

# Dual Duct Terminal Units

## DPM, DDM Series

### Controller Type – High-Mixing Model



## Typical Selection Guide

Unit Size	Air Flow		Minimum ΔPs Basic Unit		Min. ΔPt. Basic Unit		Discharge NC Basic Unit ΔPs Across Unit			Radiated NC Basic Unit ΔPs Across Unit				
	cfm	L/s	in.w.g	Pa	in.w.g	Pa	0.5 in. in.w.g 125Pa	1.0 in. in.w.g 250Pa	1.5 in. in.w.g 375Pa	3.0 in. in.w.g 750Pa	0.5 in. in.w.g 125Pa	1.0 in. in.w.g 250Pa	1.5 in. in.w.g 375Pa	3.0 in. in.w.g 750Pa
4	75	35	0.06	15	0.10	26	--	--	--	--	--	--	--	--
	100	47	0.10	25	0.18	45	--	--	--	--	--	--	--	--
	150	71	0.21	51	0.39	96	--	--	--	--	--	--	--	24
	200	94	0.35	86	0.67	167	--	20	21	24	--	21	24	28
	225	106	0.43	106	0.84	208	--	22	24	26	--	23	26	30
5	150	71	0.08	20	0.15	38	--	--	--	--	--	--	--	--
	200	94	0.13	32	0.26	64	--	--	--	21	--	--	--	20
	250	118	0.19	47	0.39	97	--	20	22	25	--	--	--	23
	300	142	0.25	63	0.55	136	--	--	21	25	--	--	--	26
	350	165	0.33	82	0.73	181	--	22	24	27	--	--	22	28
6	200	94	0.12	30	0.18	45	--	--	--	21	--	--	--	21
	250	118	0.18	45	0.27	68	--	--	20	24	--	--	--	23
	300	142	0.25	62	0.38	95	--	--	--	23	--	--	--	26
	350	165	0.33	81	0.51	127	--	--	21	25	--	--	22	28
	400	189	0.41	103	0.65	162	--	21	23	27	--	--	23	30
7	200	94	0.06	15	0.09	22	--	--	--	--	--	--	--	--
	300	142	0.13	33	0.20	51	--	--	--	21	--	--	--	23
	400	189	0.24	59	0.36	90	--	--	21	26	--	--	22	28
	500	236	0.37	92	0.57	141	--	23	25	30	--	21	25	32
	550	260	0.45	111	0.68	170	--	24	27	32	--	23	27	33
8	350	165	0.12	30	0.17	43	--	--	20	26	--	--	--	24
	450	212	0.20	50	0.28	71	--	21	24	29	--	--	21	28
	550	260	0.30	74	0.42	106	--	24	27	32	--	--	24	31
	700	330	0.48	119	0.69	171	23	28	31	36	--	24	28	35
	750	354	0.55	137	0.79	196	*	26	29	35	*	25	29	36
9	400	189	0.08	20	0.12	31	--	--	--	23	--	--	--	25
	550	260	0.15	37	0.23	58	--	--	22	28	--	--	--	28
	700	330	0.24	60	0.38	94	--	23	26	31	--	--	23	30
	900	425	0.40	100	0.62	155	--	24	27	33	--	21	25	32
	1000	472	0.49	123	0.77	192	20	25	29	34	--	22	26	34
10	500	236	0.11	28	0.15	38	--	--	--	25	--	--	--	26
	700	330	0.22	56	0.31	76	--	20	24	30	--	--	21	29
	900	425	0.37	92	0.51	126	--	22	25	31	--	--	23	31
	1100	519	0.56	139	0.76	189	*	25	28	35	*	21	25	33
	1300	614	0.78	195	1.07	265	*	27	31	37	*	23	27	35
12	700	330	0.08	20	0.12	30	--	--	21	28	--	--	--	30
	1000	472	0.17	41	0.24	61	--	--	23	31	--	--	23	33
	1300	614	0.28	69	0.41	102	--	23	27	35	--	20	26	36
	1600	755	0.42	104	0.62	154	--	26	30	38	--	22	28	38
	1900	897	0.59	146	0.87	217	*	28	33	40	*	24	30	39
14	1000	472	0.13	33	0.18	44	--	--	--	27	--	--	25	35
	1475	696	0.29	71	0.38	95	--	21	26	33	--	25	31	41
	2100	991	0.58	144	0.77	193	*	27	31	39	*	30	36	46
	2425	1144	0.77	192	1.03	257	*	29	34	41	*	32	38	48
	2900	1369	1.10	275	1.47	367	*	*	37	44	*	*	40	51
16	1200	566	0.08	20	0.12	29	--	--	--	23	--	--	24	32
	1775	838	0.18	44	0.26	64	--	--	22	29	--	24	29	37
	2350	1109	0.31	76	0.44	110	--	22	26	33	--	28	33	41
	2800	1321	0.43	107	0.63	156	--	25	29	36	22	30	35	43
	3500	1652	0.66	165	0.97	242	*	28	32	39	*	33	38	46

### Performance Notes:

- NCs are derived from sound power levels, which are obtained in accordance with AHRI Standard 880-2011 and ASHRAE Standard 130-2008.
- NCs are derived from sound power levels which include duct end corrections per AHRI Standard 880-2011. Please refer to page F25 for more details.
- Blank spaces (-) indicate NCs less than 20.
- Asterisks (\*) indicate minimum static pressure of the unit exceeds the minimum operating pressure across the unit.
- Air flow is given in L/s and cfm.
- 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.
- For a detailed explanation of static and total pressure drop refer to page F64.
- Pressure is given in Pa and in. w.g.
- 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

# Dual Duct Terminal Units

## DPM, DDM Series

### Controller Type – High-Mixing Model



## Discharge Sound Data

TERMINAL UNITS

Unit Size		Sound Power Levels Lw dB re 10 <sup>-12</sup> Watts																														
		0.5 in. w.g. [125 Pa]							1.0 in. w.g. [250 Pa]							1.5 in. w.g. [375 Pa]							3.0 in. w.g. [750 Pa]									
		Octave Band							Octave Band							Octave Band							Octave Band									
Air Flow		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	
<b>4</b>	35	75	48	30	--	--	--	50	32	--	--	--	51	33	--	--	--	53	35	27	--	--	--	53	35	27	--	--	--			
	47	100	52	35	27	26	--	54	37	29	27	20	--	55	38	30	27	21	18	57	39	32	28	23	21	57	39	32	28	23	21	
	71	150	58	42	34	35	30	23	60	44	36	36	32	26	61	45	37	37	32	28	63	46	39	38	34	31	63	46	39	38	34	31
	94	200	62	47	39	42	38	30	64	49	41	43	40	33	65	50	42	43	40	35	67	51	44	44	42	38	67	51	44	44	42	38
	106	225	64	49	41	44	41	33	66	51	43	45	43	36	67	52	44	46	44	38	69	53	46	47	45	41	69	53	46	47	45	41
<b>5</b>	71	150	55	37	28	26	19	--	57	40	30	27	20	--	59	41	31	28	21	--	61	44	33	28	22	19	61	44	33	28	22	19
	94	200	59	41	33	33	27	20	61	44	35	33	28	22	63	46	36	34	29	24	65	48	38	35	30	26	65	48	38	35	30	26
	118	250	62	45	36	37	33	26	64	47	38	38	35	28	66	49	39	39	35	29	68	52	41	40	36	31	68	52	41	40	36	31
	142	300	64	47	39	41	38	30	67	50	41	42	40	32	68	52	43	43	40	34	71	55	45	44	42	36	71	55	45	44	42	36
	165	350	66	50	42	45	43	34	69	53	44	46	44	36	70	54	45	46	45	37	73	57	47	47	46	40	73	57	47	47	46	40
<b>6</b>	94	200	57	41	30	28	22	26	60	45	32	29	24	29	62	47	34	30	25	31	65	51	36	31	27	34	65	51	36	31	27	34
	118	250	59	45	34	33	28	29	63	48	36	34	30	32	64	50	38	35	31	34	67	54	40	36	33	37	67	54	40	36	33	37
	142	300	62	47	37	37	33	32	65	51	39	38	35	35	67	53	41	39	36	36	70	56	43	40	38	39	70	56	43	40	38	39
	165	350	63	49	39	41	37	34	67	53	42	42	39	37	68	55	43	43	40	38	71	58	46	44	42	41	71	58	46	44	42	41
	189	400	65	51	42	44	40	36	68	55	44	45	42	39	70	57	46	46	43	40	73	60	48	47	45	43	73	60	48	47	45	43
<b>7</b>	94	200	53	41	32	25	--	--	56	44	33	25	--	--	59	46	33	25	--	--	62	48	35	25	--	--	62	48	35	25	--	--
	142	300	58	47	39	36	30	21	62	50	40	35	29	22	64	51	41	35	29	22	68	54	42	35	29	22	68	54	42	35	29	22
	189	400	62	51	44	43	38	32	66	54	46	43	38	33	68	56	46	43	38	33	72	58	47	43	38	33	72	58	47	43	38	33
	236	500	66	55	49	49	45	41	69	57	50	49	45	41	71	59	50	49	45	41	75	61	52	49	45	42	75	61	52	49	45	42
	260	550	67	56	50	51	48	45	71	59	51	51	48	45	73	60	52	51	48	45	76	63	53	51	48	45	76	63	53	51	48	45
<b>8</b>	165	350	61	48	39	37	32	26	65	53	42	38	34	28	67	55	44	39	34	29	71	60	47	41	36	31	71	60	47	41	36	31
	212	450	64	51	43	42	38	32	68	55	46	43	40	34	70	58	48	44	41	35	74	63	51	46	42	38	74	63	51	46	42	38
	260	550	66	53	45	46	43	37	70	58	49	47	45	39	73	61	50	48	45	40	77	65	54	50	47	43	77	65	54	50	47	43
	330	700	69	56	49	50	49	43	73	61	52	52	50	45	76	63	54	53	51	46	80	68	57	54	53	48	80	68	57	54	53	48
	354	750	* * *	* * *	* * *	* * *	* * *	* * *	74	62	53	53	52	47	76	64	55	54	53	48	80	69	58	56	54	50	80	69	58	56	54	50
<b>9</b>	189	400	59	45	38	33	31	24	63	49	41	34	31	25	65	51	43	34	31	26	70	55	46	35	32	27	70	55	46	35	32	27
	260	550	62	48	42	39	38	31	67	52	45	40	39	33	69	55	47	41	39	34	73	59	51	42	39	35	73	59	51	42	39	35
	330	700	65	51	46	44	44	37	69	55	49	45	44	39	72	57	51	46	45	40	76	61	54	47	45	41	76	61	54	47	45	41
	425	900	68	54	50	49	50	44	72	58	53	50	50	45	75	60	55	51	51	46	79	64	58	52	51	47	79	64	58	52	51	47
	472	1000	69	55	51	51	52	46	73	59	54	52	53	48	76	61	56	53	53	48	80	65	59	54	54	50	80	65	59	54	54	50
<b>10</b>	236	500	58	44	38	31	30	22	63	49	42	32	30	24	66	52	44	33	31	25	71	57	47	34	32	27	71	57	47	34	32	27
	330	700	62	48	44	38	38	33	67	53	47	40	39	34	70	56	49	40	39	35	75	61	53	42	40	37	75	61	53	42	40	37
	425	900	66	51	48	44	44	41	70	56	51	45	45	42	73	59	53	46	45	43	78	64	57	47	46	45	78	64	57	47	46	45
	519	1100	* * *	* * *	* * *	* * *	* * *	* * *	73	58	54	50	50	48	76	61	56	51	50	49	81	66	60	52	51	51	81	66	60	52	51	51
	614	1300	* * *	* * *	* * *	* * *	* * *	* * *	75	60	57	54	54	53	78	63	59	54	54	54	83	68	62	56	55	56	83	68	62	56	55	56
<b>12</b>	330	700	58	44	35	32	26	23	64	50	39	32	27	24	68	53	41	33	28	24	73	59	44	34	30	26	73	59	44	34	30	26
	472	1000	63	48	40	39	35	30	68	53	44	40	36	31	72	57	46	41	37	32	78	62	49	42	39	33	78	62	49	42	39	33
	614	1300	66	51	44	45	41	36	71	56	48	46	43	37	75	59	50	46	44	37	81	65	53	47	45	38	81	65	53	47	45	38
	755	1600	68	53	47	49	47	40	74	58	51	50	48	41	77	62	53	51	49	42	83	67	56	52	50	43	83	67	56	52	50	43
	897	1900	* * *	* * *	* * *	* * *	* * *	* * *	76	60	53	54	52	45	79	63	55	55	53	45	85	69	58	55	55	46	85	69	58	55	55	46
<b>14</b>	472	1000	59	46	41	36	32	26	65	52	45	38	34	28	69	55	46	39	35	30	74	61	50	40	37	32	74	61	50	40	37	32
	696	1475	64	51	49	45	41	36	70	56	52	47	43	38	74	60	54	47	44	39	79	65	57	49	47	42	79	65	57	49	47	42
	991	2100	* * *	* * *	* * *	* * *	* * *	* * *	75	60	59	55	51	47	78	64	60	55	53	49	84	69	64	57	55	51	84	69	64	57	55	51
	1144	2425	* * *	* * *	* * *	* * *	* * *	* * *	76	62	61	58	55	51	80	65	63	59	56	52	86	71	67	60	58	54	86	71	67	60	58	54
	1369	2900	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	82	67	67	63	60	57	88	73	70	64	62	59	88	73	70	64	62	59
<b>16</b>	566	1200	57	47	40	36	30	23	63	52	42	37	32	27	66	55	43	38	33	29	72	60	45	40	35	33	72	60	45	40	35	33
	838	1775	62	51	48	43	38	32	68	56	50	45	41	36	71	59	51	46	42	38	76	64	53	47	44	42	76	64	53	47	44	42
	1109	2350	65	54	53	48	44	39	71	60	56	50	47	42	74	63	57	51	48	44	80	68	59	53	50	48	80	68	59	53	50	48
	1321	2800	67	56	57	52	48	43	73	61	59	53	51	46	76	64	60	54	52	48	82	70	63	56	54	52	82	70	63	56	54	52
	1652	3500	* * *	* * *	* * *	* * *	* * *	* * *	76	64	64	58	56	52	79	67	65	58														

# Dual Duct Terminal Units

## DPM, DDM Series

### Controller Type – High-Mixing Model



## Radiated Sound Data

Unit Size		Air Flow L/s    cfm		Sound Power Levels Lw dB re 10 <sup>-12</sup> Watts																											
				0.5 in. w.g. [125 Pa]							1.0 in. w.g. [250 Pa]							1.5 in. w.g. [375 Pa]							3.0 in. w.g. [750 Pa]						
				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	75	42	36	--	--	--	--	45	39	31	22	20	--	47	42	34	25	21	--	50	45	39	29	23	--					
	47	100	46	40	28	22	22	20	49	43	34	26	24	21	51	46	37	29	25	22	54	49	42	33	28	23					
	71	150	51	45	33	28	28	29	55	49	38	32	30	31	56	51	41	34	31	31	60	55	46	38	34	33					
	94	200	55	49	36	32	32	36	59	53	41	36	35	37	60	55	44	38	36	38	64	59	49	42	38	39					
	106	225	57	51	37	33	34	39	60	54	42	37	36	40	62	57	45	40	38	41	65	60	50	44	40	42					
5	71	150	44	36	28	--	--	--	48	41	34	26	21	--	50	44	37	28	23	--	54	49	43	33	26	19					
	94	200	47	40	31	25	23	18	51	44	37	30	26	20	53	47	40	32	27	22	57	52	46	37	30	24					
	118	250	50	42	33	28	27	22	53	47	39	32	29	25	56	50	42	35	31	26	59	55	48	39	34	29					
	142	300	52	44	34	30	29	26	55	49	40	35	32	29	58	52	44	37	34	30	61	57	50	42	36	33					
	165	350	53	46	36	32	32	29	57	51	42	37	34	32	59	53	45	39	36	33	63	58	51	44	39	36					
6	94	200	46	39	30	23	23	20	50	44	36	28	25	22	53	47	40	31	26	24	56	52	46	37	29	26					
	118	250	48	41	32	26	25	22	52	46	38	31	27	24	55	49	42	34	29	25	58	55	48	39	31	28					
	142	300	50	43	33	28	27	23	54	48	40	33	29	26	56	51	43	36	31	27	60	57	49	41	33	29					
	165	350	51	45	35	29	29	25	55	50	41	35	31	27	58	53	45	38	33	28	62	58	51	43	35	30					
	189	400	53	46	36	31	30	26	57	52	42	36	33	28	59	55	46	39	34	29	63	60	52	44	36	31					
7	94	200	43	30	28	25	25	22	48	36	33	28	28	25	50	39	35	30	29	27	55	45	39	32	32	31					
	142	300	48	36	32	28	27	23	53	41	36	31	30	27	56	44	39	33	32	29	61	50	43	35	35	32					
	189	400	51	39	35	30	29	24	56	45	39	33	32	28	59	48	41	35	33	30	64	53	45	37	36	33					
	236	500	54	42	37	32	30	25	59	48	41	35	33	29	62	51	43	36	35	31	67	56	47	39	38	34					
	260	550	56	43	37	33	31	26	61	49	42	35	34	29	63	52	44	37	35	31	68	57	48	40	38	34					
8	165	350	47	34	33	28	27	20	52	40	38	31	29	22	56	44	40	32	30	22	61	50	44	35	31	24					
	212	450	50	37	35	30	28	24	56	43	39	32	30	25	59	47	42	34	31	26	64	53	46	37	33	27					
	260	550	53	39	37	31	29	27	58	45	41	34	31	28	61	49	44	35	32	29	67	55	48	38	34	30					
	330	700	56	42	39	33	31	31	61	48	43	35	32	32	64	52	45	37	33	33	70	58	50	39	35	34					
	354	750	* * *	* * *	* * *	* * *	* * *	62	49	43	36	33	33	65	52	46	37	34	34	71	58	50	40	35	35						
9	189	400	47	40	35	29	25	21	52	46	39	33	28	26	55	50	41	35	30	29	61	56	45	39	33	34					
	260	550	49	41	37	31	26	22	55	48	41	35	30	27	58	52	43	37	31	30	64	58	47	41	35	35					
	330	700	51	43	39	32	27	22	57	49	43	36	31	27	60	53	45	38	32	30	66	60	49	42	36	35					
	425	900	54	44	40	34	29	23	59	51	44	37	32	28	62	54	47	39	34	31	68	61	51	43	37	36					
	472	1000	54	45	41	34	29	23	60	51	45	38	32	28	63	55	47	40	34	31	69	62	51	44	37	36					
10	236	500	46	39	30	24	19	17	52	46	36	29	24	22	55	50	39	32	27	25	61	57	45	38	31	30					
	330	700	49	41	34	27	21	18	55	48	39	32	26	23	58	52	42	35	29	26	64	59	48	40	33	31					
	425	900	51	43	36	28	23	19	57	50	42	34	27	24	61	54	45	37	30	27	66	61	50	42	34	32					
	519	1100	* * *	* * *	* * *	* * *	* * *	59	51	44	35	28	24	62	55	47	38	31	27	68	62	52	43	36	32						
	614	1300	* * *	* * *	* * *	* * *	* * *	60	52	45	36	29	25	64	56	49	39	32	28	70	64	54	44	36	33						
12	330	700	46	38	33	25	22	22	54	45	38	30	27	29	58	49	41	33	29	33	66	56	45	38	34	40					
	472	1000	49	41	36	28	24	24	56	48	41	33	29	31	61	52	43	35	32	35	68	59	48	40	37	42					
	614	1300	51	43	38	30	26	25	58	50	43	35	30	32	63	54	46	38	33	36	70	62	50	42	38	43					
	755	1600	52	44	40	31	27	26	60	52	44	36	32	33	64	56	47	39	35	37	72	63	52	44	39	44					
	897	1900	* * *	* * *	* * *	* * *	* * *	61	53	46	38	33	34	66	57	49	40	36	38	73	65	53	45	40	45						
14	472	1000	49	38	33	25	20	--	57	46	39	30	25	21	62	50	42	33	27	23	70	58	48	39	32	27					
	696	1475	54	41	38	29	24	20	62	48	43	34	29	24	66	53	47	37	32	27	74	60	52	43	37	31					
	991	2100	* * *	* * *	* * *	* * *	* * *	66	51	48	38	33	27	70	55	51	41	36	30	78	63	56	46	41	34						
	1144	2425	* * *	* * *	* * *	* * *	* * *	67	52	49	39	34	28	72	56	52	42	37	31	80	64	58	48	42	35						
	1369	2900	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	74	57	55	44	39	33	82	65	60	50	44	37							
16	566	1200	51	42	36	29	23	--	57	48	41	34	27	21	61	52	44	36	29	23	68	58	49	41	33	28					
	838	1775	55	46	40	33	28	20	61	52	45	38	32	25	65	55	48	40	34	28	72	61	53	45	38	33					
	1109	2350	58	48	43	36	31	24	64	54	48	41	35	29	68	58	51	43	37	32	74	64	56	47	41	37					
	1321	2800	59	50	45	38	33	26	66	56	50	42	37	31	70	59	53	45	39	34	76	65	58	49	43	39					
	1652	3500	* * *	* * *	* * *	* * *	* * *	68	58	53	45	40	34	72	61	56	47	42	36	78	67	61	52	46	41						

### Performance Notes:

- Test data obtained in accordance with AHRI Standard 880-2011 and ASHRAE Standard 130-2008.
- Sound power levels include duct end corrections per AHRI Standard 880-2011. Please refer to page F25 for more details.
- Air flow given in L/s and cfm.
- Pressure is given in Pa and in. w.g.
- AHRI certified data is highlighted in blue. All other data are application ratings.
- Application ratings are outside the scope of the AHRI 880 Certification Program.
- Asterisks (\*) indicate minimum static pressure of the unit exceeds the minimum operating pressure across the unit.
- 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.

# Dual Duct Terminal Units

## DPS, DDS, DPM, DDM Series

## DPO, DDO, DPOVQ, DDOVQ Series

### Controller Type



## AHRI Certification Rating Points

TERMINAL UNITS

**DPS, DDS - Standard Model**

Unit Size	Rated Air Flow		Minimum Operating Pressure Required		Radiated Sound Power Level, dB at 1.5 in. w.g. [375 Pa]						Discharge Sound Power Level, dB at 1.5 in. w.g. [375 Pa]					
	L/s	cfm	Pa.	in. Water	Octave Band						Octave Band					
					2	3	4	5	6	7	2	3	4	5	6	7
4	71	150	67	0.27	50	44	43	37	34	30	65	56	49	39	41	37
5	118	250	80	0.32	55	47	45	37	34	30	69	60	53	45	46	43
6	189	400	177	0.71	59	50	47	38	34	30	76	65	60	50	51	51
7	260	550	144	0.58	64	53	48	41	38	34	78	69	63	54	55	52
8	330	700	142	0.57	65	55	50	42	38	37	78	69	63	56	56	54
9	425	900	129	0.52	65	55	50	42	39	37	78	68	63	56	56	55
10	519	1100	134	0.54	65	56	52	43	39	37	79	68	64	57	57	56
12	755	1600	119	0.48	65	57	52	45	39	38	78	68	66	57	58	58
14	991	2100	102	0.41	66	58	53	45	41	39	77	69	66	57	59	61
16	1321	2800	149	0.60	66	58	55	46	43	43	76	69	66	58	59	61

**DPO, DDO - Quiet Model**

Unit Size	Rated Air Flow		Minimum Operating Pressure Required		Radiated Sound Power Level, dB at 1.5 in. w.g. [375 Pa]						Discharge Sound Power Level, dB at 1.5 in. w.g. [375 Pa]					
	L/s	cfm	Pa.	in. Water	Octave Band						Octave Band					
					2	3	4	5	6	7	2	3	4	5	6	7
4	71	150	57	0.23	51	45	44	37	34	30	60	51	42	26	22	19
5	118	250	72	0.29	57	48	45	38	35	30	67	57	47	32	25	20
6	189	400	159	0.64	62	51	47	39	36	32	73	62	54	37	29	25
7	260	550	129	0.52	64	55	50	43	39	36	75	66	56	40	31	33
8	330	700	124	0.5	64	56	51	44	39	36	76	67	57	43	33	35
9	425	900	107	0.43	65	57	52	44	39	37	76	66	57	43	34	41
10	519	1100	114	0.46	65	58	52	45	39	37	77	66	57	43	35	43
12	755	1600	105	0.42	65	59	52	45	39	37	77	66	57	45	41	46
14	991	2100	107	0.43	68	60	55	47	43	41	74	67	58	45	47	53
16	1321	2800	142	0.57	68	60	57	48	45	45	73	67	59	47	50	53

**DPM, DDM - High-Mixing Model**

Unit Size	Rated Air Flow		Minimum Operating Pressure Required		Radiated Sound Power Level, dB at 1.5 in. w.g. [375 Pa]						Discharge Sound Power Level, dB at 1.5 in. w.g. [375 Pa]					
	L/s	cfm	Pa.	in. Water	Octave Band						Octave Band					
					2	3	4	5	6	7	2	3	4	5	6	7
4	71	150	52	0.21	56	51	41	34	31	31	61	45	37	37	32	28
5	118	250	47	0.19	56	50	42	35	31	26	66	49	39	39	35	29
6	189	400	102	0.41	59	55	46	39	34	29	70	57	46	46	43	40
7	260	550	109	0.44	63	52	44	37	35	31	73	60	52	51	48	45
8	330	700	122	0.49	64	52	45	37	33	33	76	63	54	53	51	46
9	425	900	100	0.4	62	54	47	39	34	31	75	60	55	51	51	46
10	519	1100	137	0.55	62	55	47	38	31	27	76	61	56	51	50	49
12	755	1600	92	0.37	64	56	47	39	35	37	77	62	53	51	49	42
14	991	2100	129	0.52	70	55	51	41	36	30	78	64	60	55	53	49
16	1321	2800	109	0.44	70	59	53	45	39	34	76	64	60	54	52	48

**DPOVQ, DDOVQ - Ultra Quiet Model**

Unit Size	Rated Air Flow		Minimum Operating Pressure Required		Radiated Sound Power Level, dB at 1.5 in. w.g. [375 Pa]						Discharge Sound Power Level, dB at 1.5 in. w.g. [375 Pa]					
	L/s	cfm	Pa.	in. Water	Octave Band						Octave Band					
					2	3	4	5	6	7	2	3	4	5	6	7
4	71	150	2	0.01	57	45	41	34	30	26	62	47	35	22	24	27
5	118	250	15	0.06	60	46	42	36	33	31	64	49	35	23	29	33
6	189	400	124	0.50	61	49	45	38	36	34	69	56	43	30	34	37
7	260	550	109	0.44	64	54	47	42	37	32	73	60	45	33	37	39
8	330	700	112	0.45	64	53	48	43	39	35	73	60	45	36	39	40
9	425	900	97	0.39	63	54	48	45	41	37	74	59	45	37	41	42
10	519	1100	100	0.40	64	56	49	46	42	37	76	60	47	39	43	46
12	755	1600	90	0.36	65	56	51	45	43	40	70	60	47	41	45	48
14	991	2100	90	0.36	68	59	55	46	43	39	72	60	49	43	48	51
16	1321	2800	134	0.54	69	60	53	47	43	38	71	59	47	42	44	45

**Performance Notes:**

1. L/s, liters per second.
2. cfm, cubic feet per minute.
3. Pa, Pascals gauge.
4. Sound power levels expressed in decibels, (dB) re 10<sup>-12</sup> watts.
5. Sound power levels include duct end corrections per AHRI Standard 880-2011. Please refer to page F25 for more details.