

Performance Data • NC Level Application Guide

Model Series 35SST Stealth™ • Series Flow

Fiberglass Liner

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	6	550	260	0.22	54	36	36	34	35	36	36	36	35	35	36	38	38	
		400	189	0.12	30	28	26	26	28	29	29	29	29	30	31	33	34	
		300	142	0.07	17	-	-	20	20	21	23	24	25	25	28	29	30	
		200	94	0.04	9	-	-	-	-	-	-	-	-	-	-	21	23	
		100	47	0.01	3	-	-	-	-	-	-	-	-	-	-	-	-	
	8	550	260	0.06	15	36	35	33	34	35	35	36	35	35	36	38	38	
		400	189	0.03	8	28	25	25	26	28	29	29	29	30	31	33	34	
		300	142	0.02	5	-	-	-	-	20	21	24	25	25	28	29	30	
		200	94	0.01	2	-	-	-	-	-	-	-	-	-	-	21	23	
		100	47	0.01	1	-	-	-	-	-	-	-	-	-	-	-	-	
2	6	550	260	0.20	50	21	24	25	28	30	31	21	23	25	29	33	34	
		400	189	0.11	27	-	-	-	23	25	26	-	-	-	24	30	33	
		200	94	0.04	10	-	-	-	20	-	20	-	-	-	-	23	24	
	8	850	401	0.11	28	31	34	34	34	35	36	30	34	34	35	36	37	
		700	330	0.08	19	26	29	30	33	34	34	26	29	31	33	34	35	
		550	260	0.05	12	21	21	24	25	29	30	21	23	25	29	33	34	
		400	189	0.02	6	-	-	-	20	23	24	-	-	-	24	29	31	
		200	94	0.00	1	-	-	-	-	-	-	-	-	-	-	21	24	
	3	6	550	260	0.20	50	23	25	25	29	30	30	21	20	23	28	33	33
			400	189	0.11	27	-	-	-	20	23	23	-	-	-	23	26	26
8		1100	519	0.12	30	33	31	31	33	34	35	31	29	30	33	35	35	
		900	425	0.08	20	28	26	28	29	31	33	26	24	26	30	34	34	
		700	330	0.05	12	23	24	24	26	29	30	21	20	23	28	33	33	
		400	189	0.02	5	-	-	-	-	20	20	-	-	-	21	26	26	
10		1215	573	0.03	7	35	34	34	35	35	36	33	31	33	34	36	36	
		1100	519	0.03	7	33	31	31	31	34	35	31	29	30	33	35	35	
		900	425	0.02	4	28	25	25	28	30	31	26	24	26	30	34	34	
		700	330	0.01	3	23	21	23	24	26	28	21	20	23	28	33	33	
4	10	1550	731	0.10	25	39	37	40	40	43	44	34	33	35	37	39	40	
		1400	661	0.08	19	35	34	37	39	40	40	31	30	33	35	38	38	
		1200	566	0.05	13	30	30	33	33	39	37	28	26	30	33	36	37	
		900	425	0.03	7	25	25	28	31	30	31	21	21	25	28	31	31	
		700	330	0.02	4	21	23	25	26	26	26	-	-	23	25	28	29	
	12	1550	731	0.05	12	39	36	39	40	41	43	34	33	35	37	39	40	
		1400	661	0.03	8	35	33	36	38	39	40	31	30	33	35	38	38	
		1200	566	0.02	5	30	29	33	37	37	37	28	26	30	33	36	37	
		900	425	0.01	3	25	23	26	30	29	29	21	21	25	28	31	31	
		700	330	0.01	2	21	20	24	25	24	24	-	-	23	24	28	29	
5	12	2050	967	0.06	15	39	39	40	41	43	44	37	36	36	37	39	39	
		1850	873	0.05	12	36	36	37	39	40	40	34	33	34	36	37	38	
		1600	755	0.04	10	33	33	35	37	37	38	30	31	33	34	36	37	
		1350	637	0.03	7	29	28	31	33	34	35	28	28	29	31	34	35	
		1100	519	0.02	5	25	25	28	29	31	30	24	24	26	29	31	33	
	14	2050	967	0.04	10	39	39	39	41	43	43	37	36	36	37	39	39	
		1850	873	0.03	8	36	35	37	38	39	40	34	33	34	36	37	38	
		1600	755	0.03	7	33	31	34	36	37	38	30	31	33	34	36	37	
		1350	637	0.02	5	29	28	30	33	34	35	28	28	29	31	34	35	
		1100	519	0.01	3	25	23	25	28	29	29	24	24	26	29	31	33	
6	14	2400	1133	0.08	20	40	40	40	43	44	45	38	36	37	39	41	41	
		2100	991	0.06	15	37	36	38	39	40	41	36	33	35	37	40	40	
		2000	944	0.05	13	36	35	37	38	39	40	36	31	35	37	39	39	
		1700	802	0.04	10	33	30	34	35	36	37	33	28	30	34	37	37	
		1400	661	0.03	6	26	24	27	29	30	30	28	24	26	30	35	35	
7	14	3370	1590	0.20	50	39	37	38	40	41	43	40	36	38	39	40	41	
		2800	1321	0.15	37	34	31	34	36	37	36	36	33	33	35	38	39	
		2100	991	0.10	25	26	24	28	28	30	30	30	29	29	31	34	36	
		1600	755	0.07	17	21	21	23	24	26	28	28	25	26	29	33	34	
		1100	519	0.05	12	-	-	-	20	23	25	25	24	24	26	29	31	
	16	4000	1888	0.15	38	43	39	40	41	44	45	44	39	40	41	43	44	
		3500	1652	0.12	29	39	36	37	39	40	41	40	36	38	39	40	41	
		2800	1321	0.08	19	34	30	33	35	37	36	36	33	33	35	38	39	
		2100	991	0.04	11	26	24	26	28	29	30	30	29	29	31	34	35	
		1600	755	0.03	6	21	-	21	21	24	26	28	25	26	29	32	34	

Performance Notes: 1. NC Levels are calculated based on procedures as outlined on page C160

2. Dash (-) in space indicates a NC less than 20.

FAN POWERED TERMINAL UNITS

Performance Data • AHRI Certification and Performance Notes

Model Series 35SST Stealth™ • Series Flow • AHRI Certification Rating Points

Fiberglass Liner

Unit Size	Inlet Size	Fan Airflow		Fan ^Σ Watts	Fan Only* @ .25" w.g. (62 Pa) ΔPs														Primary Airflow		Min. Inlet ΔPs		Fan + 100% Primary @ 1.5" w.g. (375 Pa) ΔPs w/ .25" w.g. (62 Pa) Discharge ΔPs						
		cfm	l/s		Discharge							Radiated							cfm	l/s	ΔPs		Radiated						
					2	3	4	5	6	7	2	3	4	5	6	7	"w.g.	Pa			2	3	4	5	6	7			
1	6	400	189	105	71	68	64	60	57	54	62	59	52	45	41	37	400	189	0.12	30	64	62	54	47	45	44			
2	8	700	330	155	69	67	63	62	59	57	59	57	50	45	41	37	700	330	0.08	19	67	63	55	49	45	45			
3	10	1100	519	270	73	73	71	69	66	63	63	61	53	49	45	42	1100	519	0.03	7	64	64	56	53	49	48			
4	12	1550	731	430	80	79	74	75	71	70	68	63	56	53	53	50	1550	731	0.05	12	72	68	62	58	54	53			
5	14	2050	967	800	82	79	75	76	72	71	71	66	59	56	52	49	2050	967	0.04	10	72	68	62	57	54	52			
6	14	2100	991	790	78	77	75	77	73	72	70	65	59	55	51	47	2100	991	0.06	15	73	69	62	57	54	53			
7	16	2800	1321	760	77	74	71	70	67	66	69	65	56	53	50	46	2800	1321	0.08	19	72	66	61	55	51	49			

^Σ Motor = ECM.

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



Ratings are certified in accordance with AHRI Standards.

Performance Notes for Sound Power Levels:

1. Discharge (external) static pressure is 0.25" w.g. (63 Pa) in all cases, which is the difference (ΔPs) in static pressure from terminal discharge to the room.
Discharge Sound Power Levels (SWL) now include duct end reflection energy as part of the standard rating. Including the duct end correction provides sound power levels that would normally be transmitted into an acoustically, non-reflective duct. The effect of including the energy correction to the discharge SWL, is higher sound power levels when compared to previous AHRI certified data. For more information on duct end reflection calculations see AHRI Standard 880.
2. Radiated sound power is the breakout noise transmitted through the unit casing walls.
3. Sound power levels are in decibels, dB re 10⁻¹² watts.

4. All sound data listed by octave bands is raw data without any corrections for room absorption or duct attenuation. Dash (-) in space indicates sound power level is less than 20 dB or equal to background.
5. Min. inlet ΔPs is the minimum operating pressure of the primary air valve section.
6. Asterisk (*) in space indicates that the minimum inlet static pressure requirement is greater than 0.5" w.g. (125 Pa) at rated airflow.
7. Data derived from independent tests conducted in accordance with ANSI / ASHRAE Standard 130 and AHRI Standard 880.

Performance Data • AHRI Certification and Performance Notes

Model Series 35SST Stealth™ • Series Flow • AHRI Certification Rating Points

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		cfm	l/s		Discharge							Radiated							cfm	l/s	"w.g.		Pa		Radiated						
					2	3	4	5	6	7	2	3	4	5	6	7	2	3			2	3	2	3	4	5	6	7			
1	6	400	189	105	71	68	64	60	57	54	62	59	52	45	41	37	400	189	0.12	30	64	62	54	47	45	44					
2	8	700	330	155	69	67	63	62	59	57	59	57	50	45	41	37	700	330	0.08	19	67	63	55	49	45	45					
3	10	1100	519	270	73	73	71	69	66	63	63	61	53	49	45	42	1100	519	0.03	7	64	64	56	53	49	48					
4	12	1550	731	430	80	79	74	75	71	70	68	63	56	53	53	50	1550	731	0.05	12	72	68	62	58	54	53					
5	14	2050	967	800	82	79	75	76	72	71	71	66	59	56	52	49	2050	967	0.04	10	72	68	62	57	54	52					
6	14	2100	991	790	78	77	75	77	73	72	70	65	59	55	51	47	2100	991	0.06	15	73	69	62	57	54	53					
7	16	2800	1321	760	77	74	71	70	67	66	69	65	56	53	50	46	2800	1321	0.08	19	72	66	61	55	51	49					

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5	14	2050	967	800	82	79	75	76	72	71	71	66	59	56	52	49	2050	967	0.04	10	72	68	62	57	54	52					
6	14	2100	991	790	78	77	75	77	73	72	70	65	59	55	51	47	2100	991	0.06	15	73	69	62	57	54	53					
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