

**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: AHRI 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	
	<b>18</b>	<b>19</b>	<b>20</b>	<b>26</b>	<b>31</b>	<b>36</b>	<b>Total dB Reduction</b>	
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	
	<b>27</b>	<b>29</b>	<b>40</b>	<b>51</b>	<b>53</b>	<b>39</b>	<b>Total dB Reduction</b>	
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	
	<b>29</b>	<b>30</b>	<b>41</b>	<b>51</b>	<b>52</b>	<b>39</b>	<b>Total dB Reduction</b>	

**Notes:**

1. NC values are calculated based on procedures outlined in AHRI 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 AHRI - 880.
2. Sound power levels are in decibels, re 10<sup>-12</sup> 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		Sound Power Levels, dB Octave Band							Sound Power Levels, dB Octave Band							Sound Power Levels, dB Octave Band							Sound Power Levels, dB Octave Band								
		ΔPs	ΔPt	ΔPt	2	3	4	5	6	7	ΔPt	2	3	4	5	6	7	ΔPt	2	3	4	5	6	7	ΔPt	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		
	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		
	500	0.05	0.27	0.27	<20	<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		
	600	0.04	0.22	0.22	<20	<20	<20	32	29	27	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		
	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		
	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		
	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		
	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 AHRI - 880.  
 2. Sound power levels are in decibels, re 10<sup>-12</sup> 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: AHRI 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
	<b>18</b>	<b>19</b>	<b>20</b>	<b>26</b>	<b>31</b>	<b>36</b>	<b>Total dB Reduction</b>
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
	<b>27</b>	<b>29</b>	<b>40</b>	<b>51</b>	<b>53</b>	<b>39</b>	<b>Total dB Reduction</b>
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
	<b>29</b>	<b>30</b>	<b>41</b>	<b>51</b>	<b>52</b>	<b>39</b>	<b>Total dB Reduction</b>

**Notes:**

1. NC values are calculated based on procedures outlined in AHRI standard 885, appendix 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 AHRI - 880.
  2. Sound power levels are in decibels, re 10<sup>-12</sup> 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	<20	0.54	50	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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 AHRI - 880.  
 2. Sound power levels are in decibels, re 10<sup>-12</sup> watts

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