharge NC @ Ps				Radiated NC @ Ps				CFM	Size
	CFM	Min. Δ Ps	Min. Δ Ps	.5"	1.5"	3.0"	Min. Δ Ps	.5"	1.5"	3.0"		
6S	150	0.06	<20	<20	<20	23	<20	<20	<20	<20	150	6S
	200	0.11	<20	<20	20	25	<20	<20	<20	<20	200	
	250	0.17	<20	<20	20	26	<20	<20	<20	<20	250	
	300	0.25	<20	<20	21	29	<20	<20	<20	20	300	
7S	200	0.06	<20	<20	<20	25	<20	<20	<20	<20	200	7S
	300	0.13	<20	<20	21	27	<20	<20	<20	<20	300	
	350	0.18	<20	<20	23	29	<20	<20	<20	<20	350	
	400	0.24	<20	<20	24	30	<20	<20	<20	21	400	
8S	300	0.08	<20	<20	20	26	<20	<20	<20	<20	300	8S
	400	0.14	<20	<20	21	28	<20	<20	<20	<20	400	
	500	0.22	<20	<20	23	30	<20	<20	<20	21	500	
	600	0.31	<20	<20	24	31	<20	<20	<20	24	600	
10S	600	0.13	<20	<20	22	29	<20	<20	<20	20	600	10S
	700	0.18	<20	<20	23	30	<20	<20	<20	22	700	
	800	0.23	<20	<20	25	32	<20	<20	20	24	800	
	1000	0.36	<20	<20	27	34	<20	<20	20	25	1000	
12S	800	0.11	<20	<20	23	29	<20	<20	<20	21	800	12S
	1000	0.17	<20	<20	24	32	<20	<20	<20	24	1000	
	1200	0.25	<20	<20	26	34	<20	<20	21	26	1200	
	1400	0.34	<20	<20	29	36	<20	<20	22	27	1400	
14S	1000	0.09	<20	<20	24	30	<20	<20	<20	22	1000	14S
	1200	0.13	<20	<20	25	31	<20	<20	<20	24	1200	
	1400	0.18	<20	<20	26	33	<20	<20	21	26	1400	
	1600	0.24	<20	<20	27	36	<20	<20	24	27	1600	
	1800	0.30	<20	<20	29	37	21	22	24	28	1800	
16S	1400	0.11	<20	<20	26	31	<20	<20	20	25	1400	16S
	1700	0.16	<20	<20	26	33	<20	<20	21	26	1700	
	2000	0.22	<20	<20	27	36	<20	20	25	28	2000	
	2400	0.34	<20	20	31	38	25	25	26	29	2400	

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Table 2: ARI Standard 885, Appendix E

	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
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 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
Discharge	2	1	0	0	0	0	Environmental Effect
Sizes 8-24x16	2	3	9	18	17	12	5 ft., Duct Lining (15x15)
(>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
	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

E

TABLE 65: DISCHARGE SOUND POWER LEVELS - "S" RANGE (ORIFICE RING)

SIZE	Air Flow Characteristics			Min ΔPs							0.5" ΔPs							1.5" ΔPs							3.0" ΔPs							CFM	SIZE				
	CFM	Minimum Operating		ΔPt	Sound Power Levels, dB Octave Band							ΔPt	Sound Power Levels, dB Octave Band							ΔPt	Sound Power Levels, dB Octave Band							ΔPt	Sound Power Levels, dB Octave Band								
		ΔPs	ΔPt		2	3	4	5	6	7	2		3	4	5	6	7	2	3		4	5	6	7	2	3	4		5	6	7						
6S	150	0.06	0.10	0.10	49	43	38	32	<20	<20	0.54	52	53	53	52	48	41	1.54	61	61	61	56	55	53	3.04	63	64	64	60	60	59	150	6S				
	200	0.11	0.17	0.17	50	44	40	35	31	<20	0.56	52	53	53	53	49	43	1.56	61	62	62	59	57	54	3.06	64	66	66	63	62	61	200					
	250	0.17	0.27	0.27	51	46	44	41	39	33	0.60	52	53	53	54	51	45	1.60	62	62	63	62	59	55	3.10	67	67	68	66	64	62	250					
	300	0.25	0.40	0.40	51	48	48	46	46	40	0.65	53	53	54	55	52	47	1.65	63	63	65	64	61	57	3.15	69	69	71	69	67	63	300					
7S	200	0.06	0.10	0.10	49	41	37	<20	<20	<20	0.54	54	54	55	54	51	46	1.54	61	61	60	58	56	52	3.04	64	66	66	62	61	60	200	7S				
	300	0.13	0.21	0.21	50	45	43	39	37	32	0.58	54	54	55	55	52	47	1.58	63	63	62	60	58	56	3.08	68	68	67	66	65	62	300					
	350	0.08	0.29	0.29	50	47	46	43	41	37	0.61	55	54	56	55	52	47	1.61	64	64	64	62	60	57	3.11	69	69	68	67	66	63	350					
	400	0.24	0.38	0.38	51	50	50	46	46	42	0.64	55	54	56	55	53	48	1.64	65	65	65	63	61	58	3.14	70	70	70	68	67	64	400					
8S	300	0.08	0.12	0.12	50	43	41	35	33	27	0.54	54	54	53	53	49	43	1.54	64	63	61	59	58	55	3.04	67	67	67	64	64	62	300	8S				
	400	0.14	0.22	0.22	51	46	47	41	38	33	0.58	55	55	56	54	51	45	1.58	65	64	63	61	60	57	3.08	70	69	69	67	66	64	400					
	500	0.22	0.34	0.34	51	50	52	49	48	41	0.62	55	55	57	55	53	47	1.62	66	65	65	64	62	58	3.12	72	71	71	69	68	65	500					
	600	0.31	0.49	0.49	53	53	56	51	53	48	0.68	56	56	58	56	54	49	1.68	68	66	68	66	64	60	3.18	74	72	73	70	70	66	600					
10S	600	0.13	0.20	0.20	51	46	46	41	39	32	0.57	56	55	54	54	51	45	1.57	67	64	63	61	60	58	3.07	71	70	69	66	66	64	600	10S				
	700	0.18	0.28	0.28	51	48	50	45	44	37	0.60	56	55	56	54	52	46	1.60	68	65	65	63	61	58	3.10	73	71	70	67	67	65	700					
	800	0.23	0.36	0.36	51	51	54	50	50	43	0.63	57	56	58	55	53	48	1.63	69	67	66	65	62	59	3.13	75	73	72	69	69	66	800					
	1000	0.36	0.57	0.57	54	55	59	52	55	49	0.71	58	58	61	57	55	50	1.71	70	69	68	66	64	61	3.21	76	75	73	71	71	67	1000					
12S	800	0.11	0.18	0.18	52	45	45	41	38	30	0.57	57	55	54	54	52	46	1.57	69	65	63	61	61	59	3.07	72	70	69	67	67	65	800	12S				
	1000	0.17	0.28	0.28	52	49	50	46	45	37	0.61	57	56	56	55	53	47	1.61	70	66	64	63	62	59	3.11	75	73	71	68	68	66	1000					
	1200	0.25	0.40	0.40	52	53	56	52	54	44	0.65	58	58	59	56	54	49	1.65	71	68	66	65	63	60	3.15	77	75	73	70	70	67	1200					
	1400	0.34	0.54	0.54	56	57	61	53	56	50	0.70	59	59	63	58	56	51	1.70	72	70	69	67	65	61	3.20	79	76	74	71	72	68	1400					
14S	1000	0.09	0.15	0.15	53	44	46	42	39	31	0.56	58	55	53	53	52	46	1.56	70	65	63	61	61	60	3.06	73	70	69	67	67	66	1000	14S				
	1200	0.13	0.21	0.21	53	47	50	46	44	36	0.58	58	56	55	54	53	47	1.58	71	67	64	63	62	60	3.08	75	72	71	68	69	67	1200					
	1400	0.18	0.29	0.29	53	50	54	49	48	40	0.61	59	58	58	55	54	48	1.61	72	68	65	65	63	61	3.11	77	74	72	69	70	67	1400					
	1600	0.24	0.38	0.38	53	54	58	53	53	45	0.64	59	59	60	56	54	49	1.64	73	69	66	66	64	61	3.14	79	76	73	70	71	68	1600					
16S	1800	0.30	0.48	0.48	56	56	62	53	56	49	0.68	60	61	64	58	56	51	1.68	74	70	68	67	66	62	3.18	80	77	74	71	72	69	1800	16S				
	1400	0.11	0.17	0.17	54	45	47	44	40	32	0.56	59	56	54	54	53	48	1.56	72	67	64	62	63	62	3.06	76	72	71	69	70	67	1400					
	1700	0.16	0.25	0.25	54	49	53	48	46	38	0.59	60	58	57	55	54	49	1.59	73	68	65	64	64	62	3.09	78	74	72	70	71	68	1700					
	2000	0.22	0.34	0.34	54	53	58	52	52	44	0.62	61	59	60	56	55	50	1.62	74	69	66	65	65	62	3.12	80	76	73	71	72	69	2000					
2400	0.31	0.49	0.49	57	58	65	54	58	50	0.68	61	63	66	60	58	53	1.68	76	72	69	68	67	63	3.18	82	78	75	72	73	70	2400						

- Notes:
1. All sound data is measured in accordance with industry Standard ARI - 880.
 2. Sound power levels are in decibels, re 10⁻¹² watts

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TABLE 66: RADIATED SOUND POWER LEVELS - "S" RANGE (ORIFICE RING)

SIZE	Air Flow Characteristics			Min ΔPs							0.5" ΔPs							1.5" ΔPs							3.0" ΔPs							CFM	SIZE				
	CFM	Minimum Operating		ΔPt	Sound Power Levels, dB Octave Band							ΔPt	Sound Power Levels, dB Octave Band							ΔPt	Sound Power Levels, dB Octave Band							ΔPt	Sound Power Levels, dB Octave Band								
		ΔPs	ΔPt		2	3	4	5	6	7	2		3	4	5	6	7	2	3		4	5	6	7	2	3	4		5	6	7						
6S	150	0.06	0.10	0.10	<20	<20	<20	<20	<20	<20	0.54	<20	<20	<20	<20	<20	1.54	52	<20	<20	36	36	34	3.04	53	46	38	41	42	41	150	6S					
	200	0.11	0.17	0.17	<20	<20	<20	<20	<20	<20	0.56	50	<20	<20	32	30	<20	1.56	52	<20	36	37	37	35	3.06	54	47	40	42	42	41		200				
	250	0.17	0.27	0.27	50	<20	<20	<20	<20	<20	0.60	51	<20	<20	33	30	<20	1.60	53	45	39	39	39	37	3.10	55	50	43	43	44	43		250				
	300	0.25	0.40	0.40	51	<20	<20	<20	30	<20	0.65	52	<20	36	35	31	<20	1.65	54	47	41	40	40	38	3.15	56	52	46	44	45	44		300				
7S	200	0.06	0.10	0.10	<20	<20	<20	<20	<20	0.54	50	<20	<20	<20	30	<20	1.54	51	<20	36	37	37	35	3.04	52	47	39	42	43	42	200	7S					
	300	0.13	0.21	0.21	50	<20	<20	<20	<20	0.58	50	<20	<20	33	31	<20	1.58	52	44	39	39	39	37	3.08	54	49	42	43	44	43	300						
	350	0.08	0.29	0.29	50	<20	<20	<20	<20	0.61	51	<20	36	34	32	<20	1.61	53	46	40	40	40	38	3.11	55	50	45	44	45	44	350						
	400	0.24	0.38	0.38	51	<20	36	32	30	<20	0.64	52	<20	38	36	32	<20	1.64	54	48	42	41	41	39	3.14	56	52	47	45	46	45		400				
8S	300	0.08	0.12	0.12	50	<20	<20	<20	<20	0.54	51	<20	<20	34	31	<20	1.54	52	43	38	38	38	36	3.04	53	47	41	44	44	42	300	8S					
	400	0.14	0.22	0.22	50	<20	<20	<20	<20	0.58	51	<20	36	35	32	<20	1.58	53	45	41	40	40	37	3.08	55	49	44	45	45	44	400						
	500	0.22	0.34	0.34	50	<20	36	32	30	<20	0.62	51	<20	38	36	32	27	1.62	53	46	43	42	41	38	3.12	57	52	47	46	45	45		500				
	600	0.31	0.49	0.49	51	43	40	34	33	<20	0.68	52	43	41	37	33	31	1.68	54	48	44	43	42	39	3.18	58	54	49	47	48	46		600				
10S	600	0.13	0.20	0.20	50	<20	<20	<20	<20	0.57	51	<20	36	35	33	<20	1.57	53	45	42	42	40	38	3.07	55	50	46	47	47	44	600	10S					
	700	0.18	0.28	0.28	51	<20	36	32	<20	0.60	52	43	38	36	33	<20	1.60	54	47	44	44	42	40	3.10	56	52	48	48	47	46	700						
	800	0.23	0.36	0.36	51	43	41	34	32	<20	0.63	52	44	41	38	34	<20	1.63	54	49	46	45	43	41	3.13	57	54	49	49	48	47		800				
	1000	0.36	0.57	0.57	53	45	43	35	34	<20	0.71	53	45	43	39	36	32	1.71	55	49	46	45	43	41	3.21	58	55	50	49	49	48		1000				
12S	800	0.11	0.18	0.18	50	<20	<20	<20	<20	0.57	51	<20	37	36	34	<20	1.57	53	46	43	43	42	39	3.07	55	50	47	48	48	46	800	12S					
	1000	0.17	0.28	0.28	51	<20	38	32	<20	0.61	52	44	39	37	34	<20	1.61	54	48	45	45	44	41	3.11	56	52	49	49	49	47	1000						
	1200	0.25	0.40	0.40	51	46	43	36	32	<20	0.65	52	46	44	39	35	<20	1.65	55	50	47	46	45	42	3.15	57	54	51	50	50	48		1200				
	1400	0.34	0.54	0.54	52	47	45	37	34	<20	0.70	53	47	45	40	35	33	1.70	55	50	48	46	45	42	3.20	58	55	52	51	50	49		1400				
14S	1000	0.09	0.15	0.15	51	<20	<20	<20	<20	0.56	52	<20	38	37	34	<20	1.56	54	46	44	44	43	40	3.06	55	50	48	50	50	47	1000	14S					
	1200	0.13	0.21	0.21	51	<20	<20	<20	<20	0.58	52	43	39	37	34	<20	1.58	54	47	45	45	43	40	3.08	56	52	49	50	50	48	1200						
	1400	0.18	0.29	0.29	51	43	39	33	<20	0.61	52	44	40	38	35	<20	1.61	54	48	47	47	45	41	3.11	57	53	51	51	50	48	1400						
	1600	0.24	0.38	0.38	51	47	44	37	33	<20	0.64	52	47	44	39	36	<20	1.64	55	50	49	48	46	42	3.14	58	55	52	52	51	49		1600				
16S	1800	0.30	0.48	0.48	52	48	47	38	35	<20	0.68	53	48	48	40	36	33	1.68	55	50	49	48	46	42	3.18	59	56	53	52	51	49	1800	16S				
	1400	0.11	0.17	0.17	51	<20	36	<20	<20	0.56	52	43	39	38	35	31	1.56	54	47	46	45	44	41	3.06	55	51	50	51	51	48	1400						
	1700	0.16	0.25	0.25	51	43	39	32	29	<20	0.59	52	44	40	39	35	31	1.59	54	48	47	47	45	41	3.09	56	52	51	51	51	48	1700					
	2000	0.22	0.34	0.34	52	47	45	36	33	<20	0.62	53	48	46	40	36	33	1.62	54	50	50	48	46	42	3.12	58	54	53	52	51	49	2000					
	2400	0.31	0.49	0.49	52	50	50	39	35	<20	0.68	53	50	50	41	37	34	1.68	55	51	51	49	47	43	3.18	59	56	54	53	52	50	2400					

- Notes:**
 1. All sound data is measured in accordance with industry Standard ARI - 880.
 2. Sound power levels are in decibels, re 10⁻¹² watts

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