The radiated and discharge sound power levels of each unit at varying air flow rates and inlet static pressures are shown in the performance data tables. Disregarding other factors and/or equipment that could contribute to the noise in the occupied space, these ratings along with the acoustical environment in which the unit operates, will determine the perceived noise level.

Noise generated within the terminal and emitted through the discharge air (discharge sound) will be attenuated by any ductwork downstream of the terminal. The noise emitted through the casing of the terminal (radiated sound) will be attenuated by the room's ceiling. Depending upon the application, either the radiated or discharge noise level will be the relative higher and determine the perceived noise level in the occupied space. The occupied space itself will provide further attenuation depending on the acoustical characteristics of the walls, ceilings, floors and internal furnishings.

All manufacturers must make certain assumptions on the acoustical environment of the application and then apply these assumptions to the unit's sound power ratings to determine the resultant sound pressures and perceived noise level in the occupied space. While the AHRI sound power ratings have been certified and can accurately be compared from one manufacturer to another, the NC values predicted will be dependent upon the acoustical assumptions made.

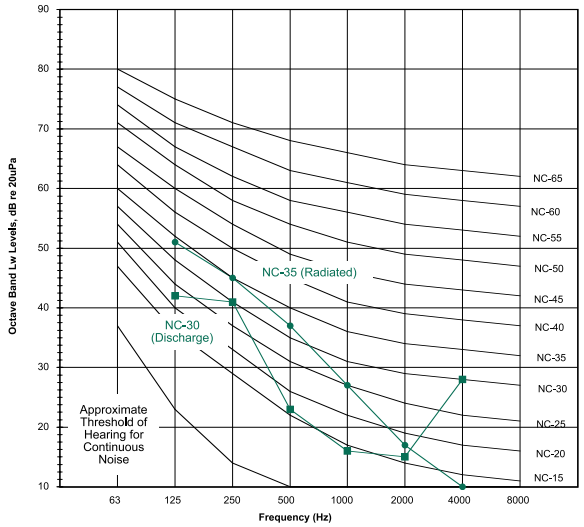
When selecting terminals, check the attenuation assumptions before comparing cataloged NC values. Anemostat uses the AHRI Standard 885, Appendix E attenuation assumptions for determining the anticipated noise levels. The attenuation assumptions in this standard are shown in table 2.

Table 3: Typical NC Design Values

Hotel rooms	25 - 35
Offices and conference rooms	25 - 35
Open offices	30 - 40
Classrooms	35 - 40 (max)
Churches	25 - 35
Hospital wards	30 - 40
Gymnasiums	40 - 45
Libraries	30 - 40

The NC curves are intended to reflect a human's perceived noise comfort. Plotting the anticipated sound pressure by octave band and determining the tangent NC curve reached throughout all octave bands (using the acoustical assumptions) will indicate the NC value anticipated.

Example of NC Curve Plot



NC Curves for Specifying the Design Level in Terms of the Maximum Permissible Sound Pressure Level for Each Frequency Band

	Radiated Lw @ 1800 cfm - 1.0" w.g. Inlet Ps							
	63	125	250	500	1000	2000	4000	8000
Lw Data	-----	69	64	57	53	48	46	-----
Attenuation	-----	18	19	20	26	31	36	-----
Plotted Data	-----	51	45	37	27	17	10	-----
NC	-----	**34**	**35**	**32**	**25**	**17**	-----	-----
	Discharge 1800 cfm @ 0.25" w.g. External Ps							
	63	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000**
Lw Data	-----	71	71	64	67	67	67	-----
Attenuation	-----	29	30	41	51	52	39	-----
Plotted Data	-----	42	41	23	16	15	28	-----
NC	-----	**22**	**30**	**16**	-----	-----	**30**	-----

Notes:
1. Size 7512 QST (see tables 39 and 40)
2. Radiated sound in the 250 Hz (third octave) is the controlling band

Table 2: AHRI 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)
8-16x24	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**

Table 53: NC Values

Casing Size	Inlet Size	Airflow (CFM)	Primary NC Values							
			Radiated				Discharge			
			0.5"ΔPS	1.0"ΔPS	2.0"ΔPS	3.0"ΔPS	0.5"ΔPS	1.0"ΔPS	2.0"ΔPS	3.0"ΔPS
1	6	200	---	---	24	25	---	---	---	---
		250	---	21	25	27	---	---	---	---
		300	---	22	26	29	---	---	---	---
		350	---	22	27	31	---	---	21	22
		400	20	25	29	31	---	---	22	24
		450	21	26	29	32	---	---	24	26
	7	250	---	---	24	26	---	---	---	---
		300	---	21	25	29	---	---	---	---
		400	---	22	27	30	---	---	20	20
		500	20	24	29	31	---	---	21	24
		600	23	26	29	32	---	---	22	25
		675	24	29	31	33	---	20	24	26
	8	350	---	20	27	30	---	---	20	22
		475	---	21	29	33	---	---	24	25
		600	---	22	29	34	---	---	25	27
		700	21	25	30	34	---	20	26	29
		800	25	26	31	34	---	21	25	29
		900	27	29	33	35	---	22	26	30
	9	450	---	21	29	31	---	---	---	20
		525	---	21	29	33	---	---	20	21
		600	---	21	29	34	---	---	21	22
		700	---	22	29	34	---	---	21	24
		900	21	25	31	34	---	---	22	25
		1100	25	27	32	36	---	21	25	27
2	9	450	---	20	27	30	---	---	21	22
		525	---	20	29	33	---	---	22	24
		600	---	21	29	34	---	---	22	25
		700	---	22	30	34	---	---	24	26
		900	20	24	31	34	---	---	25	27
		1100	25	26	32	36	---	20	26	30
	10	550	---	20	29	32	---	---	---	20
		675	---	21	29	33	---	---	21	22
		800	---	21	29	33	---	---	21	24
		1000	---	22	30	34	---	---	22	26
		1200	21	24	30	35	---	---	22	27
		1400	24	27	31	35	---	---	22	27
	12	800	---	21	29	31	---	---	20	20
		1000	---	21	30	33	---	---	21	22
		1200	---	22	30	34	---	---	21	26
		1400	---	24	31	35	---	---	22	27
		1700	21	25	31	37	---	---	24	29
		2000	25	27	32	37	---	20	25	30
3	12	800	---	22	30	30	---	---	22	24
		1000	---	24	31	31	---	---	24	26
		1200	---	24	31	35	---	---	25	27
		1400	---	24	32	36	---	---	25	29
		1700	21	25	34	37	---	---	25	30
		2000	25	27	35	39	---	21	26	31
	14	1050	---	25	31	32	---	20	26	26
		1400	---	26	34	36	---	20	29	31
		1800	20	27	37	39	---	21	30	34
		2200	25	30	38	41	---	22	31	35
		2600	27	31	38	42	---	24	32	36
		3000	31	35	39	44	21	26	35	37
	16	1400	21	30	36	37	---	---	25	27
		1900	22	31	39	41	---	---	29	32
		2400	26	32	40	44	---	20	30	35
		2900	30	34	40	45	---	21	31	36
		3500	32	36	41	46	21	24	31	37
		4100	36	39	42	47	25	29	32	37

Fan Only NC Values				
Casing Size	Fan Assy.	Fan Flow (CFM)	Rad	Dis
1	17	100	25	---
		200	30	---
		250	32	---
		300	33	21
		350	34	24
	25	300	25	---
		400	29	---
		500	33	---
		550	34	22
		600	35	24
2	17	200	24	---
		250	27	---
		300	30	---
		400	34	---
		450	36	22
	25	400	27	---
		500	29	---
		600	30	---
		700	31	---
		900	33	---
	50	600	29	---
		700	31	---
		800	32	---
		1000	34	---
		1200	36	20
3	50	800	32	---
		1000	35	---
		1200	37	---
		1400	39	---
		1600	41	22
	75	1200	36	---
		1400	39	---
		1600	41	---
		1800	43	23
		2000	45	26
	10	1600	41	---
		1800	43	22
		2000	45	25
		2200	46	28
		2400	48	31

Notes:
1. NC values are calculated based on procedures outlined in AHRI standard 885, appendix E as shown on pages B-9 and B-10
2. Where no NC value is shown (---), NC values are less than 20

Table 2: AHRI 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)
8-16x24	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**

Table 55: Radiated & Discharge Fan Only Sound Power Data (dB)

Casing Size	Fan Assy.	Fan Flow (CFM)	Fan Only - Radiated						Fan Only - Discharge					
			2	3	4	5	6	7	2	3	4	5	6	7
1	17	100	59	56	48	41	37	32	60	57	45	42	37	33
		200	63	60	51	44	42	37	65	62	51	49	44	42
		250	64	62	54	45	43	39	67	64	52	50	46	44
		300	65	62	56	46	45	40	70	66	54	52	48	47
		350	66	63	57	47	46	42	72	68	56	53	49	49
	25	300	58	56	48	42	38	31	61	56	48	48	41	38
		400	62	59	51	45	42	37	65	60	51	50	46	46
		500	65	62	53	48	45	42	69	64	55	53	50	52
		550	66	63	54	49	46	43	71	67	57	55	52	54
		600	70	64	55	50	47	44	73	68	59	57	54	56
2	17	200	56	55	51	46	42	35	56	53	49	47	41	36
		250	61	58	54	50	47	41	61	57	51	48	43	41
		300	63	60	56	51	48	42	63	59	53	49	45	44
		400	67	63	58	55	52	47	68	63	55	51	49	48
		450	69	65	59	56	53	49	69	66	56	52	50	49
	25	400	54	58	50	46	42	36	53	53	49	48	41	38
		500	55	59	52	48	46	40	55	54	51	49	44	42
		600	57	60	53	50	48	43	57	55	53	50	46	45
		700	58	61	54	51	49	45	58	56	54	51	47	46
		900	62	62	58	56	54	52	63	60	58	53	52	51
	50	600	61	59	53	51	47	42	61	56	53	49	46	42
		700	62	61	54	52	49	45	62	56	54	50	48	44
		800	64	62	56	54	52	48	64	59	55	51	50	46
		1000	66	63	58	57	56	53	67	61	58	53	54	48
		1200	68	65	61	60	60	57	72	65	61	56	57	50
3	50	800	62	61	57	56	53	51	65	58	55	54	51	44
		1000	64	64	59	57	55	53	66	59	58	55	53	46
		1200	67	66	60	59	58	56	69	62	62	58	57	48
		1400	70	68	61	61	61	59	70	63	63	59	59	50
		1600	71	70	64	63	63	61	73	66	66	62	62	52
	75	1200	64	65	56	55	52	50	65	58	56	54	50	45
		1400	67	68	58	58	56	54	69	61	58	56	53	47
		1600	70	70	60	60	59	57	71	64	61	58	56	50
		1800	72	71	63	63	62	61	74	66	63	61	59	53
		2000	74	73	65	65	65	63	76	70	66	63	61	55
	10	1600	70	70	62	62	61	60	69	62	58	56	55	50
		1800	72	71	63	63	62	61	74	66	61	58	57	52
		2000	74	73	64	64	63	62	75	68	65	61	60	54
		2200	75	74	66	66	65	64	77	70	67	63	63	57
		2400	77	75	68	68	68	67	80	73	69	65	65	60

Notes:
1. All data represents conditions @ 0.25 inches w.g. external static pressure.
2. All sound data is measured in accordance with industry Standard AHRI - 880.
3. Sound power levels are in decibels, re 10^{-12} watts

Table 56: Radiated Primary Sound Power Data (dB) (Fan Off)

Casing Size	Inlet Size	Airflow (CFM)	Min dPs						0.5 dPs						1.0 dPs						2.0 dPs						3.0 dPs					
			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
1	6	200	44	40	32	25	21	22	47	47	38	31	32	30	51	51	43	36	37	36	52	52	50	41	43	42	51	52	51	45	47	48
		250	46	43	34	28	25	24	49	48	39	32	33	31	52	53	44	37	38	37	55	56	51	42	44	44	53	57	53	46	48	49
		300	47	45	36	31	28	26	51	50	40	33	33	32	53	54	46	38	39	39	56	57	51	42	45	45	55	58	54	47	49	50
		350	51	47	40	33	33	32	52	51	42	35	35	34	55	54	48	39	40	41	60	58	52	44	46	47	58	59	56	48	50	51
		400	53	50	43	36	36	36	54	52	45	37	38	37	58	56	49	39	41	42	61	59	53	44	47	48	60	61	56	48	50	52
		450	55	51	45	38	39	38	56	53	46	39	40	39	59	57	50	41	42	43	61	59	54	45	48	49	62	62	57	49	51	52
	7	250	43	40	31	26	19	21	48	45	37	31	31	28	51	50	44	35	37	34	53	51	50	42	43	43	50	50	52	47	47	46
		300	50	42	33	27	21	22	49	47	38	32	32	29	52	53	45	36	38	35	54	55	51	43	44	44	53	54	54	48	48	47
		400	47	43	36	31	27	24	51	50	41	35	35	32	54	54	46	39	40	39	56	58	52	44	46	45	56	58	55	49	49	49
		500	53	48	40	35	33	30	54	52	44	37	37	35	56	55	48	41	42	40	60	59	52	46	47	46	58	60	56	50	50	50
		600	54	49	45	39	38	34	56	54	49	41	40	37	59	57	51	43	44	42	61	59	54	47	48	47	62	61	57	51	51	51
		675	56	51	48	42	40	37	58	55	50	43	42	39	62	59	53	45	45	43	63	60	56	48	49	48	64	62	58	51	53	52
	8	350	43	38	29	25	18	21	49	46	40	34	32	29	53	52	46	38	38	36	53	53	53	44	43	43	53	53	55	50	48	48
		475	47	42	34	28	23	22	51	49	41	35	34	31	55	53	47	39	39	37	57	56	54	45	44	44	56	57	58	50	48	49
		600	50	45	38	32	28	25	55	51	43	36	35	33	57	54	48	40	41	40	58	58	54	46	46	46	59	60	59	51	50	51
		700	53	48	42	36	32	28	57	53	46	38	37	36	59	56	50	42	42	42	61	59	55	47	47	47	61	61	59	51	51	52
		800	56	50	48	40	36	33	59	55	51	41	39	38	62	57	52	43	43	43	63	60	56	48	49	49	64	62	59	52	52	53
		900	59	52	52	42	39	36	61	57	53	44	42	40	64	59	54	45	44	44	65	61	58	49	50	50	66	63	60	53	53	54
	9	450	44	38	29	28	22	22	51	46	39	37	36	28	54	52	47	42	42	34	55	55	54	47	46	42	55	54	56	51	51	47
		525	46	40	31	27	23	22	52	47	40	38	37	29	55	53	47	42	43	35	57	57	54	48	47	43	57	56	58	52	51	47
		600	47	41	32	30	26	22	53	48	41	38	38	30	55	53	47	43	43	36	58	58	54	48	48	43	58	58	59	52	52	48
		700	50	45	35	32	29	22	54	50	42	39	39	30	57	54	48	43	44	37	60	59	54	48	49	43	61	61	59	53	52	49
		900	53	48	40	37	35	25	58	53	45	40	41	32	61	56	49	44	46	39	62	61	55	50	51	45	64	63	59	54	54	50
		1100	58	52	47	42	41	30	62	56	50	45	44	35	63	58	52	46	48	40	66	62	56	51	52	47	67	65	60	55	55	51
2	9	450	45	39	30	26	20	21	48	45	38	35	35	29	52	52	46	41	41	35	52	55	53	48	46	44	52	54	55	53	50	49
		525	46	41	31	27	21	21	49	46	39	36	36	29	52	52	46	41	42	36	54	56	54	48	47	44	54	56	58	54	51	49
		600	49	44	34	31	26	22	49	47	40	37	37	30	53	53	47	42	43	37	56	58	54	49	47	45	56	58	59	54	52	50
		700	50	45	37	35	31	24	52	50	43	40	40	32	54	54	48	44	44	39	58	60	55	50	49	46	59	61	59	54	52	51
		900	57	50	43	39	36	27	55	52	45	41	41	34	56	55	49	45	45	40	59	61	55	50	49	46	60	63	59	55	53	51
		1100	62	55	49	45	41	32	59	56	49	45	44	37	59	57	51	47	47	42	62	62	56	51	51	48	63	65	61	56	54	52
	10	550	43	36	27	25	18	21	48	45	38	34	32	27	52	52	45	40	39	36	54	56	54	47	45	44	54	55	57	53	49	46
		675	44	38	30	27	20	21	50	46	39	35	34	30	54	53	46	41	40	38	57	58	54	48	46	45	55	58	58	53	49	47
		800	47	41	33	30	24	22	51	47	40	37	36	31	55	53	47	42	41	39	58	59	54	48	46	45	58	61	58	53	50	48
		1000	50	46	39	37	33	27	54	51	44	41	41	37	56	54	48	44	44	41	60	60	55	49	47	46	61	63	59	54	51	50
		1200	53	49	43	40	36	30	57	53	46	42	42	38	58	55	49	44	45	42	61	60	55	49	48	47	63	64	59	54	52	51
		1400	60	53	48	44	39	34	58	55	49	44	43	39	61	58	52	47	47	44	63	61	55	50	50	49	65	64	59	55	53	53
	12	800	45	38	28	25	20	20	51	46	40	36	35	29	56	53	46	41	40	35	57	58	54	48	45	42	58	57	56	53	49	47
		1000	48	40	32	28	23	21	52	47	41	37	36	31	57	53	46	42	41	36	59	60	54	49	46	43	61	61	58	54	50	48
		1200	52	44	37	31	27	23	54	48	42	38	37	32	58	54	47	43	42	38	62	60	54	49	47	45	63	63	58	54	51	49
		1400	54	45	40	35	31	25	57	51	44	40	39	34	59	55	48	44	44	40	63	61	55	50	48	45	66	64	59	55	51	49
		1700	57	49	44	41	36	30	61	53	46	42	41	36	61	56	50	45	45	42	65	61	56	51	49	48	68	66	59	56	53	51
		2000	61	53	49	44	41	34	64	56	50	45	43	39	65	58	52	47	47	44	67	62	56	52	51	49	70	66	60	56	54	53
3	12	800	43	39	30	25	20	22	50	46	38	35	33	29	55	54	44	41	39	35	55	60	51	49	47	43	56	59	55	53	50	47
		1000	44	40	33	28	23	22	51	47	39	36	36	31	57	55	45	42	41	37	58	61	52	49	47	44	59	61	56	54	51	48
		1200	47	42	35	30	25	22	53	48	39	37	37	32	58	55	45	42	42	38	60	61	53	49	47	44	61	64	57	54	51	48
		1400	49	45	39	34	29	24	55	50	41	38	38	33	59	55	46	43	43	40	62	62	53	50	47	44	64	65	57	54	51	49
		1700	53	49	43	39	35	29	57	53	45	41	41	36	60	56	47	43	44	41	63	63	54	50	49	47	66	66	58	54	52	50
		2000	57	53	48	43	40	34	61	56	48	44	43	39	63	58	50	46	46	43	66	64	55	50	51	49	68	68	59	56	55	53
	14	1050	44	38	30	26	22	20	54	49	39	36	35	30	58	56	47	42	41	36	58	61	55	49	46	44	58	61	57	53	49	49
		1400	45	41	34	29	24	21	56	50	40	37	36	32	61	57	48	43	42	38	62	63	56	50	48	45	62	65	59	54	50	50
		1800	49	46	39	31	27	23	58	52	43	39	38	34	64	58	48	43	44	41	65	66	56	51	49	48	66	68	61	56	53	52
		2200	55	50	46	38	33	28	62	55	47	42	41	37	65	60	50	45	45	42	68	67	57	51	50	48	70	70	62	57	54	52
		2600	60	54	51	41	36	32	64	58	50	45	43	39	67	61	52	47	46	44	70	67	57	51	51	49	71	71	62	57	54	53
		3000	63	57	56	45	40	36	67	61	54	48	46	42	70	63	55	49	48	46	72	68	58	53	52	51	74	72	62	57	56	54
	16	1400	44	38	29	24	17	20	58	53	46	41	39	32	63	60	53	48	45	39	66	65	61	55	51	46	67	66	62	59	54	50
		1900	47	44	36	28	23	21	60	54	47	42	40	35	65	61	54	49	46	42	69	68	62	56	52	48	71	70	65	61	56	51
		2400	52	50	43	34	27	23	63	56	48	43	41	37	66	62	55	50	47	44	71	69	63	57	54	49	73	72	66	62	58	53
		2900	55	53	49	38	30	26	66	59	51	45	43	39	68	63	55	50	48	45	72	69	63	58	55	51	75	73	67	63	59	54
		3500	60	56	57	43	36	31	68	62	54	48	45	42	71	65	57	52	50	47	74	70	63	58	55	53	76	74	67	63	60	56
		4100	64	58	62	48	40	36	71	65	60	51	48	45	73	68	61	54	51	49	76	71	64	58	56	54	78	75	68	62	60	58

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

Table 57: Discharge Primary Sound Power Data (dB) (Fan Off)

Casing Size	Inlet Size	Airflow (CFM)	Min dPs						0.5 dPs						1.0 dPs						2.0 dPs						3.0 dPs					
			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
1	6	200	48	42	31	26	19	21	56	51	43	36	33	32	57	57	52	40	39	38	58	59	60	48	46	45	58	59	62	52	51	49
		250	50	44	36	30	23	22	57	54	44	37	35	34	59	59	53	42	41	40	60	61	62	49	47	46	59	61	64	54	51	49
		300	52	47	41	35	28	26	59	55	47	40	39	38	61	60	54	44	43	42	62	63	62	49	48	47	62	64	65	54	52	50
		350	54	49	42	36	31	30	62	57	49	42	40	41	63	61	55	44	44	43	64	65	63	50	49	48	64	66	66	55	52	51
		400	56	52	46	40	35	36	62	59	51	44	42	42	66	62	56	46	46	45	67	67	62	51	50	49	66	68	67	55	53	51
		450	59	54	48	42	38	39	64	59	52	45	43	43	68	64	57	48	47	46	60	68	64	52	51	50	70	70	68	56	54	51
	7	250	50	42	33	28	20	21	54	51	44	38	34	33	57	57	53	42	40	39	57	59	61	50	47	46	57	59	63	55	51	50
		300	49	43	38	33	25	22	55	52	45	39	35	34	58	58	54	43	41	40	60	62	62	50	47	46	59	61	65	56	51	50
		400	52	47	40	36	29	26	58	56	48	42	38	37	60	59	54	45	43	42	62	65	63	52	48	47	62	65	66	58	53	51
		500	55	50	44	41	34	34	63	58	51	45	42	42	65	62	56	48	47	45	66	66	63	53	50	49	65	68	67	58	54	52
		600	57	53	49	45	38	38	67	61	55	50	45	45	68	63	58	51	48	47	69	67	63	54	52	51	69	69	68	59	55	53
		675	60	56	51	47	41	40	67	62	56	52	46	46	71	65	60	53	50	49	72	67	64	55	52	51	71	70	68	59	55	54
	8	350	50	42	36	32	23	21	58	54	47	41	39	37	60	62	55	46	45	44	61	65	66	55	51	50	59	65	69	61	57	55
		475	53	47	42	38	32	27	60	56	48	43	41	41	61	63	55	47	46	45	63	68	66	55	52	51	67	69	70	62	57	55
		600	55	50	44	40	34	30	64	60	51	46	44	45	65	64	58	49	48	47	66	69	66	56	53	52	68	71	71	62	57	56
		700	58	53	46	44	37	36	67	61	54	48	46	46	69	65	58	51	50	49	70	70	67	57	54	53	70	72	72	62	57	56
		800	60	55	50	48	41	39	68	62	56	50	47	47	72	67	61	53	51	50	72	70	67	57	55	53	72	73	72	63	58	56
		900	62	58	52	50	44	42	70	64	58	53	49	49	73	68	61	53	52	51	75	71	67	59	56	55	75	74	73	63	58	57
	9	450	49	43	37	31	22	21	60	56	51	42	42	42	59	60	60	47	47	46	61	63	66	55	53	52	61	62	67	63	58	57
		525	51	43	37	32	23	21	61	57	52	43	43	43	62	60	61	48	48	47	63	64	67	56	54	53	63	63	68	63	58	57
		600	53	46	40	35	28	24	61	58	53	44	43	43	64	60	62	49	49	48	64	64	68	57	55	54	65	66	69	64	59	57
		700	56	49	43	38	33	29	62	60	55	45	44	44	65	61	63	50	51	49	67	66	68	59	56	55	68	68	70	64	60	58
		900	60	54	49	45	39	37	67	62	58	49	47	46	70	65	65	52	51	50	71	68	69	59	57	56	71	70	71	65	60	59
		1100	64	58	53	50	44	43	71	64	61	53	49	49	74	67	66	55	53	52	75	70	70	61	58	57	76	72	71	65	61	60
2	9	450	51	44	38	34	26	22	55	53	45	39	41	39	58	60	54	45	47	48	59	65	63	55	54	52	60	66	66	61	58	56
		525	52	45	38	35	28	24	56	54	46	40	43	41	60	61	54	45	47	48	60	66	63	55	54	53	62	67	67	61	58	56
		600	52	47	40	38	32	27	57	56	47	42	44	42	61	61	54	46	49	49	62	67	63	55	54	53	63	68	68	61	58	56
		700	54	50	42	41	35	31	58	57	48	43	45	44	62	62	55	47	50	50	63	67	63	55	54	54	64	69	68	61	58	56
		900	59	54	48	47	43	40	61	59	51	46	48	47	63	64	56	49	52	51	66	69	63	56	56	55	66	72	68	61	59	57
		1100	62	58	52	51	48	46	65	62	54	51	51	50	66	65	57	51	54	52	69	70	63	56	57	56	69	73	68	62	60	58
	10	550	50	42	36	32	23	22	55	52	46	41	42	36	59	58	55	47	48	47	58	64	63	55	53	52	58	63	66	61	58	54
		675	51	44	38	34	27	24	56	54	47	42	44	38	60	59	55	47	49	48	61	65	64	56	54	53	62	65	67	62	58	55
		800	52	46	40	38	32	29	56	55	48	43	45	40	61	61	55	48	50	49	62	66	64	57	55	54	64	68	68	62	59	56
		1000	55	49	44	44	39	37	58	56	49	46	48	43	62	60	55	49	52	50	63	68	64	57	56	55	65	70	68	62	59	57
		1200	58	53	48	49	44	42	62	58	51	48	50	46	64	61	56	51	54	51	65	67	64	58	57	57	67	71	69	63	60	58
		1400	62	57	53	54	48	47	65	61	55	52	53	48	67	63	58	53	56	52	68	67	64	58	58	58	69	71	69	63	61	59
	12	800	49	42	36	31	23	21	55	52	46	43	44	38	60	59	54	49	51	47	62	65	62	57	57	53	63	65	65	62	62	55
		1000	50	44	39	35	30	25	56	53	48	45	47	40	62	59	54	50	53	48	65	66	63	57	58	54	66	67	67	62	62	55
		1200	53	47	43	39	35	31	57	54	48	46	48	42	62	60	54	50	54	49	67	66	62	57	58	54	69	70	67	62	62	55
		1400	56	50	46	42	40	36	58	55	50	46	49	43	64	61	56	51	55	50	69	67	63	58	60	55	70	71	67	63	63	55
		1700	61	55	51	47	45	43	63	59	53	48	51	47	66	62	57	52	57	51	70	68	63	58	61	57	72	72	67	63	64	56
		2000	67	61	58	53	52	50	68	63	59	53	54	50	70	66	61	55	58	52	74	70	64	59	63	58	76	73	68	64	66	57
3	12	800	50	42	39	33	24	22	56	53	47	43	44	38	61	61	55	50	50	49	61	66	63	58	57	53	63	68	67	64	61	58
		1000	53	44	42	34	30	26	58	54	48	45	46	40	63	61	55	50	52	50	64	67	64	58	57	54	65	70	69	64	62	59
		1200	54	47	46	38	36	32	59	56	50	46	48	42	64	62	56	51	53	51	67	68	64	58	58	55	67	71	69	64	62	60
		1400	57	50	50	42	41	38	61	57	52	48	50	45	64	62	57	51	54	52	69	69	65	59	59	55	69	72	69	64	63	61
		1700	60	54	55	47	46	45	62	61	55	50	54	48	65	62	59	53	56	53	70	69	65	59	60	56	71	73	69	65	64	62
		2000	64	58	60	51	51	50	66	62	59	52	56	50	67	65	61	55	59	55	71	69	65	59	61	57	73	73	70	65	65	63
	14	1050	52	41	38	30	21	21	61	56	49	45	48	40	64	64	57	51	56	53	65	69	66	58	60	60	67	70	68	64	63	58
		1400	54	45	44	32	26	24	62	57	51	48	51	44	66	64	59	52	56	54	67	72	67	59	61	60	69	73	71	65	63	61
		1800	58	50	51	37	33	33	65	59	54	49	52	46	69	65	60	53	57	55	71	72	68	60	61	61	71	76	72	65	64	62
		2200	60	52	55	42	38	37	66	61	56	51	53	48	70	66	61	54	58	56	75	73	69	61	63	62	74	76	73	66	65	63
		2600	66	57	60	47	43	42	67	64	59	53	55	50	71	67	62	56	59	57	76	75	69	61	64	63	77	78	73	66	66	65
		3000	67	60	66	50	47	46	70	65	63	56	57	52	72	70	65	58	60	58	77	76	70	62	65	64	78	79	74	67	68	67
	16	1400	50	43	36	31	22	21	58	53	48	45	47	44	64	62	57	51	54	50	67	69	66	60	59	58	70	70	68	65	62	59
		1900	53	46	40	33	27	24	60	55	51	48	50	46	67	63	59	53	56	51	72	72	68	61	61	59	74	74	72	67	65	62
		2400	57	50	45	38	34	31	64	59	54	51	52	48	68	64	60	54	58	52	73	73	69	62	63	60	76	76	73	68	66	64
		2900	62	55	50	42	39	37	68	62	57	54	54	50	70	65	62	57	60	54	75	74	69	63	65	61	78	77	74	68	67	65
		3500	66	59	54	47	45	43	71	65	61	57	56	52	74	68	64	60	61	56	77	73	69	64	66	62	79	78	73	68	69	67
		4100	69	63	59	52	49	48	74	68	64	60	59	54	76	71	67	63	63	60	79	74	70	66	67	63	81	78	73	68	70	68

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