

**TABLE 68: 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	

**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 70: 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	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	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	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	<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	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	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 AHRI - 880.
2. Sound power levels are in decibels, re 10<sup>-12</sup> watts