

PERFORMANCE DATA

DPQ / DDQ – Standard Mixing Quiet Model - Typical Selection Guide

Unit Size	Airflow	Min. ΔPs Across Unit	Min. ΔPt.	Discharge NC ΔPs Across Unit				Radiated NC ΔPs Across Unit			
	cfm	in.w.g	in.w.g	0.5 in.w.g	1.0 in.w.g	1.5 in.w.g	3.0 in.w.g	0.5 in.w.g	1.0 in.w.g	1.5 in.w.g	3.0 in.w.g
4	75	0.06	0.11	--	--	--	--	--	--	--	--
	100	0.10	0.18	--	--	--	--	--	--	--	--
	150	0.23	0.41	--	--	--	--	--	--	--	21
	200	0.40	0.72	--	--	--	--	--	--	21	25
	225	0.51	0.92	*	--	--	--	--	*	21	23
5	150	0.10	0.17	--	--	--	--	--	--	--	--
	200	0.19	0.32	--	--	--	23	--	--	--	20
	250	0.29	0.49	--	21	23	27	--	--	--	23
	300	0.42	0.71	--	20	23	26	--	--	21	25
	350	0.57	0.97	*	23	25	29	*	22	23	27
6	200	0.16	0.22	--	--	--	21	--	--	--	--
	250	0.28	0.37	--	--	22	26	--	--	--	22
	300	0.36	0.49	--	--	22	26	--	--	--	24
	350	0.49	0.67	--	22	25	29	--	21	23	26
	400	0.64	0.88	*	25	27	32	*	23	25	28
7	200	0.07	0.10	--	--	--	--	--	--	--	--
	300	0.16	0.23	--	--	--	22	--	--	--	21
	400	0.28	0.41	--	20	23	28	--	--	20	25
	500	0.43	0.63	--	25	28	33	--	23	25	29
	550	0.52	0.76	*	27	30	35	*	25	27	31
8	350	0.12	0.17	--	--	--	25	--	--	--	26
	450	0.20	0.29	--	--	23	30	--	--	22	28
	550	0.31	0.44	--	23	27	33	--	21	24	30
	700	0.50	0.71	21	27	31	37	21	25	28	32
	750	0.57	0.81	*	26	30	36	*	26	29	34
9	400	0.08	0.12	--	--	--	22	--	--	--	26
	550	0.16	0.24	--	--	23	28	--	--	22	29
	700	0.26	0.40	--	24	27	33	--	22	25	31
	900	0.43	0.65	20	26	29	35	--	25	29	34
	1000	0.53	0.81	*	28	31	37	*	27	30	36
10	500	0.09	0.13	--	--	--	23	--	--	22	29
	700	0.19	0.27	--	20	24	29	--	21	24	31
	900	0.31	0.45	--	22	26	32	--	24	27	32
	1100	0.46	0.66	21	26	30	35	22	27	29	34
	1300	0.64	0.92	*	29	33	38	*	29	32	36
12	700	0.08	0.12	--	--	--	24	--	--	--	27
	1000	0.16	0.24	--	--	22	28	--	--	23	31
	1300	0.28	0.41	--	23	27	33	--	22	26	34
	1600	0.42	0.62	21	27	31	37	--	25	29	37
	1900	0.60	0.88	*	30	34	40	*	27	32	39
14	1000	0.10	0.14	--	--	--	22	--	--	23	30
	1475	0.21	0.31	--	--	21	27	--	23	28	35
	2100	0.43	0.62	--	23	26	33	20	28	32	40
	2425	0.57	0.83	*	25	29	35	*	30	34	41
	2900	0.81	1.18	*	28	32	38	*	32	36	44
16	1200	0.11	0.15	--	--	20	27	--	--	23	31
	1775	0.23	0.31	--	--	22	29	--	22	27	34
	2350	0.40	0.54	--	20	24	31	--	26	30	37
	2800	0.57	0.77	*	21	25	32	*	29	33	40
	3500	0.89	1.20	*	23	27	34	*	32	35	42

Performance Notes:

- NCs are derived from sound power levels, which are obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
- NCs are derived from sound power levels which include duct end corrections per AHRI Standard 880-2017.
- Blank spaces (-) indicate NCs less than 20.
- Asterisks (*) indicate minimum static pressure of the unit exceeds the minimum operating pressure across the unit.
- ΔPs is the difference in static pressure from inlet to discharge of the unit.
- ΔPs for terminal units with electric coil is equal to basic unit. Resistance of the coil elements is negligible.
- ΔPt is the difference in total pressure from inlet to discharge of the unit.
- NC values are calculated based on typical attenuation values outlined in Appendix E, AHRI Standard 885-2008, "A Procedure for Estimating Occupied Space Sound Levels in the Application of Air Terminals and Air Outlets."

Typical Attenuation Values:

Radiated Sound

Total Deduction	Octave Band Mid Frequency, Hz					
	120	250	500	1000	2000	4000
All Sizes	18	19	20	26	31	36

Discharge Sound

Total Deduction	Octave Band Mid Frequency, Hz					
	120	250	500	1000	2000	4000
< 300 cfm	24	28	39	53	59	40
300-700 cfm	27	29	40	51	53	39
> 700 cfm	29	30	41	51	52	39

DUAL DUCT

Terminal Units

PERFORMANCE DATA

DPQ / DDQ – Standard Mixing Quiet Model - Discharge Sound Data

Unit Size	Airflow cfm	Sound Power Levels Lw dB re 10 ⁻¹² Watts																											
		0.5 in.w.g.						1.0 in.w.g.						1.5 in.w.g.						3.0 in.w.g.									
		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					
4	75	53	43	33	22	19	17	55	46	36	22	19	17	57	48	38	22	20	18	60	51	41	25	23	21				
	100	54	44	34	22	19	17	56	47	38	22	20	17	58	49	40	24	21	19	61	52	43	27	23	22				
	150	55	46	36	22	19	17	58	49	40	24	21	17	60	51	42	26	22	19	62	54	45	28	24	22				
	200	56	47	38	23	19	17	59	50	41	26	21	18	61	52	43	27	23	19	63	55	46	30	25	22				
	225	*	*	*	*	*	*	59	51	42	26	22	18	61	52	44	28	23	20	64	55	47	30	25	23				
5	150	56	45	33	22	19	17	59	48	37	22	19	17	60	50	40	25	20	17	63	53	44	28	24	22				
	200	59	49	37	23	19	17	62	52	42	26	21	17	64	54	44	29	23	18	67	57	48	32	27	24				
	250	62	52	41	26	19	17	65	55	45	30	23	17	67	57	47	32	25	20	70	60	51	35	29	25				
	300	65	54	44	29	21	17	67	58	48	32	25	18	69	59	50	34	27	21	72	63	54	38	31	26				
	350	*	*	*	*	*	*	69	60	50	34	26	19	71	62	52	36	29	22	74	65	57	40	33	27				
6	200	57	47	37	22	20	17	60	50	41	25	22	20	62	52	43	27	24	22	65	56	47	30	27	26				
	250	60	50	40	25	21	17	64	53	44	28	24	21	66	56	47	30	26	23	69	59	50	33	28	27				
	300	63	52	43	28	23	18	67	56	47	31	25	22	68	58	49	33	27	24	72	62	53	36	30	28				
	350	66	55	46	30	24	18	69	58	49	33	26	22	71	60	52	35	28	25	74	64	56	38	31	29				
	400	*	*	*	*	*	*	71	60	52	35	27	23	73	62	54	37	29	25	76	66	58	40	32	29				
7	200	52	45	33	22	19	17	56	50	37	22	19	21	58	52	40	24	20	25	62	56	44	27	23	32				
	300	58	51	39	26	19	17	62	55	44	29	22	24	65	58	46	31	24	28	69	62	50	34	28	35				
	400	63	55	44	30	22	19	67	59	48	33	25	26	70	61	51	35	27	30	74	66	55	38	31	37				
	500	67	58	47	33	25	21	71	62	52	37	28	28	73	65	54	38	30	32	77	69	58	42	33	39				
	550	*	*	*	*	*	*	73	63	53	38	29	28	75	66	56	40	31	33	79	70	60	43	34	40				
8	350	58	51	40	28	22	18	63	56	45	32	26	27	66	59	48	35	28	31	71	65	54	40	33	40				
	450	62	54	43	31	23	20	67	59	48	35	28	28	70	62	51	38	30	33	75	67	57	42	34	41				
	550	64	56	45	33	25	21	69	61	51	37	29	29	72	64	54	40	32	34	77	70	59	45	36	42				
	700	68	59	48	36	26	22	73	64	54	40	31	30	76	67	57	43	33	35	81	72	62	47	37	44				
	750	*	*	*	*	*	*	74	65	55	41	31	31	77	68	58	44	34	36	82	73	63	48	38	44				
9	400	58	48	38	26	20	23	62	53	43	29	25	32	65	56	45	32	28	37	69	61	50	36	33	45				
	550	62	52	43	30	23	25	67	57	47	34	28	33	69	60	50	36	30	38	74	65	55	40	35	47				
	700	66	55	46	34	24	26	70	60	51	37	29	35	73	63	54	40	32	39	77	68	58	43	37	48				
	900	69	58	50	37	26	27	74	63	55	41	31	36	76	66	57	43	34	41	81	71	62	47	39	49				
	1000	*	*	*	*	*	*	75	64	56	42	32	36	78	67	59	45	35	41	82	72	63	48	40	50				
10	500	58	48	38	28	22	25	63	53	43	32	28	34	65	56	46	34	31	39	70	61	51	38	36	49				
	700	63	52	43	32	24	26	67	57	48	36	29	35	70	60	51	38	32	41	75	65	55	42	37	50				
	900	67	55	47	34	26	27	71	60	51	38	31	37	74	63	54	41	34	42	78	68	59	45	39	51				
	1100	70	58	50	37	27	28	74	63	54	41	32	37	77	66	57	43	35	43	81	71	62	47	40	52				
	1300	*	*	*	*	*	*	76	65	57	43	33	38	79	68	60	45	36	44	84	73	64	49	41	53				
12	700	58	47	37	25	27	28	63	53	42	30	33	37	66	56	45	32	36	42	71	62	49	37	41	51				
	1000	63	51	43	31	29	30	68	57	47	35	35	38	71	60	50	38	38	44	76	66	55	42	44	53				
	1300	67	54	47	35	31	31	72	60	51	39	37	40	75	63	54	41	40	45	79	69	59	46	45	54				
	1600	70	57	50	38	32	32	75	62	54	42	38	40	77	66	57	45	41	46	82	71	62	49	47	54				
	1900	*	*	*	*	*	*	77	64	57	45	39	41	80	68	60	47	42	46	85	73	65	51	48	55				
14	1000	57	50	40	29	35	37	62	55	44	34	39	45	65	59	47	37	42	50	70	65	51	41	47	58				
	1475	62	54	46	33	37	38	67	60	50	38	42	47	70	63	53	41	45	51	75	69	57	46	49	60				
	2100	67	58	51	37	39	40	71	63	56	42	44	48	74	67	58	45	47	53	79	72	63	49	51	61				
	2425	*	*	*	*	*	*	73	65	58	43	45	48	76	68	60	46	47	53	81	74	65	51	52	61				
	2900	*	*	*	*	*	*	75	67	61	45	46	49	78	70	63	48	48	54	83	76	68	53	53	62				
16	1200	60	54	45	33	38	37	66	60	50	39	44	45	69	63	53	43	47	50	74	69	59	49	52	59				
	1775	62	56	47	35	39	38	68	61	53	41	45	47	71	65	56	45	48	51	76	71	61	51	54	60				
	2350	64	57	49	37	40	39	69	63	55	43	46	47	72	66	58	46	49	52	78	72	63	52	55	61				
	2800	*	*	*	*	*	*	70	64	56	43	46	48	73	67	59	47	50	53	79	73	64	53	55	61				
	3500	*	*	*	*	*	*	71	65	57	45	47	49	74	68	61	48	50	53	80	74	66	54	56	62				

Performance Notes:

1. Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. Sound power levels include duct end corrections per AHRI Standard 880-2017.
3. Asterisks (*) indicate minimum static pressure of the unit exceeds the minimum operating pressure across the unit.

PERFORMANCE DATA

DPQ / DDQ – Standard Mixing Quiet Model - Radiated Sound Data

Unit Size	Airflow cfm	Sound Power Levels Lw dB re 10 ⁻¹² Watts																											
		0.5 in.w.g.							1.0 in.w.g.							1.5 in.w.g.							3.0 in.w.g.						
		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					
4	75	43	33	31	23	--	--	44	35	34	27	24	17	45	36	36	29	27	23	46	38	39	34	33	33				
	100	46	37	34	26	21	--	47	39	37	30	26	20	48	40	39	32	30	26	49	42	42	37	36	35				
	150	50	42	39	30	24	--	51	44	42	34	30	24	51	45	44	37	34	30	52	47	47	41	39	39				
	200	53	46	43	33	27	17	54	47	46	37	33	27	54	48	47	40	36	33	55	50	51	44	42	42				
	225	*	*	*	*	*	*	55	49	47	39	34	28	55	50	49	41	37	34	56	52	52	45	43	43				
5	150	48	38	33	27	23	17	50	41	37	31	28	24	51	43	39	34	32	28	53	46	43	38	37	35				
	200	51	41	36	29	25	18	53	44	40	34	30	25	54	46	42	36	34	29	56	49	46	41	39	36				
	250	53	44	39	31	27	19	56	47	43	36	32	26	57	48	45	38	35	30	59	51	49	43	41	37				
	300	56	46	41	33	28	20	58	49	45	37	33	27	59	50	47	40	36	31	61	53	51	44	42	37				
	350	*	*	*	*	*	*	59	50	46	39	34	27	61	52	49	41	37	31	63	55	52	46	43	38				
6	200	48	37	32	26	23	--	51	40	37	32	29	24	52	43	41	35	33	28	55	46	46	40	39	36				
	250	51	39	34	27	24	17	54	43	40	33	30	25	55	45	43	36	34	30	58	49	48	42	40	37				
	300	54	41	36	29	25	18	56	45	41	34	31	26	58	47	45	37	35	31	61	51	50	43	41	38				
	350	56	43	38	30	26	19	59	47	43	35	32	27	60	49	46	38	36	31	63	53	51	44	42	39				
	400	*	*	*	*	*	*	60	49	44	36	33	28	62	51	47	39	36	32	65	55	53	45	43	40				
7	200	42	36	30	28	22	--	45	40	35	34	27	23	47	43	37	37	30	28	50	47	42	43	36	37				
	300	49	41	35	31	25	17	52	45	40	36	31	26	54	48	42	40	34	31	57	52	47	45	39	40				
	400	53	45	38	32	27	20	57	49	43	38	33	28	58	51	46	41	36	34	62	56	51	47	42	42				
	500	57	47	41	34	29	21	60	52	46	39	35	30	62	54	49	43	38	35	65	58	54	48	44	44				
	550	*	*	*	*	*	*	62	53	47	40	36	31	64	55	50	43	39	36	67	59	55	49	44	45				
8	350	50	41	37	31	25	--	53	46	42	37	32	25	55	48	46	41	36	31	59	53	52	48	43	42				
	450	53	44	39	32	27	--	57	48	44	38	33	27	59	51	48	42	37	33	62	56	54	49	44	43				
	550	56	46	40	33	28	18	59	50	46	39	34	28	61	53	50	43	38	34	65	58	55	50	45	44				
	700	59	48	42	34	29	20	62	53	48	40	35	30	64	56	51	44	39	36	68	60	57	51	46	46				
	750	*	*	*	*	*	*	63	54	49	41	36	30	65	57	52	44	40	36	69	61	58	51	46	46				
9	400	49	39	34	30	25	19	53	46	39	35	31	28	56	50	42	37	34	33	60	57	48	42	40	41				
	550	52	42	38	33	27	21	57	49	43	37	33	29	59	53	46	40	36	34	64	59	51	45	42	43				
	700	55	44	41	35	29	22	59	51	46	39	34	30	62	55	49	42	38	35	67	61	54	47	43	44				
	900	58	46	44	37	30	23	62	53	49	42	36	31	65	57	52	44	39	37	69	63	57	49	45	45				
	1000	*	*	*	*	*	*	63	54	50	43	37	32	66	58	53	45	40	37	71	64	58	50	46	46				
10	500	52	43	39	33	27	21	55	49	45	39	33	28	57	52	48	43	36	33	60	57	54	50	42	40				
	700	55	46	40	34	28	22	59	51	46	40	34	30	61	55	50	44	38	34	64	60	56	50	43	42				
	900	58	48	42	35	29	24	61	54	48	41	35	31	63	57	51	45	39	36	67	62	57	51	44	43				
	1100	60	50	43	35	30	25	63	55	49	42	36	32	65	58	52	45	39	37	69	64	58	52	45	44				
	1300	*	*	*	*	*	*	65	57	49	42	37	33	67	60	53	46	40	38	71	65	59	52	46	45				
12	700	47	41	35	26	22	19	53	47	40	32	29	27	56	51	42	35	33	32	62	57	46	41	39	41				
	1000	51	44	40	31	25	21	57	50	44	36	32	29	60	54	47	40	35	34	66	61	51	45	42	43				
	1300	54	46	43	34	27	22	60	53	47	39	34	31	63	57	50	43	37	35	69	63	54	49	44	44				
	1600	56	48	46	36	29	23	62	55	50	42	35	32	65	59	52	45	39	37	71	65	57	51	45	45				
	1900	*	*	*	*	*	*	64	56	52	44	36	33	67	60	55	47	40	37	73	67	59	53	47	46				
14	1000	51	44	38	33	30	25	57	51	43	38	35	33	60	54	46	41	38	37	66	60	52	47	44	45				
	1475	55	48	42	36	33	27	61	54	48	41	38	35	64	57	51	44	41	39	70	64	56	50	46	47				
	2100	59	50	46	38	35	29	64	57	51	44	40	36	68	60	55	47	43	41	73	66	60	52	48	48				
	2425	*	*	*	*	*	*	66	58	53	45	41	37	69	61	56	48	44	42	75	68	61	53	49	49				
	2900	*	*	*	*	*	*	67	59	55	46	42	38	71	63	58	49	45	42	77	69	63	55	50	50				
16	1200	51	44	37	31	26	24	56	51	42	36	31	31	59	55	45	39	34	35	65	61	51	44	39	41				
	1775	55	47	42	35	31	29	60	53	48	40	36	35	63	57	51	43	39	39	69	64	56	48	44	46				
	2350	57	49	46	38	35	32	63	55	52	43	40	39	66	59	55	46	42	43	72	66	60	51	47	49				
	2800	*	*	*	*	*	*	65	57	54	45	42	41	68	60	57	48	45	45	73	67	63	53	49	51				
	3500	*	*	*	*	*	*	67	58	57	47	45	43	70	62	60	50	48	47	76	68	66	55	52	54				

Performance Notes:

1. Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. Sound power levels include duct end corrections per AHRI Standard 880-2017.
3. Asterisks (*) indicate minimum static pressure of the unit exceeds the minimum operating pressure across the unit.
4. Dashes (--) indicate sound power levels below 36-29-26-22-19-17 for each octave band; values below these sound power levels are considered below significance per AHRI 880.

PERFORMANCE DATA

DPQ / DDQ – Standard Mixing Quiet Model - Typical Selection Guide

Aluminum Foil Lined Construction, CRAF - No Lined Ductwork

Unit Size	Airflow cfm	Min. ΔPs Across Unit		Min. ΔPt.	Discharge NC ΔPs Across Unit				Radiated NC ΔPs Across Unit			
		in.w.g.	in.w.g.		0.5 in.w.g.	1.0 in.w.g.	1.5 in.w.g.	3.0 in.w.g.	0.5 in.w.g.	1.0 in.w.g.	1.5 in.w.g.	3.0 in.w.g.
4	75	0.06	0.11	—	—	—	—	—	—	—	—	—
	100	0.10	0.18	—	—	—	21	—	—	—	—	—
	150	0.23	0.41	—	—	—	23	—	—	—	—	21
	200	0.40	0.72	—	—	20	24	—	—	—	21	25
	225	0.51	0.92	*	—	21	25	*	21	23	26	26
5	150	0.10	0.17	—	—	20	24	—	—	—	—	—
	200	0.19	0.32	—	23	25	29	—	—	—	—	20
	250	0.29	0.49	23	26	29	32	—	—	—	—	23
	300	0.42	0.71	22	26	28	31	—	—	—	21	25
	350	0.57	0.97	*	28	30	34	*	22	23	27	27
6	200	0.16	0.22	—	—	22	27	—	—	—	—	—
	250	0.28	0.37	20	24	27	31	—	—	—	—	22
	300	0.36	0.49	20	24	27	31	—	—	—	—	24
	350	0.49	0.67	23	27	30	34	—	21	23	26	26
	400	0.64	0.88	*	30	33	37	*	23	25	28	28
7	200	0.07	0.10	—	—	—	—	—	—	—	—	—
	300	0.16	0.23	—	—	—	25	—	—	—	—	21
	400	0.28	0.41	—	23	26	31	—	—	—	20	25
	500	0.43	0.63	22	27	30	36	—	23	25	29	29
	550	0.52	0.76	*	30	33	38	*	25	27	31	31
8	350	0.12	0.17	—	—	21	28	—	—	—	—	26
	450	0.20	0.29	—	22	26	32	—	—	—	22	28
	550	0.31	0.44	—	25	29	36	—	21	24	30	30
	700	0.50	0.71	23	30	33	40	21	25	28	32	32
	750	0.57	0.81	*	28	32	39	*	26	29	34	34
9	400	0.08	0.12	—	—	—	25	—	—	—	—	26
	550	0.16	0.24	—	22	25	31	—	—	—	22	29
	700	0.26	0.40	21	27	30	36	—	22	25	31	31
	900	0.43	0.65	23	29	32	38	—	25	29	34	34
	1000	0.53	0.81	*	31	34	40	*	27	30	36	36
10	500	0.09	0.13	—	—	—	28	—	—	—	22	29
	700	0.19	0.27	—	23	26	32	—	21	24	31	31
	900	0.31	0.45	—	25	28	34	—	24	27	32	32
	1100	0.46	0.66	23	29	32	38	22	27	29	34	34
	1300	0.64	0.92	*	32	35	41	*	29	32	36	36
12	700	0.08	0.12	—	—	22	31	—	—	—	—	27
	1000	0.16	0.24	—	21	25	31	—	—	—	23	31
	1300	0.28	0.41	—	26	29	36	—	22	26	34	34
	1600	0.42	0.62	23	30	33	40	—	25	29	37	37
	1900	0.60	0.88	*	33	36	43	*	27	32	39	39
14	1000	0.10	0.14	—	23	28	36	—	—	—	23	30
	1475	0.21	0.31	—	24	29	37	—	23	28	35	35
	2100	0.43	0.62	—	25	30	38	20	28	32	40	40
	2425	0.57	0.83	*	28	31	38	*	30	34	41	41
	2900	0.81	1.18	*	31	34	40	*	32	36	44	44
16	1200	0.11	0.15	—	23	28	36	—	—	—	23	31
	1775	0.23	0.31	—	24	29	37	—	22	27	34	34
	2350	0.40	0.54	—	25	30	38	—	26	30	37	37
	2800	0.57	0.77	*	25	30	38	*	29	33	40	40
	3500	0.89	1.20	*	26	31	39	*	32	35	42	42

Performance Notes:

- NCs are derived from sound power levels, which are obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
- NCs are derived from sound power levels which include duct end corrections per AHRI Standard 880 -2017.
- Blank spaces (--) indicate NCs less than 20.
- Asterisks (*) indicate minimum static pressure of the unit exceeds the minimum operating pressure across the unit.
- ΔPs is the difference in static pressure from inlet to discharge of the unit.
- ΔPs for terminal units with electric coil is equal to basic unit. Resistance of the coil elements is negligible.
- ΔPt is the difference in total pressure from inlet to discharge of the unit.
- NC values are calculated based on procedures outlined in AHRI Standard 885- 2008, "A Procedure for Estimating Occupied Space Sound Levels in the Application of Air Terminals and Air Outlets."

Radiated Sound is based on a 5/8 in. mineral fiber tile ceiling per AHRI 885-2008, Appendix E typical attenuation values.

Total Deduction	Octave Band Mid Frequency, Hz					
	125	250	500	1000	2000	4000
All Sizes	18	19	20	26	31	36

Discharge Sound is based on environmental effect, end reflection, flex duct effect, space effect, and sound power division. No deductions for lined duct are included. These calculations are not covered by AHRI 885-2008 Appendix E.

Total Deduction	Octave Band Mid Frequency, Hz					
	125	250	500	1000	2000	4000
< 300 cfm	22	22	27	28	30	22
300-700 cfm	25	25	30	31	33	25
> 700 cfm	27	27	32	33	35	27

PERFORMANCE DATA

DPQ / DDQ – Standard Mixing Quiet Model - Discharge Sound Data

Aluminum Foil Lined Construction, CRAF

Unit Size	Airflow cfm	Sound Power Levels Lw dB re 10 ⁻¹² Watts																													
		0.5 in.w.g.							1.0 in.w.g.							1.5 in.w.g.							3.0 in.w.g.								
		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
4	35	53	38	30	--	--	--	55	40	32	--	--	--	55	41	33	--	19	18	57	43	35	--	21	22						
	47	58	43	35	--	21	18	59	45	37	--	23	22	60	46	38	--	24	24	61	47	40	23	26	28						
	71	65	50	43	27	28	26	66	51	44	29	30	30	67	52	45	30	31	32	68	54	47	31	34	36						
	94	70	55	48	33	33	31	71	56	49	34	35	35	72	57	50	35	37	38	73	59	52	37	39	42						
	106	*	*	*	*	*	*	73	58	52	37	38	38	74	59	53	38	39	40	75	61	54	39	41	44						
5	71	57	42	35	24	22	21	61	46	39	27	27	28	63	48	41	29	29	32	66	52	45	33	34	39						
	94	62	46	39	27	26	24	66	50	43	31	30	31	68	52	45	33	33	35	71	56	50	37	37	42						
	118	66	50	42	30	29	27	69	53	46	34	33	34	71	56	49	36	36	38	75	59	53	40	40	45						
	142	69	52	45	33	31	29	72	56	49	36	36	36	74	58	51	39	38	40	78	62	55	42	43	47						
	165	*	*	*	*	*	*	75	59	51	38	37	38	77	61	53	41	40	42	80	65	57	44	45	49						
6	94	61	46	38	26	26	27	64	49	42	29	30	33	66	51	44	31	33	36	70	55	48	34	36	42						
	118	65	49	42	29	29	30	68	52	46	32	33	36	70	54	48	34	35	39	73	58	52	38	39	45						
	142	68	52	45	32	31	32	71	55	49	35	35	38	73	57	51	37	38	42	76	61	55	40	41	48						
	165	*	*	*	*	*	*	74	57	52	37	37	41	76	59	54	39	40	44	79	63	57	42	43	50						
	189	*	*	*	*	*	*	76	59	54	39	39	42	78	61	56	41	41	46	81	65	60	44	45	52						
7	94	55	46	35	26	36	32	59	50	39	29	39	38	61	53	42	31	41	42	66	57	46	34	45	49						
	142	61	52	42	32	40	36	66	56	46	36	44	43	68	58	49	37	46	46	72	63	53	41	50	53						
	189	66	55	47	37	44	39	70	60	51	40	47	46	73	62	53	42	50	49	77	66	58	45	53	56						
	236	70	58	51	41	47	41	74	63	55	44	50	48	77	65	57	46	52	52	81	69	61	49	56	58						
	260	*	*	*	*	*	*	76	64	56	46	51	49	78	66	59	48	53	53	82	71	63	51	57	59						
8	165	61	51	42	35	41	38	66	56	47	39	46	46	68	59	50	42	48	51	73	64	55	46	53	59						
	212	64	53	45	38	43	40	69	59	50	42	47	48	72	62	53	45	50	52	76	67	58	49	55	60						
	260	67	56	48	40	44	41	72	61	53	45	49	49	74	64	56	47	52	54	79	69	61	52	57	62						
	330	70	58	51	43	46	42	75	63	56	48	51	50	78	66	59	50	54	55	82	71	64	55	58	63						
	354	*	*	*	*	*	*	76	64	57	49	51	51	78	67	60	51	54	56	83	72	65	56	59	64						
9	189	59	48	39	33	39	38	63	53	44	37	44	46	66	56	46	39	47	51	70	61	51	44	51	58						
	260	63	51	45	37	42	41	68	57	49	41	47	49	70	60	51	44	49	53	75	65	56	48	54	61						
	330	67	54	49	41	44	43	71	60	53	45	49	50	74	63	55	47	52	55	78	68	60	51	56	62						
	425	71	57	53	44	46	45	75	63	57	48	51	52	78	66	60	51	54	57	82	71	64	55	59	64						
	472	*	*	*	*	*	*	77	64	59	50	52	53	79	67	61	52	55	58	84	72	66	56	59	65						
10	236	61	49	42	37	42	40	66	54	47	41	47	49	69	57	49	43	49	54	73	62	54	47	54	62						
	330	65	53	47	40	44	42	70	58	52	44	49	51	73	61	55	47	52	56	78	66	59	51	56	64						
	425	68	56	51	43	46	44	73	61	56	47	50	52	76	64	58	50	53	57	81	69	63	54	58	65						
	519	*	*	*	*	*	*	76	63	59	49	52	53	79	66	61	52	55	58	84	72	66	56	59	67						
	614	*	*	*	*	*	*	78	65	61	51	53	54	81	68	64	53	56	59	86	74	69	57	60	68						
12	330	58	48	39	32	44	43	63	54	43	36	49	51	66	57	46	39	52	56	72	63	50	43	57	64						
	472	62	52	46	37	47	45	68	58	50	42	52	53	71	61	53	44	55	58	77	67	57	48	60	66						
	614	66	55	51	41	49	46	72	61	55	45	54	54	75	64	58	48	57	59	80	70	62	52	62	67						
	755	69	57	55	44	51	47	74	63	59	48	56	56	78	66	62	51	59	60	83	72	66	55	64	69						
	897	*	*	*	*	*	*	77	65	63	51	57	56	80	68	65	53	60	61	85	74	69	57	65	70						
14	472	59	50	43	37	49	47	64	56	47	42	54	55	67	59	49	44	56	59	72	65	53	49	61	66						
	696	64	55	51	42	52	49	69	60	55	46	57	57	72	64	57	49	59	61	77	69	61	53	64	68						
	991	69	59	58	46	55	52	74	64	61	50	59	59	77	68	64	53	62	63	82	73	67	57	66	71						
	1144	*	*	*	*	*	*	76	66	64	52	60	60	79	69	66	54	63	64	84	75	70	59	67	71						
	1369	*	*	*	*	*	*	79	68	68	54	61	61	82	71	70	57	64	65	87	77	74	61	68	72						
16	566	58	51	42	36	50	46	64	57	47	41	55	54	67	60	50	44	58	59	72	65	55	49	63	67						
	838	63	56	49	40	53	48	68	61	54	45	58	56	71	64	56	48	61	61	76	70	61	53	66	69						
	1109	66	58	53	43	54	49	71	64	58	49	60	57	74	67	61	52	63	62	79	72	65	57	68	70						
	1321	*	*	*	*	*	*	73	66	61	51	61	58	76	69	64	54	64	63	81	74	68	59	69	71						
	1652	*	*	*	*	*	*	75	68	65	53	62	59	78	71	67	56	65	64	84	77	72	61	70	72						

Performance Notes:

1. Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. Sound power levels include duct end corrections per AHRI Standard 880-2017.
3. Asterisks (*) indicate minimum static pressure of the unit exceeds the minimum operating pressure across the unit.
4. Dashes (-) indicate sound power levels below 36-29-26-22-19-17 for each octave band; values below these sound power levels are considered below significance per AHRI 880.

PERFORMANCE DATA

DPQ / DDQ – Standard Mixing Quiet Model - Radiated Sound Data

Aluminum Foil Lined Construction, CRAF

Unit Size	Airflow cfm	Sound Power Levels Lw dB re 10 ⁻¹² Watts																											
		0.5 in.w.g.						1.0 in.w.g.						1.5 in.w.g.						3.0 in.w.g.									
		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				
4	35	43	33	31	23	--	--	44	35	34	27	24	17	45	36	36	29	27	23	46	38	39	34	33	33				
	47	46	37	34	26	21	--	47	39	37	30	26	20	48	40	39	32	30	26	49	42	42	37	36	35				
	71	50	42	39	30	24	--	51	44	42	34	30	24	51	45	44	37	34	30	52	47	47	41	39	39				
	94	53	46	43	33	27	17	54	47	46	37	33	27	54	48	47	40	36	33	55	50	51	44	42	42				
	106	*	*	*	*	*	*	55	49	47	39	34	28	55	50	49	41	37	34	56	52	52	45	43	43				
5	71	48	38	33	27	23	17	50	41	37	31	28	24	51	43	39	34	32	28	53	46	43	38	37	35				
	94	51	41	36	29	25	18	53	44	40	34	30	25	54	46	42	36	34	29	56	49	46	41	39	36				
	118	53	44	39	31	27	19	56	47	43	36	32	26	57	48	45	38	35	30	59	51	49	43	41	37				
	142	56	46	41	33	28	20	58	49	45	37	33	27	59	50	47	40	36	31	61	53	51	44	42	37				
	165	*	*	*	*	*	*	59	50	46	39	34	27	61	52	49	41	37	31	63	55	52	46	43	38				
6	94	48	37	32	26	23	--	51	40	37	32	29	24	52	43	41	35	33	28	55	46	46	40	39	36				
	118	51	39	34	27	24	17	54	43	40	33	30	25	55	45	43	36	34	30	58	49	48	42	40	37				
	142	54	41	36	29	25	18	56	45	41	34	31	26	58	47	45	37	35	31	61	51	50	43	41	38				
	165	*	*	*	*	*	*	59	47	43	35	32	27	60	49	46	38	36	31	63	53	51	44	42	39				
	189	*	*	*	*	*	*	60	49	44	36	33	28	62	51	47	39	36	32	65	55	53	45	43	40				
7	94	42	36	30	28	22	--	45	40	35	34	27	23	47	43	37	37	30	28	50	47	42	43	36	37				
	142	49	41	35	31	25	17	52	45	40	36	31	26	54	48	42	40	34	31	57	52	47	45	39	40				
	189	53	45	38	32	27	20	57	49	43	38	33	28	58	51	46	41	36	34	62	56	51	47	42	42				
	236	57	47	41	34	29	21	60	52	46	39	35	30	62	54	49	43	38	35	65	58	54	48	44	44				
	260	*	*	*	*	*	*	62	53	47	40	36	31	64	55	50	43	39	36	67	59	55	49	44	45				
8	165	50	41	37	31	25	--	53	46	42	37	32	25	55	48	46	41	36	31	59	53	52	48	43	42				
	212	53	44	39	32	27	--	57	48	44	38	33	27	59	51	48	42	37	33	62	56	54	49	44	43				
	260	56	46	40	33	28	18	59	50	46	39	34	28	61	53	50	43	38	34	65	58	55	50	45	44				
	330	59	48	42	34	29	20	62	53	48	40	35	30	64	56	51	44	39	36	68	60	57	51	46	46				
	354	*	*	*	*	*	*	63	54	49	41	36	30	65	57	52	44	40	36	69	61	58	51	46	46				
9	189	49	39	34	30	25	19	53	46	39	35	31	28	56	50	42	37	34	33	60	57	48	42	40	41				
	260	52	42	38	33	27	21	57	49	43	37	33	29	59	53	46	40	36	34	64	59	51	45	42	43				
	330	55	44	41	35	29	22	59	51	46	39	34	30	62	55	49	42	38	35	67	61	54	47	43	44				
	425	58	46	44	37	30	23	62	53	49	42	36	31	65	57	52	44	39	37	69	63	57	49	45	45				
	472	*	*	*	*	*	*	63	54	50	43	37	32	66	58	53	45	40	37	71	64	58	50	46	46				
10	236	52	43	39	33	27	21	55	49	45	39	33	28	57	52	48	43	36	33	60	57	54	50	42	40				
	330	55	46	40	34	28	22	59	51	46	40	34	30	61	55	50	44	38	34	64	60	56	50	43	42				
	425	58	48	42	35	29	24	61	54	48	41	35	31	63	57	51	45	39	36	67	62	57	51	44	43				
	519	*	*	*	*	*	*	63	55	49	42	36	32	65	58	52	45	39	37	69	64	58	52	45	44				
	614	*	*	*	*	*	*	65	57	49	42	37	33	67	60	53	46	40	38	71	65	59	52	46	45				
12	330	47	41	35	26	22	19	53	47	40	32	29	27	56	51	42	35	33	32	62	57	46	41	39	41				
	472	51	44	40	31	25	21	57	50	44	36	32	29	60	54	47	40	35	34	66	61	51	45	42	43				
	614	54	46	43	34	27	22	60	53	47	39	34	31	63	57	50	43	37	35	69	63	54	49	44	44				
	755	56	48	46	36	29	23	62	55	50	42	35	32	65	59	52	45	39	37	71	65	57	51	45	45				
	897	*	*	*	*	*	*	64	56	52	44	36	33	67	60	55	47	40	37	73	67	59	53	47	46				
14	472	51	44	38	33	30	25	57	51	43	38	35	33	60	54	46	41	38	37	66	60	52	47	44	45				
	696	55	48	42	36	33	27	61	54	48	41	38	35	64	57	51	44	41	39	70	64	56	50	46	47				
	991	59	50	46	38	35	29	64	57	51	44	40	36	68	60	55	47	43	41	73	66	60	52	48	48				
	1144	*	*	*	*	*	*	66	58	53	45	41	37	69	61	56	48	44	42	75	68	61	53	49	49				
	1369	*	*	*	*	*	*	67	59	55	46	42	38	71	63	58	49	45	42	77	69	63	55	50	50				
16	566	51	44	37	31	26	24	56	51	42	36	31	31	59	55	45	39	34	35	65	61	51	44	39	41				
	838	55	47	42	35	31	29	60	53	48	40	36	35	63	57	51	43	39	39	69	64	56	48	44	46				
	1109	57	49	46	38	35	32	63	55	52	43	40	39	66	59	55	46	42	43	72	66	60	51	47	49				
	1321	*	*	*	*	*	*	65	57	54	45	42	41	68	60	57	48	45	45	73	67	63	53	49	51				
	1652	*	*	*	*	*	*	67	58	57	47	45	43	70	62	60	50	48	47	76	68	66	55	52	54				

Performance Notes:

1. Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. Sound power levels include duct end corrections per AHRI Standard 880-2017.
3. All data are application ratings. Application ratings are outside the scope of the AHRI 880 Certification Program.
4. Asterisks (*) indicate minimum static pressure of the unit exceeds the minimum operating pressure across the unit.
5. Dashes (-) indicate sound power levels below 36-29-26-22-19-17 for each octave band; values below these sound power levels are considered below significance per AHRI 880.