

PERFORMANCE DATA



Dual Duct AHRI Certification Rating Points

DPS, DDS – Standard Model

Unit Size	Rated Airflow	Minimum Operating Pressure Required	Radiated Sound Power Level, dB at 1.5 in.w.g. Octave Band							Discharge Sound Power Level, dB at 1.5 in.w.g. Octave Band						
			cfm	in. Water	2	3	4	5	6	7	2	3	4	5	6	7
4	150	0.27	50	44	43	37	34	30	65	56	49	39	41	37		
5	250	0.32	55	47	45	37	34	30	69	60	53	45	46	43		
6	400	0.71	59	50	47	38	34	30	76	65	60	50	51	51		
7	550	0.58	64	53	48	41	38	34	78	69	63	54	55	52		
8	700	0.57	65	55	50	42	38	37	78	69	63	56	56	54		
9	900	0.52	65	55	50	42	39	37	78	68	63	56	56	55		
10	1100	0.54	65	56	52	43	39	37	79	68	64	57	57	56		
12	1600	0.48	65	57	52	45	39	38	78	68	66	57	58	58		
14	2100	0.41	66	58	53	45	41	39	77	69	66	57	59	61		
16	2800	0.60	66	58	55	46	43	43	76	69	66	58	59	61		

DPM, DDM – High-Mixing Model

Unit Size	Rated Airflow	Minimum Operating Pressure Required	Radiated Sound Power Level, dB at 1.5 in.w.g. Octave Band							Discharge Sound Power Level, dB at 1.5 in.w.g. Octave Band						
			cfm	in. Water	2	3	4	5	6	7	2	3	4	5	6	7
4	150	0.21	56	51	41	34	31	31	61	45	37	37	32	28		
5	250	0.19	56	50	42	35	31	26	66	49	39	39	35	29		
6	400	0.41	59	55	46	39	34	29	70	57	46	46	43	40		
7	550	0.44	63	52	44	37	35	31	73	60	52	51	48	45		
8	700	0.49	64	52	45	37	33	33	76	63	54	53	51	46		
9	900	0.4	62	54	47	39	34	31	75	60	55	51	51	46		
10	1100	0.55	62	55	47	38	31	27	76	61	56	51	50	49		
12	1600	0.37	64	56	47	39	35	37	77	62	53	51	49	42		
14	2100	0.52	70	55	51	41	36	30	78	64	60	55	53	49		
16	2800	0.44	70	59	53	45	39	34	76	64	60	54	52	48		

Performance Notes:

1. cfm, cubic feet per minute.
2. Sound power levels expressed in decibels, (dB) re 10⁻¹² watts.
3. Sound power levels include duct end corrections per AHRI Standard 880-2017.

PERFORMANCE DATA

DPS / DDS – Standard Mixing 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	0.07	0.12	--	--	--	--	--	--	--	--
	100	0.12	0.20	--	--	--	--	--	--	--	--
	150	0.26	0.44	--	--	21	23	--	--	--	--
	200	0.47	0.79	--	26	27	29	--	--	21	23
	225	0.59	1.00	*	29	30	31	*	21	22	25
5	150	0.12	0.19	--	--	--	20	--	--	--	--
	200	0.21	0.34	--	--	22	26	--	--	--	21
	250	0.32	0.52	--	24	27	31	--	--	--	23
	300	0.46	0.75	--	24	27	31	--	--	21	25
	350	0.63	1.03	*	27	30	34	*	21	23	27
6	200	0.18	0.24	--	--	20	24	--	--	--	--
	250	0.28	0.37	--	22	25	29	--	--	--	21
	300	0.40	0.53	--	22	25	29	--	--	--	23
	350	0.54	0.72	*	26	28	33	*	--	--	25
	400	0.71	0.95	*	29	31	36	*	--	21	27
7	200	0.08	0.11	--	--	--	22	--	--	--	--
	300	0.17	0.24	--	--	21	27	--	--	--	--
	400	0.31	0.44	--	24	27	33	--	--	20	24
	500	0.48	0.68	--	29	32	38	--	23	25	29
	550	0.58	0.82	*	31	34	40	*	25	27	31
8	350	0.14	0.19	--	--	21	28	--	--	--	23
	450	0.23	0.32	--	22	26	32	--	--	21	25
	550	0.35	0.48	--	26	29	35	--	22	25	29
	700	0.57	0.78	--	30	33	39	22	26	29	33
	750	0.65	0.89	*	28	32	38	*	28	30	34
9	400	0.10	0.14	--	--	--	24	--	--	--	24
	550	0.19	0.27	--	21	24	30	--	--	22	28
	700	0.31	0.45	--	25	29	34	--	22	25	31
	900	0.52	0.74	--	28	31	37	--	25	29	35
	1000	0.64	0.92	*	30	33	39	*	27	30	36
10	500	0.11	0.15	--	--	22	28	--	--	--	26
	700	0.22	0.30	--	24	27	34	--	--	23	29
	900	0.36	0.50	--	25	29	35	--	23	26	33
	1100	0.54	0.74	*	29	32	39	*	25	29	35
	1300	0.75	1.03	*	31	35	41	*	28	31	38
12	700	0.09	0.13	--	--	--	26	--	--	--	25
	1000	0.19	0.27	--	--	23	30	--	--	22	29
	1300	0.31	0.44	--	23	27	34	--	22	26	33
	1600	0.48	0.68	--	27	31	38	--	25	29	35
	1900	0.67	0.95	*	30	34	41	*	27	31	38
14	1000	0.09	0.13	--	--	21	28	--	--	21	28
	1475	0.20	0.30	--	--	24	30	--	21	25	33
	2100	0.41	0.60	--	26	30	37	--	25	30	37
	2425	0.55	0.81	*	29	33	39	*	27	31	39
	2900	0.79	1.16	*	32	36	43	*	29	34	41
16	1200	0.11	0.15	--	--	21	29	--	--	21	28
	1775	0.24	0.32	--	--	22	31	--	--	24	32
	2350	0.42	0.56	--	22	26	33	--	24	28	35
	2800	0.60	0.80	*	25	29	35	*	27	30	37
	3500	0.93	1.24	*	28	32	39	*	30	33	40

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					
	125	250	500	1000	2000	4000
All Sizes	18	19	20	26	31	36

Discharge Sound

Total Deduction	Octave Band Mid Frequency, Hz					
	125	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

PERFORMANCE DATA



DPS / DDS – Standard Mixing 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	51	42	34	23	26	17	53	44	36	24	28	21	53	45	37	25	29	23	55	47	39	27	31	27				
	100	56	47	39	28	31	23	57	49	41	30	33	27	58	50	42	31	34	29	59	51	44	32	36	33				
	150	63	54	47	36	38	31	64	55	48	38	40	35	65	56	49	39	41	37	66	58	51	40	44	41				
	200	68	59	52	42	43	36	69	60	53	43	45	40	70	61	54	44	47	43	71	63	56	46	49	47				
	225	*	*	*	*	*	*	71	62	56	46	48	43	72	63	57	47	49	45	73	65	58	48	51	49				
5	150	55	46	39	33	32	26	59	50	43	36	37	33	61	52	45	38	39	37	64	56	49	42	44	44				
	200	60	50	43	36	36	29	64	54	47	40	40	36	66	56	49	42	43	40	69	60	54	46	47	47				
	250	64	54	46	39	39	32	67	57	50	43	43	39	69	60	53	45	46	43	73	63	57	49	50	50				
	300	67	56	49	42	41	34	70	60	53	45	46	41	72	62	55	48	48	45	76	66	59	51	53	52				
	350	*	*	*	*	*	*	73	63	55	47	47	43	75	65	57	50	50	47	78	69	61	53	55	54				
6	200	59	50	42	35	36	32	62	53	46	38	40	38	64	55	48	40	43	41	68	59	52	43	46	47				
	250	63	53	46	38	39	35	66	56	50	41	43	41	68	58	52	43	45	44	71	62	56	47	49	50				
	300	66	56	49	41	41	37	69	59	53	44	45	43	71	61	55	46	48	47	74	65	59	49	51	53				
	350	*	*	*	*	*	*	72	61	56	46	47	46	74	63	58	48	50	49	77	67	61	51	53	55				
	400	*	*	*	*	*	*	74	63	58	48	49	47	76	65	60	50	51	51	79	69	64	53	55	57				
7	200	55	49	39	32	38	31	59	53	43	35	41	37	61	56	46	37	43	41	66	60	50	40	47	48				
	300	61	55	46	38	42	35	66	59	50	42	46	42	68	61	53	43	48	45	72	66	57	47	52	52				
	400	66	58	51	43	46	38	70	63	55	46	49	45	73	65	57	48	52	48	77	69	62	51	55	55				
	500	70	61	55	47	49	40	74	66	59	50	52	47	77	68	61	52	54	51	81	72	65	55	58	57				
	550	*	*	*	*	*	*	76	67	60	52	53	48	78	69	63	54	55	52	82	74	67	57	59	58				
8	350	61	54	46	41	43	37	66	59	51	45	48	45	68	62	54	48	50	50	73	67	59	52	55	58				
	450	64	56	49	44	45	39	69	62	54	48	49	47	72	65	57	51	52	51	76	70	62	55	57	59				
	550	67	59	52	46	46	40	72	64	57	51	51	48	74	67	60	53	54	53	79	72	65	58	59	61				
	700	70	61	55	49	48	41	75	66	60	54	53	49	78	69	63	56	56	54	82	74	68	61	60	62				
	750	*	*	*	*	*	*	76	67	61	55	53	50	78	70	64	57	56	55	83	75	69	62	61	63				
9	400	59	50	42	38	41	36	63	55	47	42	46	44	66	58	49	44	49	49	70	63	54	49	53	56				
	550	63	53	48	42	44	39	68	59	52	46	49	47	70	62	54	49	51	51	75	67	59	53	56	59				
	700	67	56	52	46	46	41	71	62	56	50	51	48	74	65	58	52	54	53	78	70	63	56	58	60				
	900	71	59	56	49	48	43	75	65	60	53	53	50	78	68	63	56	56	55	82	73	67	60	61	62				
	1000	*	*	*	*	*	*	77	66	62	55	54	51	79	69	64	57	57	56	84	74	69	61	61	63				
10	500	61	51	45	42	44	38	66	56	50	46	49	47	69	59	52	48	51	52	73	64	57	52	56	60				
	700	65	55	50	45	46	40	70	60	55	49	51	49	73	63	58	52	54	54	78	68	62	56	58	62				
	900	68	58	54	48	48	42	73	63	59	52	52	50	76	66	61	55	55	55	81	71	66	59	60	63				
	1100	*	*	*	*	*	*	76	65	62	54	54	51	79	68	64	57	57	56	84	74	69	61	61	65				
	1300	*	*	*	*	*	*	78	67	64	56	55	52	81	70	67	58	58	57	86	76	72	62	62	66				
12	700	58	50	43	38	43	41	63	56	47	42	48	49	66	59	50	45	51	54	72	65	54	49	56	62				
	1000	62	54	50	43	46	43	68	60	54	48	51	51	71	63	57	50	54	56	77	69	61	54	59	64				
	1300	66	57	55	47	48	44	72	63	59	51	53	52	75	66	62	54	56	57	80	72	66	58	61	65				
	1600	69	59	59	50	50	45	74	65	63	54	55	54	78	68	66	57	58	58	83	74	70	61	63	67				
	1900	*	*	*	*	*	*	77	67	67	57	56	54	80	70	69	59	59	59	85	76	73	63	64	68				
14	1000	59	51	45	41	46	45	64	57	49	46	51	53	67	60	51	48	53	57	72	66	55	53	58	64				
	1475	64	56	53	46	49	47	69	61	57	50	54	55	72	65	59	53	56	59	77	70	63	57	61	66				
	2100	69	60	60	50	52	50	74	65	63	54	56	57	77	69	66	57	59	61	82	74	69	61	63	69				
	2425	*	*	*	*	*	*	76	67	66	56	57	58	79	70	68	58	60	62	84	76	72	63	64	69				
	2900	*	*	*	*	*	*	79	69	70	58	58	59	82	72	72	61	61	63	87	78	76	65	65	70				
16	1200	58	51	44	40	45	44	64	57	49	45	50	52	67	60	52	48	53	57	72	65	57	53	58	65				
	1775	63	56	51	44	48	46	68	61	56	49	53	54	71	64	58	52	56	59	76	70	63	57	61	67				
	2350	66	58	55	47	49	47	71	64	60	53	55	55	74	67	63	56	58	60	79	72	67	61	63	68				
	2800	*	*	*	*	*	*	73	66	63	55	56	56	76	69	66	58	59	61	81	74	70	63	64	69				
	3500	*	*	*	*	*	*	75	68	67	57	57	57	78	71	69	60	60	62	84	77	74	65	65	70				

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. AHRI certified data is highlighted in blue. All other data are application ratings.
4. Application ratings are outside the scope of the AHRI 880 Certification Program.
5. Asterisks (*) indicate minimum static pressure of the unit exceeds the minimum operating pressure across the unit.

PERFORMANCE DATA



DPS, DDS – Standard Mixing Model - Radiated Sound Data

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

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. AHRI certified data is highlighted in blue. All other data are application ratings.
4. Application ratings are outside the scope of the AHRI 880 Certification Program.
5. Asterisks (*) indicate minimum static pressure of the unit exceeds the minimum operating pressure across the unit.
6. 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

DPS / DDS - Standard Mixing Model - Typical Selection Guide

Aluminum Foil Lined Construction, CRAF - No Lined Ductwork

Unit Size	Airflow cfm	Min. ΔPs Across Unit		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	0.07	0.12	—	—	—	—	—	—	—	—
	100	0.12	0.20	—	—	—	—	—	—	—	—
	150	0.26	0.44	23	25	26	28	—	—	—	—
	200	0.47	0.79	30	31	32	34	—	—	21	23
	225	0.59	1.00	*	34	35	36	*	21	22	25
5	150	0.12	0.19	—	—	22	28	—	—	—	—
	200	0.21	0.34	—	24	27	32	—	—	—	21
	250	0.32	0.52	25	29	32	36	—	—	—	23
	300	0.46	0.75	25	29	32	36	—	—	21	25
	350	0.63	1.03	*	32	35	40	*	21	23	27
6	200	0.18	0.24	—	23	26	31	—	—	—	—
	250	0.28	0.37	23	28	30	34	—	—	—	21
	300	0.40	0.53	23	28	30	34	—	—	—	23
	350	0.54	0.72	*	31	33	38	*	—	—	25
	400	0.71	0.95	*	34	36	41	*	—	21	27
7	200	0.08	0.11	—	22	26	32	—	—	—	—
	300	0.17	0.24	—	24	27	33	—	—	—	—
	400	0.31	10.44	24	29	33	38	—	—	20	24
	500	0.48	0.68	29	34	37	43	—	23	25	29
	550	0.58	0.82	*	36	39	45	*	25	27	31
8	350	0.14	0.19	—	26	31	39	—	—	—	23
	450	0.23	0.32	21	28	33	41	—	—	21	25
	550	0.35	0.48	25	31	34	42	—	22	25	29
	700	0.57	0.78	29	35	39	45	22	26	29	33
	750	0.65	0.89	*	34	37	43	*	28	30	34
9	400	0.10	0.14	—	26	30	38	—	—	—	24
	550	0.19	0.27	21	28	32	40	—	—	22	28
	700	0.31	0.45	25	31	34	42	—	22	25	31
	900	0.52	0.74	27	33	36	42	—	25	29	35
	1000	0.64	0.92	*	35	38	44	*	27	30	36
10	500	0.11	0.15	20	28	33	41	—	—	—	26
	700	0.22	0.30	23	30	35	43	—	—	23	29
	900	0.36	0.50	24	30	34	43	—	23	26	33
	1100	0.54	0.74	*	34	37	44	*	25	29	35
	1300	0.75	1.03	*	37	40	46	*	28	31	38
12	700	0.09	0.13	23	31	35	43	—	—	—	25
	1000	0.19	0.27	22	30	35	43	—	—	22	29
	1300	0.31	0.44	24	32	37	45	—	22	26	33
	1600	0.48	0.68	25	33	38	46	—	25	29	35
	1900	0.67	0.95	*	35	39	47	*	27	31	38
14	1000	0.09	0.13	25	32	36	43	—	—	21	28
	1475	0.20	0.30	27	34	38	46	—	21	25	33
	2100	0.41	0.60	29	36	40	48	—	25	30	37
	2425	0.55	0.81	*	37	41	49	*	27	31	39
	2900	0.79	1.16	*	38	42	50	*	29	34	41
16	1200	0.11	0.15	23	32	36	44	—	—	21	28
	1775	0.24	0.32	25	33	38	46	—	—	24	32
	2350	0.42	0.56	27	35	39	48	—	24	28	35
	2800	0.60	0.80	*	36	40	48	*	27	30	37
	3500	0.93	1.24	*	37	41	49	*	30	33	40

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

DPS / DDS - Standard Mixing 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	44	35	26	31	21	55	46	37	27	33	25	55	47	38	28	34	27	57	49	40	30	36	31	57	49	40	30	36	31
	47	58	49	40	31	36	27	59	51	42	33	38	31	60	52	43	34	39	33	61	53	45	35	41	37	61	53	45	35	41	37
	71	65	56	48	39	43	35	66	57	49	41	45	39	67	58	50	42	46	41	68	60	52	43	49	45	68	60	52	43	49	45
	94	70	61	53	45	48	40	71	62	54	46	50	44	72	63	55	47	52	47	73	65	57	49	54	51	73	65	57	49	54	51
	106	*	*	*	*	*	*	73	64	57	49	53	47	74	65	58	50	54	49	75	67	59	51	56	53	75	67	59	51	56	53
5	71	57	48	40	36	37	30	61	52	44	39	42	37	63	54	46	41	44	41	66	58	50	45	49	48	66	58	50	45	49	48
	94	62	52	44	39	41	33	66	56	48	43	45	40	68	58	50	45	48	44	71	62	55	49	52	51	71	62	55	49	52	51
	118	66	56	47	42	44	36	69	59	51	46	48	43	71	62	54	48	51	47	75	65	58	52	55	54	75	65	58	52	55	54
	142	69	58	50	45	46	38	72	62	54	48	51	45	74	64	56	51	53	49	78	68	60	54	58	56	78	68	60	54	58	56
	165	*	*	*	*	*	*	75	65	56	50	52	47	77	67	58	53	55	51	80	71	62	56	60	58	80	71	62	56	60	58
6	94	61	52	43	38	41	36	64	55	47	41	45	42	66	57	49	43	48	45	70	61	53	46	51	51	70	61	53	46	51	51
	118	65	55	47	41	44	39	68	58	51	44	48	45	70	60	53	46	50	48	73	64	57	50	54	54	73	64	57	50	54	54
	142	68	58	50	44	46	41	71	61	54	47	50	47	73	63	56	49	53	51	76	67	60	52	56	57	76	67	60	52	56	57
	165	*	*	*	*	*	*	74	63	57	49	52	50	76	65	59	51	55	53	79	69	62	54	58	59	79	69	62	54	58	59
	189	*	*	*	*	*	*	76	65	59	51	54	51	78	67	61	53	56	55	81	71	65	56	60	61	81	71	65	56	60	61
7	94	57	51	40	35	43	35	61	55	44	38	46	41	63	58	47	40	48	45	68	62	51	43	52	52	68	62	51	43	52	52
	142	63	57	47	41	47	39	68	61	51	45	51	46	70	63	54	46	53	49	74	68	58	50	57	56	74	68	58	50	57	56
	189	68	60	52	46	51	42	72	65	56	49	54	49	75	67	58	51	57	52	79	71	63	54	60	59	79	71	63	54	60	59
	236	72	63	56	50	54	44	76	68	60	53	57	51	79	70	62	55	59	55	83	74	66	58	63	61	83	74	66	58	63	61
	260	*	*	*	*	*	*	78	69	61	55	58	52	80	71	64	57	60	56	84	76	68	60	64	62	84	76	68	60	64	62
8	165	63	56	47	44	48	41	68	61	52	48	53	49	70	64	55	51	55	54	75	69	60	55	60	62	75	69	60	55	60	62
	212	66	58	50	47	50	43	71	64	55	51	54	51	74	67	58	54	57	55	78	72	63	58	62	63	78	72	63	58	62	63
	260	69	61	53	49	51	44	74	66	58	54	56	52	76	69	61	56	59	57	81	74	66	61	64	65	81	74	66	61	64	65
	330	72	63	56	52	53	45	77	68	61	57	58	53	80	71	64	59	61	58	84	76	69	64	65	66	84	76	69	64	65	66
	354	*	*	*	*	*	*	78	69	62	58	58	54	80	72	65	60	61	59	85	77	70	65	66	67	85	77	70	65	66	67
9	189	61	52	43	41	46	40	65	57	48	45	51	48	68	60	50	47	54	53	72	65	55	52	58	60	72	65	55	52	58	60
	260	65	55	49	45	49	43	70	61	53	49	54	51	72	64	55	52	56	55	77	69	60	56	61	63	77	69	60	56	61	63
	330	69	58	53	49	51	45	73	64	57	53	56	52	76	67	59	55	59	57	80	72	64	59	63	64	80	72	64	59	63	64
	425	73	61	57	52	53	47	77	67	61	56	58	54	80	70	64	59	61	59	84	75	68	63	66	66	84	75	68	63	66	66
	472	*	*	*	*	*	*	79	68	63	58	59	55	81	71	65	60	62	60	86	76	70	64	66	67	86	76	70	64	66	67
10	236	63	53	46	45	49	42	68	58	51	49	54	51	71	61	53	51	56	56	75	66	58	55	61	64	75	66	58	55	61	64
	330	67	57	51	48	51	44	72	62	56	52	56	53	75	65	59	55	59	58	80	70	63	59	63	66	80	70	63	59	63	66
	425	70	60	55	51	53	46	75	65	60	55	57	54	78	68	62	58	60	59	83	73	67	62	65	67	83	73	67	62	65	67
	519	*	*	*	*	*	*	78	67	63	57	59	55	81	70	65	60	62	60	86	76	70	64	66	69	86	76	70	64	66	69
	614	*	*	*	*	*	*	80	69	65	59	60	56	83	72	68	61	63	61	88	78	73	65	67	70	88	78	73	65	67	70
12	330	60	52	44	41	48	45	65	58	48	45	53	53	68	61	51	48	56	58	74	67	55	52	61	66	74	67	55	52	61	66
	472	64	56	51	46	51	47	70	62	55	51	56	55	73	65	58	53	59	60	79	71	62	57	64	68	79	71	62	57	64	68
	614	68	59	56	50	53	48	74	65	60	54	58	56	77	68	63	57	61	61	82	74	67	61	66	69	82	74	67	61	66	69
	755	71	61	60	53	55	49	76	67	64	57	60	58	80	70	67	60	63	62	85	76	71	64	68	71	85	76	71	64	68	71
	897	*	*	*	*	*	*	79	69	68	60	61	58	82	72	70	62	64	63	87	78	74	66	69	72	87	78	74	66	69	72
14	472	61	53	46	44	51	49	66	59	50	49	56	57	69	62	52	51	58	61	74	68	56	56	63	68	74	68	56	56	63	68
	696	66	58	54	49	54	51	71	63	58	53	59	59	74	67	60	56	61	63	79	72	64	60	66	70	79	72	64	60	66	70
	991	71	62	61	53	57	54	76	67	64	57	61	61	79	71	67	60	64	65	84	76	70	64	68	73	84	76	70	64	68	73
	1144	*	*	*	*	*	*	78	69	67	59	62	62	81	72	69	61	65	66	86	78	73	66	69	73	86	78	73	66	69	73
	1369	*	*	*	*	*	*	81	71	71	61	63	63	84	74	73	64	66	67	89	80	77	68	70	74	89	80	77	68	70	74
16	566	60	53	45	43	50	48	66	59	50	48	55	56	69	62	53	51	58	61	74	67	58	56	63	69	74	67	58	56	63	69
	838	65	58	52	47	53	50	70	63	57	52	58	58	73	66	59	55	61	63	78	72	64	60	66	71	78	72	64	60	66	71
	1109	68	60	56	50	54	51	73	66	61	56	60	59	76	69	64	59	63	64	81	74	68	64	68	72	81	74	68	64	68	72
	1321	*	*	*	*	*	*	75	68	64	58	61	60	78	71	67	61	64	65	83	76	71	66	69	73	83	76	71	66	69	73
	1652	*	*	*	*	*	*	77	70	68	60	62	61	80	73	70	63	65	66	86	79	75	68	70	74	86	79	75	68	70	74

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. Airflow given in cfm.
4. Pressure is given in in.w.g.
5. All data are application ratings. Application ratings are outside the scope of the AHRI 880 Certification Program.
6. Asterisks (*) indicate minimum static pressure of the unit exceeds the minimum operating pressure across the unit.

DUAL DUCT

Terminal Units

PERFORMANCE DATA



DPS / DDS - Standard Mixing 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	2	3	4	5	6	7											
4	75	44	34	30	23	20	--	44	36	32	26	25	22	44	37	33	28	28	27	45	38	35	32	33	35	44	37	33	28	28	27	45	38	35	32	33	35					
	100	46	37	34	26	22	--	47	39	36	30	28	23	47	40	37	32	31	28	47	41	39	36	36	36	47	40	37	32	31	28	47	41	39	36	36	36					
	150	50	41	40	31	26	17		50	43	42	35	31	25	50	44	43	37	34	30	51	45	45	40	40	38	50	44	43	37	34	30	51	45	45	40	40	38				
	200	52	44	43	34	29	18		53	46	46	38	34	26	53	47	47	40	37	31	53	48	49	44	42	39	53	47	47	40	37	31	53	48	49	44	42	39				
	225	*	*	*	*	*	*		54	47	47	39	35	27	54	48	48	42	38	32	54	49	50	45	43	40	54	48	48	42	38	32	54	49	50	45	43	40				
5	150	46	37	34	25	21	--	48	40	38	30	27	23	48	42	40	32	30	27	51	44	44	36	35	35	48	42	40	32	30	27	51	44	44	36	35	35					
	200	49	40	37	28	24	17		51	43	41	32	29	25	52	44	43	35	32	29	54	47	47	39	37	36	52	44	43	35	32	29	54	47	47	39	37	36				
	250	51	42	39	30	25	18		53	45	43	34	31	26	53	45	45	37	34	30	57	49	49	41	39	37	55	47	45	37	34	30	57	49	49	41	39	37				
	300	53	44	41	32	27	19		55	47	45	36	32	27	55	48	47	38	35	31	59	51	51	43	41	38	57	48	47	38	35	31	59	51	51	43	41	38				
	350	*	*	*	*	*	*		57	48	47	37	33	27	58	50	49	40	36	32	60	53	53	44	42	39	58	50	49	40	36	32	60	53	53	44	42	39				
6	200	44	37	32	26	22	--	47	40	37	31	28	23	47	42	40	34	31	27	50	46	45	39	36	34	47	42	40	34	31	27	50	46	45	39	36	34					
	250	48	39	34	27	23	--	50	43	39	32	29	24	50	45	42	35	32	28	54	49	48	40	37	35	51	45	42	35	32	28	54	49	48	40	37	35					
	300	51	41	36	28	24	18		53	45	41	33	30	25	54	47	44	36	33	29	57	51	49	41	38	35	54	47	44	36	33	29	57	51	49	41	38	35				
	350	*	*	*	*	*	*		55	47	43	34	30	25	57	49	46	37	34	29	59	52	51	42	39	36	57	49	46	37	34	29	59	52	51	42	39	36				
	400	*	*	*	*	*	*		57	48	44	35	31	26	59	50	47	38	34	30	61	54	52	43	40	37	59	50	47	38	34	30	61	54	52	43	40	37				
7	200	42	34	28	25	21	--	45	38	33	30	26	21	47	41	36	32	30	26	50	45	41	37	35	35	45	38	33	30	26	21	47	41	36	32	30	26	50	45	41	37	35
	300	49	39	33	29	25	--	52	43	38	33	30	24	52	46	41	36	33	29	57	50	46	41	38	38	54	46	41	36	33	29	57	50	46	41	38	38					
	400	53	42	36	31	27	17		57	47	41	36	33	26	58	49	44	39	36	31	61	53	49	43	41	40	58	49	44	39	36	31	61	53	49	43	41	40				
	500	57	45	39	33	29	19		60	49	44	38	35	28	62	52	47	41	38	33	65	56	52	45	43	42	62	52	47	41	38	33	65	56	52	45	43	42				
	550	*	*	*	*	*	*		62	51	45	39	35	28	64	53	48	41	38	34	67	57	53	46	44	42	64	53	48	41	38	34	67	57	53	46	44	42				
8	350	50	40	34	29	25	21		53	45	40	35	30	27	55	48	43	38	33	30	59	52	49	43	39	35	55	48	43	38	33	30	59	52	49	43	39	35				
	450	54	43	37	31	27	24		57	47	42	36	32	29	59	50	46	39	35	32	62	55	51	45	40	38	59	50	46	39	35	32	62	55	51	45	40	38				
	550	56	45	39	32	28	26		60	50	44	38	34	31	62	52	47	41	37	35	65	57	53	46	42	40	62	52	47	41	37	35	65	57	53	46	42	40				
	700	60	47	41	34	30	29		63	52	46	39	35	34	65	55	50	42	38	37	68	60	55	48	44	42	65	55	50	42	38	37	68	60	55	48	44	42				
	750	*	*	*	*	*	*		64	53	47	40	36	35	66	56	50	43	39	38	69	60	56	48	44	43	66	56	50	43	39	38	69	60	56	48	44	43				
9	400	49	37	32	28	25	19		53	44	37	33	30	28	56	48	41	35	33	33	61	55	46	40	39	41	56	48	41	35	33	33	61	55	46	40	39	41				
	550	52	40	36	31	27	21		57	47	41	35	32	29	60	51	44	38	36	34	64	57	50	43	41	43	60	51	44	38	36	34	64	57	50	43	41	43				
	700	55	42	38	33	28	22		59	49	44	38	34	30	62	53	47	40	37	35	67	59	52	45	43	44	62	53	47	40	37	35	67	59	52	45	43	44				
	900	57	44	41	35	30	23		62	51	47	40	36	32	65	55	50	42	39	37	70	61	55	47	44	45	65	55	50	42	39	37	70	61	55	47	44	45				
	1000	*	*	*	*	*	*		63	52	48	41	36	32	66	56	51	43	39	37	71	62	56	48	45	46	66	56	51	43	39	37	71	62	56	48	45	46				
10	500	49	40	35	29	26	20		54	46	40	35	32	29	57	50	44	38	36	34	62	57	49	43	42	43	57	50	44	38	36	34	62	57	49	43	42	43				
	700	52	42	39	32	28	22		57	49	44	37	34	30	60	52	47	40	37	35	65	59	53	46	43	44	60	52	47	40	37	35	65	59	53	46	43	44				
	900	55	44	41	33	29	23		60	50	47	39	35	31	63	54	50	42	38	36	68	61	56	47	44	45	63	54	50	42	38	36	68	61	56	47	44	45				
	1100	*	*	*	*	*	*		62	52	49	40	36	32	65	56	52	43	39	37	70	62	58	49	45	46	65	56	52	43	39	37	70	62	58	49	45	46				
	1300	*	*	*	*	*	*		64	53	51	41	36	33	67	57	54	44	40	38	72	64	60	50	46	47	67	57	54	44	40	38	72	64	60	50	46	47				
12	700	48	39	35	26	24	20		53	46	39	31	30	28	56	49	41	35	34	33	61	56	46	40	40	41	56	49	41	35	34	33	61	56	46	40	40	41				
	1000	51	43	39	31	27	22		57	49	43	36	33	30	60	52	46	39	36	35	65	59	50	44	42	43	60	52	46	39	36	35	65	59	50	44	42	43				
	1300	54	45	42	34	28	24		60	51	47	39	34	32	63	55	49	42	38	37	68	61	53	48	44	45	63	55	49	42	38	37	68	61	53	48	44	45				
	1600	56	47	45	37	30	25		62	53	49	42	36	33	65	57	52	45	39	38	70	63	56	50	45	46	65	57	52	45	39	38	70	63	56	50	45	46				
	1900	*	*	*	*	*	*		64	54	51	44	37	34	67	58	54	47	40	39	72	64	58	53	46	47	67	58	54	47	40	39	72	64	58	53	46	47				
14	1000	49	42	36	31	29	23		55	49	41	36	34	31	58	52	44	39	37	35	64	58	49	44	42	43	58	52	44	39	37	35	64	58	49	44	42	43				
	1475	53	46	40	34	31	25		59	52	45	39	36	33	62	55	49	42	39	37	68	62	54	47	44	45	62	55	49	42	39	37	68	62	54	47	44	45				
	2100	57	48	44	37	33	27		62	55	49	42	38	34	66	58	53	45	41	39	71	64	58	50	46	46	66	58	53	45	41	39	71	64	58	50	46	46				
	2425	*	*	*	*	*	*		64	56																																