

Performance Data • NC Level Application Guide Model Series 35S • Series Flow

D
FAN POWERED TERMINAL UNITS

Unit Size	Inlet Size	Airflow		Min inlet ΔPs		NC Levels @ Inlet pressure (ΔPs) shown												
						DISCHARGE					RADIATED							
						Fan Only	Min. ΔPs	0.5" w.g. (125 Pa)	1.0" w.g. (250 Pa)	1.5" w.g. (375 Pa)	2.0" w.g. (500 Pa)	Fan Only	Min. ΔPs	0.5" w.g. (125 Pa)	1.0" w.g. (250 Pa)	1.5" w.g. (375 Pa)	2.0" w.g. (500 Pa)	
1	5	250	118	0.19	47	24	23	23	24	24	24	39	31	34	35	36	35	
		175	83	0.10	25	-	-	-	-	-	-	31	26	28	28	29	29	
		100	47	0.03	7	-	-	-	-	-	-	-	-	-	21	25	28	
	6	400	189	0.15	37	33	30	30	30	31	31	36	40	40	40	40	41	
		300	142	0.09	22	25	24	25	24	25	25	30	35	35	36	36	36	
		250	118	0.06	15	24	21	23	24	24	24	29	33	34	33	33	34	
		200	94	0.04	10	-	-	-	-	-	-	25	29	29	29	29	30	
		100	47	0.01	2	-	-	-	-	-	-	-	-	-	20	23	24	
		400	189	0.03	7	33	30	29	29	29	29	40	38	38	38	39	39	
	8	300	142	0.02	5	26	24	23	23	23	24	33	34	33	34	34	35	
		250	118	0.01	2	26	23	21	23	23	24	31	29	30	31	31	31	
		200	94	0.01	2	-	-	-	-	-	-	29	28	28	29	28	29	
2	8	670	316	0.05	12	27	27	29	29	27	30	30	30	33	35	38	40	
		550	260	0.05	12	20	21	21	20	21	22	25	25	30	34	35	38	
		450	212	0.05	12	-	-	-	-	-	-	20	20	26	30	33	35	
		300	142	0.05	12	-	-	-	-	-	-	-	-	22	25	30	32	
3	8	700	330	0.05	12	-	-	-	-	-	-	25	25	29	32	35	36	
		600	283	0.05	12	-	-	-	-	-	-	25	25	28	30	34	35	
		450	212	0.05	12	-	-	-	-	-	-	23	22	25	27	30	33	
	10	1200	566	0.05	12	25	25	25	25	25	25	32	32	34	35	39	40	
		900	425	0.05	12	20	-	20	20	22	23	30	29	30	35	36	38	
4	10	1100	519	0.05	12	22	22	22	24	23	25	32	32	35	38	39	41	
		1000	472	0.05	12	20	20	20	21	22	25	28	30	34	35	39	40	
		850	401	0.05	12	-	-	-	-	-	20	26	26	30	34	35	38	
	12	1500	708	0.05	12	31	30	31	32	31	32	40	36	39	41	42	45	
		1300	614	0.05	12	27	26	27	29	29	29	37	34	35	38	40	42	
		1100	519	0.05	12	22	21	21	21	20	25	32	30	33	35	39	40	
5	12	1600	755	0.05	12	28	26	28	29	28	29	41	39	40	40	42	45	
		1400	661	0.05	12	25	25	25	25	25	25	39	35	38	39	40	44	
		1200	566	0.05	12	22	20	22	20	20	22	36	32	32	35	35	40	
		1050	495	0.05	12	-	-	-	-	-	-	32	28	30	34	36	40	
	14	1925	909	0.05	12	34	34	34	35	35	35	42	41	42	44	45	48	
		1700	802	0.05	12	30	29	30	30	30	30	39	37	40	41	42	44	
		1400	661	0.05	12	26	25	25	25	25	25	35	34	36	38	39	40	
		1050	496	0.05	12	-	-	-	-	-	-	32	25	30	33	35	37	
		14	2300	1086	0.05	12	37	37	37	38	38	39	42	45	46	47	48	50
			2000	944	0.05	12	34	32	34	34	35	35	40	40	42	44	45	47
1700	802		0.05	12	29	27	29	29	28	30	37	36	39	40	40	44		
1400	661		0.05	12	25	22	24	24	25	30	34	31	35	36	39	40		
1100	519		0.05	12	-	-	-	-	-	20	29	25	29	34	36	39		
7	16		3050	1440	0.18	45	31	29	31	33	31	32	45	42	44	44	49	52
		2700	1274	0.14	35	28	27	28	28	29	29	42	39	41	42	45	47	
		2300	1080	0.10	25	25	25	25	25	25	26	40	36	35	39	42	45	
		2000	944	0.07	17	20	20	20	20	20	22	36	32	34	37	40	44	
	18	3650	1723	0.05	12	36	36	36	37	37	38	46	45	46	47	49	51	
		3250	1534	0.05	12	34	32	34	34	34	34	43	41	44	45	46	48	
		2600	1227	0.05	12	29	27	28	28	28	29	40	38	40	41	42	45	
		2000	944	0.05	12	20	20	21	20	20	22	36	30	34	36	38	40	

Explanation of NC Levels:

- NC levels are calculated from the published raw data and based on procedures outlined in Appendix E, AHRI 885-2008.
- Discharge sound attenuation deductions are based on environmental effect, duct lining, branch power division, insulated flex duct, end reflection and space effect and are as follows:

Discharge attenuation	Octave Band						
	2	3	4	5	6	7	
< 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	

- Radiated sound attenuation deductions are based on a mineral tile ceiling and environmental effect and are as follows:

Radiated attenuation	Octave Band						
	2	3	4	5	6	7	
Total dB reduction	18	19	20	26	31	36	

- Min. inlet ΔPs is the minimum static pressure required to achieve rated airflow (damper full open).
- Dash (-) in space denotes an NC level of less than 20.

- Discharge (external) static pressure is 0.25" w.g. (63 Pa) in all cases.

- For a detailed explanation of the attenuation factors and the procedures for calculating room NC levels, please refer to the "Performance Data Explanation" on page D19 and the "Acoustical Engineering Guidelines" in the Engineering Section of this catalog.

FAN POWERED TERMINAL UNITS



Performance Data • Discharge Sound Power Levels Model Series 35S • Series Flow (Constant Volume)



Unit Size	Inlet Size	Airflow cfm l/s	Min. inlet ΔPs "w.g. Pa	Fan and 100% Primary Air – Sound Power Octave Bands @ Inlet pressure shown																																																														
				Fan Only							Minimum ΔPs							0.5" wg (125Pa)ΔPs							1.0" wg (250Pa)ΔPs							1.5" wg (375Pa)ΔPs							2.0" wg (500Pa)ΔPs																											
				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	2	3	4	5	6	7																											
1	5	250 118	0.19 47	67 63 60 58 55 53	66 62 59 57 54 52	66 62 59 57 54 51	67 63 59 57 55 52	67 64 60 58 55 52	67 64 60 58 55 52	175 83	0.10 25	57 54 51 48 44 40	57 53 51 48 44 40	58 54 50 48 44 40	59 55 52 49 44 41	60 57 52 49 45 41	60 57 54 50 45 41	100 47	0.03 7	49 46 41 38 32 27	47 45 40 37 31 24	49 47 42 38 33 26	51 49 46 40 34 28	50 49 49 46 35 29	49 49 49 47 35 30	8	6	400 189	0.15 37	76 72 68 67 65 63	73 70 66 65 63 61	73 70 66 65 62 61	73 70 66 65 62 61	74 71 66 65 63 61	74 71 66 65 63 61	300 142	0.09 22	70 66 62 61 58 56	68 65 62 60 57 55	69 66 62 61 58 56	69 65 62 60 57 55	69 66 62 60 58 56	250 118	0.06 15	67 63 60 58 55 53	65 62 59 57 54 52	66 63 60 58 55 53	67 63 60 58 55 53	67 64 60 58 55 53	67 64 60 58 55 53	200 94	0.04 10	60 56 54 51 48 45	60 56 54 50 47 44	61 58 55 52 48 45	62 58 55 52 49 46	62 59 56 52 49 46	61 59 56 52 48 45	100 47	0.01 2	- 44 41 38 32 26	- 45 40 37 31 24	49 47 41 37 31 25	49 48 44 38 32 27	- 48 45 40 34 30	48 48 45 40 35 32
		400 189	0.03 7	76 73 68 68 66 64	73 70 66 64 62 60	72 69 65 64 62 59	72 69 64 64 61 59	72 69 65 64 62 59	72 69 65 64 61 59	300 142	0.02 5	71 67 63 62 60 58	68 65 62 60 58 55	68 64 61 59 56 54	68 64 61 59 57 54	68 65 61 59 57 54	68 65 61 59 57 54	69 65 62 60 57 55	250 118	0.01 2	69 65 61 60 57 55	66 63 60 58 55 53	65 62 58 57 54 51	66 62 59 57 54 51	66 63 59 57 54 52			66 63 59 57 54 52	67 63 60 58 55 52	67 63 60 58 55 52	200 94	0.01 2	62 58 56 53 50 47	60 57 54 51 48 45	61 57 54 51 48 44	60 57 54 51 48 44	61 58 55 52 48 45	61 58 55 52 48 45	61 58 56 52 49 46	61 58 56 52 49 46																										
		400 189	0.03 7	76 73 68 68 66 64	73 70 66 64 62 60	72 69 65 64 62 59	72 69 64 64 61 59	72 69 65 64 62 59	72 69 65 64 62 59	300 142	0.02 5	71 67 63 62 60 58	68 65 62 60 58 55	68 64 61 59 56 54	68 64 61 59 57 54	68 65 61 59 57 54	69 65 62 60 57 55	69 65 62 60 58 56	250 118	0.01 2	69 65 61 60 57 55	66 63 60 58 55 53	65 62 58 57 54 51	66 62 59 57 54 51	66 63 59 57 54 52			66 63 59 57 54 52	67 63 60 58 55 52	67 63 60 58 55 52	200 94	0.01 2	62 58 56 53 50 47	60 57 54 51 48 45	61 57 54 51 48 44	60 57 54 51 48 44	61 58 55 52 48 45	61 58 55 52 48 45	61 58 56 52 49 46	61 58 56 52 49 46																										
	2	8	670 316	.05 12	65 68 66 64 61 60	65 68 66 64 61 59	65 69 67 64 61 60	63 63 63 61 58 57	67 68 67 64 62 60	67 70 67 65 62 61	550 260	.05 12	58 62 62 58 56 54	58 63 63 58 56 54	61 63 63 59 57 55	60 62 62 59 56 55	61 63 62 59 57 55	62 64 63 59 57 55	450 212	.05 12	53 57 59 53 51 48	53 56 60 53 50 47	55 57 60 54 51 48	57 59 58 54 52 49	58 58 58 55 52 50		59 61 59 55 52 50	59 61 59 55 52 50	300 142	.05 12	51 53 54 49 46 42	51 52 51 48 45 40	53 54 54 50 47 42	54 56 54 50 47 43	55 56 55 50 47 44	55 57 56 51 48 44	55 57 56 51 48 44																													
			700 330	.05 12	56 56 59 56 52 48	57 56 59 55 51 48	58 58 60 56 52 48	59 59 60 56 52 48	61 61 60 56 52 48	61 61 61 58 52 48	600 283	.05 12	56 55 58 55 51 46	56 55 58 54 50 45	57 57 59 55 51 46	58 58 59 55 51 46	59 58 59 55 51 46	59 58 59 55 51 46	59 60 59 55 51 46	450 212	.05 12	55 52 54 50 46 38	55 52 54 50 45 37	56 53 55 50 45 38	57 54 55 50 45 38		57 54 55 50 45 38	57 55 55 49 44 38	57 55 55 49 44 38	57 55 55 49 44 38	57 55 55 49 44 38																																			
			1200 566	.05 12	62 64 68 65 62 61	61 64 68 64 61 60	65 67 68 64 63 61	66 67 69 66 64 62	67 67 69 67 64 62	68 68 69 67 64 62	900 425	.05 12	60 61 64 61 58 56	59 61 63 60 57 55	61 63 65 62 59 56	63 64 65 63 60 57	64 64 65 63 60 58	64 65 65 63 60 58	64 65 65 63 60 58	700 330	.05 12	57 58 59 55 52 48	57 58 58 55 51 48	59 59 60 57 53 49	60 60 60 57 54 50		60 59 60 57 53 50	61 61 60 57 53 50	61 61 60 57 53 50	450 212	.05 12	57 56 54 50 46 38	56 56 54 50 45 38	57 56 55 51 46 39	58 57 55 50 46 39	58 57 55 50 46 39	58 57 55 50 46 39	59 57 55 50 45 40	59 57 55 50 45 40																											
			1100 519	.05 12	63 65 65 64 60 57	64 65 65 64 60 58	64 65 65 64 60 58	65 66 65 64 61 59	67 65 66 64 61 59	67 67 66 64 61 59	1000 472	.05 12	62 63 63 61 58 55	62 63 63 61 58 55	63 63 63 62 58 56	64 64 64 62 58 56	65 65 63 62 58 56	66 66 64 62 58 56	66 66 64 62 58 56	850 401	.05 12	59 61 61 58 54 50	59 60 60 58 54 51	60 61 61 59 55 51	62 61 61 59 55 51		63 61 61 58 55 52	64 63 61 59 55 52	64 63 61 59 55 52																																					
	4	12	1500 708	.05 12	70 72 71 72 68 67	68 71 71 71 68 67	70 72 72 72 69 68	71 73 72 72 69 68	71 72 72 72 69 68	72 73 72 72 69 68	1300 614	.05 12	67 69 69 68 65 63	66 68 69 67 64 63	68 69 69 68 65 64	68 70 69 68 65 64	69 70 69 68 65 64	69 70 69 68 65 64	1100 519	.05 12	63 65 65 64 60 57	62 64 66 62 59 56	64 64 66 63 59 57	64 64 66 62 59 57	65 63 66 62 59 57		66 66 66 62 59 57	66 66 66 62 59 57	850 401	.05 12	59 60 60 58 54 51	58 59 60 58 54 50	60 61 60 58 54 51	61 60 60 58 54 50	62 61 60 57 54 50	62 61 60 57 54 50	62 61 60 58 54 51	62 61 60 58 54 51																												
			1600 755	.05 12	67 68 69 69 66 65	67 67 68 67 64 63	69 69 69 68 65 65	70 70 69 68 65 65	71 69 69 68 65 65	71 70 69 68 65 65	1400 661	.05 12	66 66 67 66 63 62	64 64 65 64 61 61	67 66 66 64 62 62	68 67 66 65 62 62	68 67 66 64 61 61	69 67 67 65 62 61	69 67 67 65 62 61	1200 566	.05 12	62 62 63 62 59 58	60 61 62 60 57 57	63 63 62 61 58 58	64 63 63 61 58 57		65 62 63 61 57 57	66 65 63 61 57 57	66 65 63 61 57 57	1050 495	.05 12	60 59 59 58 55 53	58 58 59 57 53 53	60 59 59 58 54 53	62 60 59 57 54 53	63 61 60 57 54 53	63 61 60 57 54 53	64 62 60 57 54 53	64 62 60 57 54 53																											
			1925 909	.05 12	73 74 73 74 71 70	73 74 73 73 70 70	73 74 74 73 70 70	74 75 74 73 71 70	74 75 74 73 71 70	75 75 74 73 70 70	1700 802	.05 12	71 71 70 70 67 67	69 69 70 69 66 66	71 71 71 70 67 66	72 71 71 70 67 66	72 71 70 69 66 66	72 71 70 69 66 66	72 71 70 69 66 66	1400 661	.05 12	67 67 67 67 63 63	64 64 66 62 61 61	67 67 66 65 62 62	68 66 66 65 62 62		68 66 66 65 62 62	68 65 66 65 61 61	68 67 66 65 61 62	68 67 66 65 61 62	1050 496	.05 12	60 60 61 60 56 54	59 59 59 58 54 53	60 60 60 58 55 54	61 60 60 58 54 54	63 61 60 58 54 54	63 61 60 58 54 54	64 62 60 58 55 54	64 62 60 58 55 54																										
			2300 1086	.05 12	76 78 76 77 74 73	74 78 77 78 75 74	76 78 77 78 75 74	76 79 78 78 75 74	77 78 78 78 75 75	78 79 78 79 76 75	2000 944	.05 12	73 74 73 73 70 69	70 73 73 72 69 69	72 74 74 73 70 69	73 74 74 73 70 70	74 75 74 74 70 70	74 75 74 74 70 70	74 75 74 74 71 70	74 75 74 74 71 70	1700 802	.05 12	70 70 68 69 66 65	67 68 69 68 64 64	69 70 70 68 65 65		70 70 70 69 66 65	70 69 71 69 66 66	70 69 71 69 66 66	71 71 71 69 66 65	71 71 71 69 66 65	1400 661	.05 12	66 66 67 65 61 60	63 64 65 63 60 58	65 66 65 64 60 59	66 66 66 64 61 60	67 66 66 64 61 60	67 66 66 64 61 60	67 66 66 64 60 59	1100 519	.05 12	61 62 62 60 56 54	59 60 61 59 55 52	61 62 62 60 56 54	62 62 62 60 56 54	63 62 62 60 56 54	64 63 62 60 56 54	64 63 62 60 56 54																	
			3050 1440	.18 45	70 71 72 72 69 68	70 70 71 70 67 66	72 72 72 71 68 68	73 73 72 71 68 68	74 72 72 71 68 68	74 73 72 71 67 67	2700 1274	.14 35	69 69 70 69 66 65	67 67 68 67 64 64	70 69 69 67 65 65	71 70 69 68 65 65	71 70 69 67 64 64	72 70 70 68 65 64	72 70 70 68 65 64	2300 1080	.10 25	65 65 66 65 62 61	63 64 65 63 60 60	66 66 65 64 61 61	67 66 66 64 61 60		67 66 66 64 61 60	69 68 66 64 60 60	69 68 66 64 60 60	2000 944	.07 17	63 62 62 61 58 56	61 61 62 60 56 56	63 62 62 61 57 56	65 63 62 60 57 56	65 63 62 60 57 56	67 65 63 60 57 56	67 65 63 60 57 56																												
7	16	3650 1723	.05 12	76 77 76 77 74 73	76 77 76 76 73 73	76 77 77 76 73 73	77 78 77 76 74 73	77 78 77 76 74 73	3250 1534	.05 12	74 74 73 73 70 70	72 72 73 72 69 69	74 74 74 73 70 69	75 74 74 73 70 69	75 74 74 73 70 69	75 74 74 73 70 69	2600 1227	.05 12	70 70 70 70 66 66	67 67 69 65 64 64	70 70 69 68 65 65	71 69 69 68 65 65	71 69 69 68 65 65	71 69 69 68 65 65	71 70 69 68 64 65	71 70 69 68 64 65	2000 944	.05 12	63 63 64 63 59 57	62 62 62 61 57 56	63 63 63 61 58 57	64 63 63 61 57 57	64 63 63 61 57 57	64 63 63 61 57 57	67 65 63 61 58 57	67 65 63 61 58 57																														

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FAN POWERED TERMINAL UNITS

For performance table notes, see page D22B.

FAN POWERED TERMINAL UNITS



Performance Data • Radiated Sound Power Levels Model Series 35S • Series Flow (Constant Volume)



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FAN POWERED TERMINAL UNITS

Unit Size	Inlet Size	Airflow cfm	Airflow l/s	Min. inlet ΔPs "w.g. Pa	Fan and 100% Primary Air – Sound Power Octave Bands @ Inlet pressure shown																																									
					Fan Only							Minimum ΔPs							0.5" wg (125Pa)ΔPs							1.0" wg (250Pa)ΔPs							1.5" wg (375Pa)ΔPs							2.0" wg (500Pa)ΔPs						
					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	2	3	4	5	6	7						
1	5	250	118	0.19	47	73	60	52	46	41	38	67	54	48	44	39	35	69	56	51	47	42	38	70	59	54	50	49	47	71	60	56	53	53	53	71	61	58	55	55	56					
		175	83	0.10	25	67	53	47	40	35	31	63	49	44	38	32	27	64	51	46	42	40	36	64	53	50	47	48	46	65	55	53	50	51	51	65	56	54	52	53	53					
		100	47	0.03	7	57	45	41	34	28	20	56	44	40	32	25	18	56	45	42	38	37	33	57	48	47	43	44	41	57	50	51	48	47	45	57	51	53	53	50	47					
	6	400	189	0.15	37	71	62	54	47	41	39	74	62	55	50	46	43	74	62	55	50	46	43	74	63	57	52	51	50	74	64	59	54	55	55	75	65	61	56	56	58					
		300	142	0.09	22	66	55	47	39	33	31	70	58	52	46	41	38	70	58	52	46	43	40	71	59	54	49	50	48	71	60	56	51	53	54	71	61	58	53	55	57					
		250	118	0.06	15	65	53	46	37	32	30	68	54	48	41	36	32	69	56	50	44	42	39	68	56	51	46	49	48	68	57	54	50	53	53	69	59	56	51	54	56					
		200	94	0.04	10	63	50	43	34	29	25	65	51	46	38	33	29	65	52	47	41	41	37	65	53	49	45	48	46	65	55	52	48	51	52	66	55	53	49	53	54					
		100	47	0.01	2	53	43	38	30	25	19	56	44	41	32	26	-	56	45	42	37	37	33	56	46	46	41	42	40	57	48	49	47	46	44	57	48	50	52	50	46					
	8	400	189	0.03	7	74	63	56	51	46	43	72	60	54	48	43	41	72	60	54	49	48	46	72	61	55	51	53	52	73	63	58	53	55	57	73	64	59	55	57	59					
		300	142	0.02	5	68	56	49	43	37	34	69	57	51	45	40	37	68	57	51	46	45	43	69	59	53	48	51	50	70	60	55	50	53	53	70	60	56	52	55	56					
		250	118	0.01	2	67	55	48	42	36	33	66	52	47	40	34	31	66	54	48	43	44	41	67	56	50	46	49	48	67	57	53	49	51	51	67	57	54	51	52	52					
		200	94	0.01	2	65	52	46	39	34	30	64	51	45	38	33	29	64	51	46	41	42	39	65	53	48	44	46	44	64	54	50	47	48	47	65	54	52	48	50	50					
2	8	670	316	0.05	12	63	58	55	49	43	41	64	59	56	50	44	42	66	62	58	54	53	52	69	65	61	57	57	58	70	66	63	59	60	62	71	69	64	61	61	64					
		550	260	0.05	12	61	55	52	45	39	37	61	55	52	45	40	37	63	59	55	51	51	49	66	63	58	55	55	55	67	65	60	57	58	59	68	67	62	59	60	62					
		450	212	0.05	12	58	51	47	40	34	31	59	51	44	39	34	31	61	56	52	49	49	46	63	60	55	52	53	53	64	61	58	55	56	57	65	64	60	57	58	59					
		300	142	0.05	12	57	49	45	37	31	28	57	43	44	35	30	27	56	52	48	45	45	42	59	56	52	49	49	47	60	58	55	53	53	51	61	59	57	56	56	54					
3	8	700	330	0.05	12	62	52	52	46	43	39	63	53	52	46	44	39	65	56	54	52	52	50	66	59	57	55	58	59	68	61	60	58	61	64	69	65	62	60	64	67					
		600	283	0.05	12	61	51	51	44	42	37	61	52	51	45	41	37	63	55	53	50	52	50	65	58	56	54	58	58	66	61	59	57	61	63	67	63	60	59	63	65					
		450	212	0.05	12	55	43	49	40	37	31	57	48	48	40	36	30	59	51	50	48	49	48	60	54	53	51	55	54	63	57	56	56	60	60	63	59	58	58	61	61					
	10	1200	566	0.05	12	68	59	57	52	51	47	67	60	57	52	51	47	69	62	59	56	57	55	71	65	61	58	61	61	72	65	64	61	64	65	68	68	65	63	66	68					
		900	425	0.05	12	66	55	54	49	46	42	64	56	54	48	46	42	66	58	56	53	54	52	68	60	59	56	60	60	70	64	62	60	63	64	68	66	63	61	65	67					
4	10	1100	519	0.05	12	68	60	54	50	47	43	68	60	54	50	48	45	70	63	57	54	58	58	72	67	61	57	62	65	73	68	64	60	64	69	74	71	65	61	65	71					
		1000	472	0.05	12	65	56	51	49	44	40	66	58	53	49	46	42	69	61	56	53	57	57	70	65	59	55	61	63	72	68	62	58	61	67	73	70	65	61	65	71					
	850	401	0.05	12	64	54	50	46	41	37	64	55	51	46	42	37	66	59	53	51	55	55	68	63	58	55	60	63	70	65	61	57	62	68	70	67	63	59	64	70						
	12	1500	708	0.05	12	74	65	58	56	54	51	71	65	59	55	54	52	73	67	61	57	58	56	75	69	64	60	61	63	76	71	66	62	64	67	76	73	68	64	65	70					
1300		614	0.05	12	72	63	58	53	51	47	69	63	57	53	50	48	70	65	59	55	56	55	72	67	63	58	61	62	73	69	65	61	63	67	74	71	67	63	65	69						
1100		519	0.05	12	68	60	54	50	47	43	66	59	54	49	46	43	68	62	57	53	55	54	70	65	61	57	60	61	71	66	64	60	62	66	72	69	65	61	64	68						
850		401	0.05	12	64	55	50	45	41	36	62	54	50	44	40	35	64	58	54	50	53	51	66	62	58	54	59	60	68	65	61	57	61	64	68	66	63	59	63	66						
5	12	1600	755	0.05	12	75	66	58	53	51	48	73	65	58	52	50	48	74	67	63	56	58	57	74	69	64	59	62	64	75	70	67	63	64	68	76	73	69	65	66	71					
		1400	661	0.05	12	73	62	55	50	47	44	70	61	55	48	46	44	72	65	60	54	56	55	73	67	63	58	61	63	73	70	66	61	64	68	74	72	68	64	65	70					
		1200	566	0.05	12	71	60	53	47	45	41	68	58	52	46	43	40	67	62	57	52	55	54	70	65	61	58	60	62	71	67	64	60	63	66	72	70	66	62	64	69					
		1050	495	0.05	12	68	56	50	44	41	37	65	55	50	43	39	36	66	60	55	50	54	53	67	63	59	56	60	61	70	66	62	58	62	65	71	69	65	61	64	68					
	14	1925	909	0.05	12	76	71	61	57	56	53	75	69	62	58	55	53	76	71	64	59	61	61	77	72	66	61	64	66	77	73	67	63	66	70	78	75	69	65	67	73					
1700		802	0.05	12	73	67	59	54	52	50	72	65	59	53	51	49	74	68	61	56	59	59	75	70	64	59	63	66	75	71	65	61	64	69	76	72	67	63	66	71						
1400		661	0.05	12	71	64	56	50	48	46	69	61	55	49	46	44	71	65	58	54	57	57	72	67	61	57	62	64	73	67	63	59	64	68	73	70	64	61	65	70						
1050		496	0.05	12	68	57	50	44	41	37	63	55	50	43	40	37	66	59	53	50	55	53	68	62	57	54	60	62	69	64	59	56	62	65	69	66	62	59	64	69						
6	14	2300	1086	0.05	12	76	71	64	61	59	56	77	73	65	62	59	57	77	74	67	63	64	65	79	75	68	64	66	69	79	75	69	65	67	71	80	77	71	67	69	73					
		2000	944	0.05	12	74	68	61	58	55	52	74	70	62	58	55	52	75	71	64	60	61	62	76	72	65	62	64	67	77	73	67	64	66	70	77	75	69	65	68	73					
		1700	802	0.05	12	72	65	59	55	52	48	70	65	59	54	50	47	72	68	61	57	59	59	73	69	63	59	63	66	74	70	65	62	65	69	75	72	67	63	67	72					
		1400	661	0.05	12	69																																								

Performance Data • AHRI Certification Model Series 35S • Series Flow (Constant Volume) Rating Points

Discharge

Unit Size	Inlet Size	Fan cfm	Fan† Watts	Fan Only *						
				2	3	4	5	6	7	
1	5	250	160	67	63	60	58	55	53	
2	8	670	230	65	68	66	64	61	60	
3	10	1200	450	62	64	68	65	62	61	
4	12	1500	580	70	72	71	72	68	67	
5	14	1900	850	73	74	73	74	71	70	
6	14	2300	1175	76	78	76	77	74	73	
7	18	3650	1700	76	77	76	77	74	73	

Radiated

Unit Size	Inlet Size	Pri. cfm	Fan cfm	Fan† Watts	Min. ΔPs	Fan Only *							Fan and Primary cfm shown @ 1.5" wg ΔPs						
						2	3	4	5	6	7	2	3	4	5	6	7		
1	5	250	250	160	.19	73	60	52	46	41	38	71	60	56	53	53	53		
2	8	670	670	230	.05	63	58	55	49	43	41	70	66	63	59	60	62		
3	10	1100	1200	450	.05	68	59	57	52	51	47	72	65	64	61	64	65		
4	12	1500	1500	580	.05	74	65	58	56	54	51	76	71	66	62	64	67		
5	14	1900	1925	850	.05	76	71	61	57	56	53	77	73	67	63	66	70		
6	14	2100	2300	1175	.05	76	71	64	61	59	56	79	75	69	65	67	71		
7	18	3500	3650	1700	.05	79	74	64	60	59	56	80	76	70	66	69	73		

† PSC Motor.

* Primary air valve is closed and therefore primary cfm is zero.



Ratings are certified in accordance with AHRI Standards.

Performance Notes:

- Discharge (external) static pressure is 0.25" w.g. (63 Pa) in all cases. It is the difference (ΔPs) in static pressure from terminal discharge to the room.
- Radiated sound power is the breakout noise transmitted through the unit casing walls.
- Sound power levels are in decibels, dB re 10⁻¹² watts.
- All sound data listed by octave bands is raw data without any corrections for room absorption or duct attenuation.
- Min. inlet ΔPs is the minimum operating pressure of the primary air valve section.
- Data derived from independent tests conducted in accordance with ANSI/ASHRAE Std. 130-2008 and AHRI Standard 880-2008.