

PERFORMANCE DATA

FDU Booster Configuration

Radiated Sound Power Levels

Unit Size	Fan Airflow	Sound Power Levels, Lw, dB re 10 ⁻¹² Watts					
		Fan Only Octave Band					
		2	3	4	5	6	7
10	CFM						
	150	48	52	54	50	47	37
	250	51	54	56	53	50	42
	350	56	56	58	57	54	48
20	450	60	59	60	60	58	53
	300	54	54	54	51	43	33
	500	62	61	59	58	51	42
	700	69	67	64	64	58	49
30	900	73	72	69	69	64	56
	300	51	52	54	49	41	29
	600	60	59	60	58	50	39
	900	69	68	66	65	59	49
40	1100	75	73	70	70	64	55
	300	55	52	55	49	40	27
	700	63	58	61	57	49	38
	1100	71	65	66	65	57	48
50	1500	79	72	70	71	65	57
	600	55	55	58	54	45	33
	1000	61	59	62	59	51	40
	1400	66	63	65	64	56	46
	1700	70	66	68	67	60	50

Performance Notes:

1. Test data obtained in accordance with AHRI Standard 880-2011 and ASHRAE Standard 130-2016.
2. Sound Power Levels expressed in decibels (dB) re 10⁻¹² watts
3. Data is raw without any corrections for Room Absorption, duct attenuation, or ceiling transmission loss.
4. Fan external static pressure is 0.25" W.G. in all cases.

Discharge Sound Power Levels

Unit Size	Fan Airflow	Sound Power Levels, Lw, dB re 10 ⁻¹² Watts					
		Fan Only Octave Band					
		2	3	4	5	6	7
10	CFM						
	150	53	53	53	50	45	38
	250	58	57	57	55	51	47
	350	62	61	60	59	55	53
20	450	66	65	64	62	59	58
	300	61	59	56	55	51	47
	500	69	67	64	63	60	59
	700	76	74	70	70	68	67
30	900	81	80	76	76	74	74
	300	56	56	55	53	48	43
	600	66	65	63	61	58	55
	900	75	75	70	70	67	66
40	1100	81	80	75	75	73	72
	300	59	55	55	51	47	40
	700	68	64	62	60	56	54
	1100	78	73	69	68	65	64
50	1500	86	80	75	75	73	73
	600	56	55	58	54	50	44
	1000	63	61	63	60	57	53
	1400	69	67	67	66	63	61
	1700	73	71	71	69	67	65

Performance Notes:

1. Test data obtained in accordance with AHRI Standard 880-2011 and ASHRAE Standard 130-2016.
2. Sound Power Levels expressed in decibels (dB) re 10⁻¹² watts
3. Data is raw without any corrections for Room Absorption, duct attenuation, or ceiling transmission loss.
4. Fan external static pressure is 0.25" W.G. in all cases.

PERFORMANCE DATA

FDU Terminal Configuration AHRI 880 Certification Rating Points

Discharge

Unit Size	(2) Fan CFM	(3) Input Watts	(4) Min. Δ Ps Inlet	FAN ONLY (5)						
				2	3	4	5	6	7	
1006	375	66	0.01	65	62	62	60	56	53	
2006	550	160	0.55	73	70	67	67	64	64	
3008	800	201	0.27	75	73	69	68	65	64	
4010	900	152	0.13	74	70	66	64	61	59	

Radiated

Unit Size	(1) Primary CFM	(2) Fan CFM	(3) Input Watts	(4) Min. Δ Ps Inlet	(5) Fan Only							(6) 1.5" Inlet Static w.g.						
					2	3	4	5	6	7	2	3	4	5	6	7		
1006	375	375	66	0.01	56	53	51	50	44	34	65	62	58	54	51	50		
2006	550	550	160	0.55	64	58	56	54	46	39	70	67	64	59	54	54		
3008	800	800	201	0.27	67	61	58	57	48	39	71	67	63	60	57	57		
4010	900	900	152	0.13	70	60	57	56	47	36	71	63	60	58	57	56		

ARI Certification Notes:

1. Primary CFM is the standard rated air volume for the inlet.
2. Fan CFM is the maximum rated fan volume at 0.25" w.g. downstream static pressure.
3. Input watts is the maximum electrical power input at the maximum rated fan volume.
4. Minimum operating pressure inlet is the minimum operating pressure requirement of the primary air valve at the rated primary CFM.
5. Fan only sound power levels are at the maximum rated fan volume.
6. Power levels at the maximum rated fan volume and rated primary CFM at 1.5" w.g. inlet static.

PERFORMANCE DATA

FDU Terminal Configuration

Radiated Sound Power Levels

Unit Size	Inlet Size	Primary Airflow	Fan Airflow	Sound Power Levels, Lw, dB re 10 ⁻¹² Watts																											
				Fan Only							Primary Air																				
				Octave Band							0.5" w.g.							1.0" w.g.							1.5" w.g.						
				2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7				
10	4	150	150	49	48	47	43	37	27	60	55	49	46	43	39	62	57	52	48	47	44	64	58	54	50	49	47				
		250	250	51	50	48	46	40	30	67	62	55	51	48	44	69	64	58	54	52	49	70	65	60	55	54	53				
		375	375	56	53	51	50	44	34	72	67	60	55	51	48	74	69	63	58	55	54	76	70	64	59	57	57				
		450	450	59	56	53	53	46	38	72	67	60	55	51	48	74	69	63	58	55	54	76	70	64	59	57	57				
10	5	150	150	49	48	47	43	37	27	56	52	48	45	42	36	59	54	51	48	46	43	60	56	53	49	49	47				
		250	250	51	50	48	46	40	30	62	58	53	49	45	40	64	60	56	52	49	47	66	61	57	53	52	51				
		375	375	56	53	51	50	44	34	67	62	56	52	48	43	69	65	59	55	52	50	70	66	61	56	54	54				
		450	450	59	56	53	53	46	38	67	62	56	52	48	43	69	65	59	55	52	50	70	66	61	56	54	54				
10	6	150	150	49	48	47	43	37	27	53	50	48	45	40	33	55	52	50	47	45	42	56	53	52	48	48	46				
		250	250	51	50	48	46	40	30	58	54	51	47	42	36	60	56	53	50	47	44	61	58	54	51	50	49				
		375	375	56	53	51	50	44	34	62	57	53	50	44	38	64	60	55	52	49	46	65	62	58	54	51	50				
		450	450	59	56	53	53	46	38	62	57	53	50	44	38	64	60	55	53	49	46	65	61	57	54	52	50				
20	4	200	200	48	47	45	42	31	24	65	55	50	46	43	40	67	58	53	49	47	45	69	60	54	50	48	47				
		300	300	53	50	48	45	35	27	70	61	56	53	48	46	72	64	59	55	51	50	74	66	61	56	53	53				
		400	400	57	53	51	49	39	31	73	66	61	57	52	50	76	69	64	59	55	54	77	71	66	60	57	57				
		800	800	70	65	61	60	53	47	73	66	61	57	52	50	76	69	64	59	55	54	77	71	66	60	57	57				
20	5	200	200	48	47	45	42	31	24	57	49	45	42	38	33	58	52	48	45	44	41	59	53	50	46	47	46				
		375	375	56	52	50	48	38	30	66	58	54	50	44	40	67	61	57	53	49	48	68	63	59	54	53	53				
		500	500	61	56	53	52	43	35	70	63	58	54	46	43	71	65	61	57	52	51	72	67	63	58	55	56				
		800	800	70	65	61	60	53	47	70	63	61	60	53	47	71	65	61	60	53	51	72	67	63	60	55	56				
20	6	200	200	48	47	45	42	31	24	54	48	45	43	39	34	55	51	48	45	43	40	56	53	50	46	46	44				
		375	375	56	52	50	48	38	30	62	56	53	50	44	40	63	59	56	52	48	46	64	61	57	53	51	50				
		550	550	64	58	56	54	46	39	67	61	57	54	47	44	68	64	60	56	51	50	70	67	64	59	54	54				
		800	800	70	65	61	60	53	47	70	65	61	60	53	47	70	64	60	53	50	70	66	62	60	54	54	54				
30	5	350	350	55	50	48	45	35	26	60	57	52	50	44	43	64	61	56	53	48	48	66	64	59	54	51	52				
		500	500	59	54	52	49	39	30	63	61	57	55	48	47	67	66	62	58	52	53	69	68	64	60	55	56				
		800	800	67	61	58	57	48	39	67	61	58	57	48	47	67	66	62	58	52	53	69	68	64	60	55	56				
		1000	1000	72	66	62	61	53	45	72	66	62	61	53	47	72	66	62	61	53	53	72	68	64	61	53	56				
30	6	350	350	55	50	48	45	35	26	58	55	52	49	44	41	62	59	56	52	49	48	64	62	58	54	52	52				
		550	550	60	55	53	51	41	31	63	60	56	54	47	45	66	64	60	57	52	52	69	67	63	59	55	56				
		800	800	67	61	58	57	48	39	67	61	58	57	48	47	67	66	62	58	52	53	69	68	64	60	55	56				
		1000	1000	72	66	62	61	53	45	72	66	62	61	53	45	72	66	62	61	53	52	72	67	63	61	55	56				
30	8	350	350	55	50	48	45	35	26	55	51	48	46	43	38	58	54	51	48	46	43	59	56	52	49	48	46				
		550	550	60	55	53	51	41	31	62	57	54	52	48	44	64	60	56	54	51	49	66	62	58	55	53	52				
		800	800	67	61	58	57	48	39	67	63	58	57	52	48	70	65	61	59	55	54	71	67	63	60	57	57				
		1000	1000	72	66	62	61	53	45	72	66	62	61	53	48	72	66	62	61	55	54	72	67	63	61	57	57				
40	6	350	350	56	49	48	44	34	26	60	55	52	49	45	43	62	59	55	52	51	51	64	61	57	54	54	55				
		550	550	61	53	52	48	38	29	63	59	55	52	48	47	66	62	59	55	53	54	67	65	61	57	57	59				
		800	1100	72	63	60	58	49	39	72	63	60	58	49	47	72	63	60	58	53	54	72	65	61	58	57	59				
		1600	1600	81	72	67	66	59	50	81	72	67	66	59	50	81	72	67	66	59	54	81	72	67	66	60	59				
40	8	600	600	62	54	52	49	39	29	65	58	54	52	47	44	66	61	58	55	53	52	67	62	59	57	56	57				
		900	900	68	59	57	55	45	35	70	62	57	55	50	47	72	64	60	58	55	55	72	6	6	62	60	58				
		1100	1100	72	63	60	58	49	39	73	64	59	57	51	49	75	66	62	60	56	57	75	68	63	62	60	61				
		1600	1600	81	72	67	66	59	50	81	72	67	66	59	50	81	72	67	66	59	57	81	72	67	66	60	61				
40	10	600	600	62	54	52	49	39	29	62	55	53	51	46	41	63	58	56	54	52	49	64	59	5	7	55	54				
		900	900	70	60	57	56	47	36	68	59	55	54	49	44	69	61	58	57	54	52	71	63	60	58	57	56				
		1100	1100	72	63	60	58	49	39	71	61	57	56	50	46	72	63	60	59	55	54	73	65	62	60	59	59				
		1600	1600	81	72	67	66	59	50	81	72	67	66	59	50	81	72	67	66	59	54	81	72	67	66	60	59				

Performance Notes:

1. Test data obtained in accordance with AHRI Standard 880-2011 and ASHRAE Standard 130-2016.
2. Sound Power Levels expressed in decibels (dB) re 10⁻¹² watts
3. Data is raw without any corrections for Room Absorption, duct attenuation, or ceiling transmission loss.
4. Fan external static pressure is 0.25" W.G. in all cases.

PERFORMANCE DATA

FDU Terminal Configuration

Discharge Sound Power Levels

Unit Size	Inlet Size	Primary Airflow	Fan Airflow	Sound Power Levels, Lw, dB re 10 ⁻¹² Watts																											
				Fan Only							Primary Air																				
				Octave Band							0.75" w.g.							1.0" w.g.							1.5" 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				
Inch	CFM	CFM	2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7					
10	4	150	150	55	54	53	50	45	38	63	59	53	50	45	38	65	62	54	51	46	39	67	63	55	51	46	40				
		250	250	60	58	57	55	50	45	69	66	58	55	50	45	71	68	59	55	51	46	73	70	59	56	51	47				
		375	375	65	62	62	60	56	53	74	71	61	59	54	51	76	73	62	59	55	52	78	75	63	59	55	53				
		450	450	67	65	64	62	58	56	74	71	64	62	58	56	76	73	64	62	58	56	78	75	64	62	58	56				
10	5	150	150	55	54	53	50	45	38	59	57	53	50	45	38	61	59	54	51	46	39	62	60	54	51	46	40				
		250	250	60	58	57	55	50	45	65	62	58	55	50	45	67	64	58	55	51	46	68	65	59	55	51	47				
		375	375	65	62	62	60	56	53	70	66	61	59	54	51	71	69	62	59	54	52	72	70	62	59	55	53				
		450	450	67	65	64	62	58	56	70	66	64	62	58	56	71	69	64	62	58	56	72	70	64	62	58	56				
10	6	150	150	55	54	53	50	45	38	56	54	53	50	45	38	57	56	54	50	46	39	58	57	54	51	46	39				
		250	250	60	58	57	55	50	45	61	58	57	55	50	45	62	60	58	55	50	46	63	61	58	55	51	47				
		375	375	65	62	62	60	56	53	65	62	60	58	54	51	67	64	61	59	54	52	67	65	61	59	55	52				
		450	450	67	65	64	62	58	56	67	65	64	62	58	56	67	65	64	62	58	56	67	65	64	62	58	56				
20	4	200	200	55	54	53	52	48	42	70	65	53	50	46	39	68	63	52	50	46	39	67	62	52	50	46	39				
		300	300	61	59	57	56	53	49	75	71	58	56	52	48	73	69	58	56	52	48	72	68	58	56	52	48				
		400	400	65	63	61	60	57	55	78	75	62	60	57	54	77	73	62	60	57	54	75	72	61	60	57	54				
		800	800	79	77	74	74	72	72	78	75	74	74	72	72	77	73	74	74	72	72	75	72	74	74	72	72				
20	5	200	200	55	54	53	52	48	42	62	58	52	50	45	39	62	59	52	50	45	39	62	60	52	50	46	39				
		375	375	64	62	60	59	56	54	71	67	61	59	56	53	71	68	61	59	56	53	72	69	61	59	56	53				
		500	500	69	67	64	64	61	60	75	71	64	64	61	60	76	72	65	64	61	60	76	73	65	64	61	59				
		800	800	79	77	74	74	72	72	79	77	74	74	72	72	79	77	74	74	72	72	79	77	74	74	72	72				
20	6	200	200	55	54	53	52	48	42	56	54	52	50	45	39	56	55	52	49	45	39	57	56	52	49	45	39				
		375	375	64	62	60	59	56	54	66	62	60	59	56	53	66	63	60	59	56	53	66	64	60	59	56	53				
		550	550	73	70	67	67	64	64	72	67	65	65	62	61	72	69	65	65	62	61	72	69	65	65	62	61				
		800	800	79	77	74	74	72	72	79	77	74	74	72	72	79	77	74	74	72	72	79	77	74	74	72	72				
30	5	350	350	60	58	57	54	50	46	63	61	56	53	49	43	65	64	57	54	49	44	67	66	57	54	50	44				
		500	500	66	63	61	59	55	52	67	64	60	58	54	51	69	68	61	59	54	51	71	70	62	59	55	52				
		500	800	75	72	68	68	65	63	75	72	68	68	65	63	75	72	68	68	65	63	75	72	68	68	65	63				
		500	1000	80	78	73	73	70	70	80	78	73	73	70	70	80	78	73	73	70	70	80	78	73	73	70	70				
30	6	350	350	60	58	57	54	50	46	63	60	57	55	51	46	65	63	58	55	51	46	67	65	58	56	51	47				
		550	550	67	65	62	61	57	54	68	65	61	59	55	53	70	68	62	60	55	53	71	70	62	60	56	53				
		550	800	75	72	68	68	65	63	75	72	68	68	65	63	75	72	68	68	65	63	75	72	68	68	65	63				
		550	1000	80	78	73	73	70	70	80	78	73	73	70	70	80	78	73	73	70	70	80	78	73	73	70	70				
30	8	350	350	60	58	57	54	50	46	61	58	56	53	49	45	62	59	56	53	49	45	63	59	56	53	49	45				
		550	550	67	65	62	61	57	54	69	66	63	61	58	55	70	67	63	61	58	55	70	68	63	61	58	55				
		800	800	75	73	69	68	65	64	75	73	69	68	65	63	76	74	69	68	65	63	77	75	69	68	65	64				
		800	1000	80	78	73	73	70	70	80	78	73	73	70	70	80	78	73	73	70	70	80	78	73	73	70	70				
40	6	350	350	60	56	55	51	46	39	63	58	55	52	48	43	65	61	56	53	48	44	66	63	56	53	49	44				
		550	550	65	61	59	56	52	47	66	61	57	55	51	47	68	64	58	55	51	48	69	66	58	55	51	48				
		550	1100	77	73	69	67	64	62	77	73	69	67	64	62	77	73	69	67	64	62	77	73	69	67	64	62				
		550	1600	86	83	77	76	74	73	86	83	77	76	74	73	86	83	77	76	74	73	86	83	77	76	74	73				
40	8	600	600	66	62	60	57	53	49	68	65	60	58	54	51	69	66	60	58	54	51	70	66	61	58	55	52				
		900	900	73	69	65	63	60	57	74	71	64	63	60	60	76	72	65	64	61	60	76	72	65	64	61	60				
		1100	1100	77	73	69	67	64	62	77	74	66	66	63	64	79	74	67	66	64	64	79	75	67	66	64	65				
		1100	1600	86	83	77	76	74	73	86	83	77	76	74	73	86	83	77	76	74	73	86	83	77	76	74	73				
40	10	600	600	66	62	60	57	53	49	66	63	60	57	53	50	68	63	61	58	54	50	68	64	61	58	54	50				
		900	900	74	70	66	64	61	59	73	68	64	63	60	58	74	69	65	63	60	59	74	70	65	64	60	59				
		1100	1100	77	73	69	67	64	62	76	71	66	66	63	63	77	72	67	66	63	63	77	73	67	66	63	64				
		1100	1600	86	83	77	76	74	73	86	83	77	76	74	73	86	83	77	76	74	73	86	83	77	76	74	73				

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