

Performance Data • NC Level Application Guide

Model Series 35SXC Stealth XC • Series Flow

Steri-Liner

Unit Size	Inlet Size	Primary Airflow		Fan		Min. inlet ΔPs		NC Levels @ Inlet Pressure (ΔPs) shown							
								DISCHARGE NC PER 885 APPENDIX E				RADIATED NC AHRI 885			
		cfm	l/s	cfm	l/s	"w.g.	Pa	Fan Only	0.5 w.g. (125 Pa)	1.0" w.g. (250 Pa)	1.5" w.g. (375 Pa)	Fan Only	0.5" w.g. (125 Pa)	1.0" w.g. (250 Pa)	1.5" w.g. (375 Pa)
1	6	400	189	400	189	0.10	2.7	21	24	24	25	-	20	21	22
		300	142	300	142	0.06	1.9	-	-	-	-	-	-	-	-
		200	95	200	95	0.03	1.1	-	-	-	-	-	-	-	-
		100	47	100	47	0.01	0.4	-	-	-	-	-	-	-	-
		75	35	75	35	0.00	0.2	-	-	-	-	-	-	-	-
	8	400	189	400	189	0.03	2.7	21	22	22	22	-	-	-	20
		300	142	300	142	0.02	1.9	-	-	-	-	-	-	-	-
		200	95	200	95	0.01	1.1	-	-	-	-	-	-	-	-
		100	47	100	47	0.00	0.4	-	-	-	-	-	-	-	-
		75	35	75	35	0.00	0.2	-	-	-	-	-	-	-	-
3	6	550	260	550	260	0.20	3.8	29	24	24	25	22	22	24	24
		400	189	400	189	0.10	2.7	25	21	21	21	-	-	20	21
		300	165	300	165	0.06	1.5	21	-	-	-	-	-	-	-
		250	118	250	118	0.04	1.5	21	20	20	20	-	-	-	-
		200	95	200	95	0.03	1.1	22	21	21	21	-	-	-	-
	8	700	331	700	331	0.10	3.8	32	23	24	25	25	27	29	30
		650	307	650	307	0.09	2.7	34	25	25	25	24	26	28	29
		500	236	500	236	0.05	1.9	30	23	23	23	20	23	25	26
		350	165	350	165	0.03	1.5	26	20	20	20	-	-	21	22
		200	95	200	95	0.01	1.1	22	-	-	-	-	-	-	-
	10	1100	520	1100	520	0.10	6.6	41	27	28	28	32	25	27	28
		950	449	950	449	0.08	5.9	39	26	26	27	30	24	25	26
		700	331	700	331	0.04	4.7	35	23	23	24	25	20	22	23
		450	213	450	213	0.02	3.1	33	23	23	23	-	-	-	-
		200	95	200	95	0.00	1.1	22	-	-	-	-	-	-	-
5	10	1100	520	1100	520	0.10	6.6	31	30	30	30	31	30	32	33
		900	425	900	425	0.07	5.7	30	27	27	27	28	27	29	29
		700	331	700	331	0.04	4.1	28	22	23	23	24	23	24	25
		600	284	600	284	0.03	4.1	27	20	20	21	21	21	22	23
		500	236	500	236	0.02	3.4	25	-	-	-	-	-	-	20
	12	1800	851	1800	851	0.13	6.6	35	35	36	37	39	36	37	38
		1300	615	1300	615	0.07	5.7	32	30	31	31	33	31	32	33
		1000	473	1000	473	0.04	4.7	30	26	27	27	29	27	28	29
		700	331	700	331	0.02	4.1	28	20	21	21	24	21	22	23
		500	236	500	236	0.01	3.4	25	-	-	-	-	-	-	-
	14	2050	969	2050	969	0.09	9.0	36	36	36	37	41	36	37	38
		1600	756	1600	756	0.06	8.1	34	32	32	33	37	32	33	34
		1350	638	1350	638	0.04	7.4	33	29	29	30	34	29	30	31
		900	425	900	425	0.02	5.7	30	22	23	23	28	22	24	25
		500	236	500	236	0.01	3.4	25	-	-	-	-	-	-	-

Performance Notes:

- Discharge NC Levels are calculated based on procedures as outlined on page C160 (Using AHRI 885 Appendix E). Radiated NC levels are based on mock-up tests conducted in the Energistics Laboratory with no ceiling. (Specific applications require acoustical evaluation - contact factory).
- Dash (-) in space indicates a NC less than 20.

Performance Data • Discharge Sound Power Levels

Model Series 35SXC Stealth XC • Series Flow

Steri-Liner



Unit Size	Inlet Size	Primary Airflow		Fan		Min. inlet ΔPs		Fan Only							Fan and 100% Primary Air – Sound Power Octave Bands @ Inlet pressure (ΔPs) shown																			
															0.5" w.g. (125Pa) ΔPs							1.0" w.g. (249Pa) ΔPs							1.5" w.g. (375Pa) ΔPs					
		cfm	l/s	cfm	l/s	"w.g.	Pa	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	6	400	189	400	189	0.10	2.7	68	63	60	62	58	55	70	66	61	62	58	55	71	66	61	61	58	55	71	66	61	61	58	55			
		300	142	300	142	0.06	1.9	65	60	57	57	53	49	66	60	56	56	51	47	66	60	55	55	51	47	66	60	55	55	51	47			
		200	95	200	95	0.03	1.1	63	55	52	51	46	41	59	52	47	48	42	36	59	52	47	47	42	36	60	52	46	47	42	36			
		100	47	100	47	0.01	0.4	57	47	44	40	34	28	48	39	33	33	25	17	48	39	33	33	25	17	48	39	32	32	25	17			
	75	35	75	35	0.00	0.2	55	43	40	36	29	22	43	33	27	27	19	9	43	33	27	27	19	9	44	33	26	26	19	9				
	8	400	189	400	189	0.03	2.7	68	63	60	62	58	55	68	64	59	60	56	53	69	64	59	59	56	53	69	64	59	59	56	53			
		300	142	300	142	0.02	1.9	65	60	57	57	53	49	64	58	54	54	49	45	64	58	53	53	49	45	64	58	53	53	49	45			
		200	95	200	95	0.01	1.1	63	55	52	51	46	41	57	50	45	46	40	34	57	50	45	45	40	34	58	50	44	45	40	34			
100		47	100	47	0.00	0.4	57	47	44	40	34	28	46	37	31	31	23	15	46	37	31	31	23	15	46	37	30	30	23	15				
75	35	75	35	0.00	0.2	55	43	40	36	29	22	41	31	25	25	17	7	41	31	25	25	17	7	42	31	24	24	17	7					
3	6	550	260	550	260	0.20	3.8	76	67	64	63	58	55	72	66	65	61	58	55	72	67	65	61	58	56	72	67	66	61	58	56			
		400	189	400	189	0.10	2.7	73	64	60	58	54	50	70	63	62	58	54	51	70	64	62	58	54	51	70	64	62	58	54	51			
		300	142	300	142	0.06	1.5	70	61	57	54	50	45	68	61	59	54	51	46	68	61	59	55	51	47	68	62	59	55	51	47			
		250	118	250	118	0.04	1.5	68	59	55	51	47	42	67	59	57	52	48	44	67	60	57	52	49	44	67	60	57	53	49	44			
		200	95	200	95	0.03	1.1	66	56	52	48	44	38	65	57	54	50	46	40	65	58	55	50	46	41	65	58	55	50	46	41			
	8	700	331	700	331	0.10	3.8	79	70	67	66	62	59	72	66	66	62	59	57	72	67	66	62	59	57	72	67	66	62	59	58			
		650	307	650	307	0.09	2.7	78	69	66	65	61	58	71	66	65	61	58	56	71	66	65	61	58	56	71	67	65	61	58	56			
		500	236	500	236	0.05	1.9	75	66	63	61	57	54	70	63	62	58	55	52	70	64	62	58	55	52	70	64	63	58	55	53			
		350	165	350	165	0.03	1.5	72	62	59	56	52	48	67	60	58	54	50	47	67	61	59	54	51	47	67	61	59	54	51	47			
		200	95	200	95	0.01	1.1	66	56	52	48	44	38	63	55	52	48	44	38	63	56	53	48	44	39	63	56	53	48	44	39			
	10	1100	520	1100	520	0.10	6.6	84	75	72	73	68	67	73	68	69	65	62	62	73	69	69	65	62	62	73	69	69	65	62	62			
		950	449	950	449	0.08	5.9	82	73	71	71	66	65	72	67	67	63	60	60	72	68	67	63	60	60	72	68	67	63	61	60			
		700	331	700	331	0.04	4.7	79	70	67	66	62	59	70	64	64	60	57	55	70	65	64	60	57	55	70	65	64	60	57	56			
		450	213	450	213	0.02	3.1	74	65	62	60	56	52	67	60	59	55	51	48	67	61	59	55	52	49	67	62	59	55	52	49			
	200	95	200	95	0.00	1.1	66	56	52	48	44	38	61	53	50	46	42	36	61	54	51	46	42	37	61	54	51	46	42	37				
	5	10	1100	520	1100	520	0.10	6.6	76	73	71	71	67	66	73	72	71	70	66	65	74	72	72	70	69	66	74	72	72	71	70	67		
900			425	900	425	0.07	5.7	75	72	70	69	66	64	71	69	69	67	63	62	71	69	69	67	65	63	71	69	69	68	67	63			
700			331	700	331	0.04	4.1	73	70	68	67	64	62	67	65	66	63	59	58	67	66	66	63	61	59	68	66	66	64	63	59			
600			284	600	284	0.03	4.1	72	69	67	66	63	60	65	63	64	61	56	55	65	64	64	61	58	56	66	64	64	61	60	57			
500			236	500	236	0.02	3.4	71	68	66	65	61	59	62	61	62	58	53	52	63	61	62	58	55	53	63	61	62	59	57	54			
12		1800	851	1800	851	0.13	6.6	79	76	74	75	71	70	78	76	75	75	73	72	79	77	76	76	75	72	79	77	76	76	77	73			
		1300	615	1300	615	0.07	5.7	77	74	72	72	69	67	74	72	71	70	67	66	74	72	72	71	70	67	74	72	72	71	71	67			
		1000	473	1000	473	0.04	4.7	75	72	70	70	67	65	70	68	68	66	63	62	71	69	68	67	65	63	71	69	68	67	67	63			
		700	331	700	331	0.02	4.1	73	70	68	67	64	62	65	63	64	61	57	56	65	64	64	61	59	57	66	64	64	62	61	57			
		500	236	500	236	0.01	3.4	71	68	66	65	61	59	60	59	60	56	51	50	61	59	60	56	53	51	61	59	60	57	55	52			
14		2050	969	2050	969	0.09	9.0	79	77	74	76	72	71	78	76	75	75	73	72	79	76	75	76	76	73	79	77	75	76	77	73			
		1600	756	1600	756	0.06	8.1	78	75	73	74	70	69	75	73	72	72	69	68	75	73	72	72	71	68	75	73	72	72	73	69			
		1350	638	1350	638	0.04	7.4	77	74	72	72	69	67	72	70	70	69	66	65	73	71	70	69	68	66	73	71	70	70	70	66			
		900	425	900	425	0.02	5.7	75	72	70	69	66	64	67	65	65	63	59	58	67	65	65	63	61	59	67	65	65	64	63	59			
		500	236	500	236	0.01	3.4	71	68	66	65	61	59	58	57	58	54	49	48	59	57	58	54	51	49	59	57	58	55	53	50			

Performance Data • Radiated Sound Power Levels

Model Series 35SXC Stealth XC • Series Flow

Steri-Liner



Unit Size	Inlet Size	Primary Airflow		Fan		Min. inlet ΔPs		Fan Only							Fan and 100% Primary Air-Sound Power Octave Bands @ Inlet pressure (ΔPs) shown																			
															0.5" w.g. (125Pa) ΔPs							1.0" w.g. (249Pa)ΔPs							1.5" w.g. (375Pa) ΔPs					
		cfm	l/s	cfm	l/s	"w.g.	Pa	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	6	400	189	400	189	0.10	2.7	54	49	43	38	34	30	54	52	46	41	36	35	55	53	47	42	37	37	55	53	48	43	38	38			
		300	142	300	142	0.06	1.9	52	47	40	35	30	27	52	50	44	39	34	33	53	51	45	40	35	35	53	51	46	41	36	37			
		200	95	200	95	0.03	1.1	50	44	37	31	25	23	50	47	41	37	31	31	51	48	42	38	33	33	51	48	43	39	33	34			
		100	47	100	47	0.01	0.4	47	39	32	23	16	16	46	41	36	32	27	27	46	42	37	33	28	29	47	43	37	34	29	30			
		75	35	75	35	0.00	0.2	45	37	30	20	13	13	44	39	34	30	25	25	45	40	35	31	26	27	45	41	35	32	27	29			
	8	400	189	400	189	0.03	2.7	54	49	43	38	34	30	52	50	44	39	34	33	53	51	45	40	35	35	53	51	46	41	36	36			
		300	142	300	142	0.02	1.9	52	47	40	35	30	27	50	48	42	37	32	31	51	49	43	38	33	33	51	49	44	39	34	35			
		200	95	200	95	0.01	1.1	50	44	37	31	25	23	48	45	39	35	29	29	49	46	40	36	31	31	49	46	41	37	31	32			
		100	47	100	47	0.00	0.4	47	39	32	23	16	16	44	39	34	30	25	25	44	40	35	31	26	27	45	41	35	32	27	28			
		75	35	75	35	0.00	0.2	45	37	30	20	13	13	42	37	32	28	23	23	43	38	33	29	24	25	43	39	33	30	25	27			
3	6	550	260	550	260	0.20	3.8	60	53	46	41	37	33	58	54	48	41	38	36	59	55	49	42	40	39	60	56	50	43	41	41			
		400	189	400	189	0.10	2.7	56	49	42	36	31	26	55	51	45	38	35	34	56	52	46	39	37	37	57	53	47	40	38	38			
		300	142	300	142	0.06	1.5	53	46	39	31	25	20	52	48	42	35	33	31	54	49	43	37	35	34	54	50	44	37	36	36			
		250	118	250	118	0.04	1.5	52	44	37	28	21	16	51	46	40	34	32	30	52	47	41	35	34	33	53	48	42	36	35	34			
		200	95	200	95	0.03	1.1	49	41	34	25	17	11	49	44	38	31	30	28	50	45	39	33	32	31	51	46	40	34	33	33			
	8	700	331	700	331	0.10	3.8	62	56	49	45	42	38	62	58	52	45	42	40	63	59	53	46	44	43	64	60	54	47	45	45			
		650	307	650	307	0.09	2.7	61	55	48	44	41	37	61	57	51	44	41	40	63	59	53	46	43	42	63	59	53	46	44	44			
		500	236	500	236	0.05	1.9	59	52	45	39	35	31	59	55	49	42	39	38	60	56	50	43	41	40	61	57	51	44	42	42			
		350	165	350	165	0.03	1.5	55	48	41	34	28	23	56	51	45	39	36	35	57	53	47	40	38	37	58	53	47	41	39	39			
		200	95	200	95	0.01	1.1	49	41	34	25	17	11	51	46	40	33	32	30	52	47	41	35	34	33	53	48	42	36	35	35			
	10	1100	520	1100	520	0.10	6.6	67	62	54	52	51	48	60	57	51	43	39	38	61	58	52	44	41	41	62	59	52	45	42	42			
		950	449	950	449	0.08	5.9	65	60	53	50	48	45	59	55	49	42	38	37	60	56	50	43	40	39	61	57	51	44	41	41			
		700	331	700	331	0.04	4.7	62	56	49	45	42	38	56	52	46	39	36	34	57	53	47	40	38	37	58	54	48	41	39	39			
		450	213	450	213	0.02	3.1	58	51	44	38	33	29	52	48	42	35	32	31	53	49	43	36	34	33	54	50	44	37	35	35			
		200	95	200	95	0.00	1.1	49	41	34	25	17	11	45	40	34	27	26	24	46	41	35	29	28	27	47	42	36	30	29	29			
5	10	1100	520	1100	520	0.10	6.6	67	59	50	45	44	41	66	61	53	45	42	44	67	62	55	46	44	44	67	63	55	47	45	44			
		900	425	900	425	0.07	5.7	64	56	47	41	39	36	63	58	51	42	40	42	64	59	52	44	42	42	65	60	53	44	43	42			
		700	331	700	331	0.04	4.1	61	53	44	37	33	30	60	55	48	40	38	40	61	56	49	41	39	40	61	56	50	42	40	40			
		600	284	600	284	0.03	4.1	59	51	42	34	30	26	58	53	46	38	36	38	59	54	47	39	38	38	59	54	48	40	38	39			
		500	236	500	236	0.02	3.4	57	49	40	30	26	22	55	50	44	36	34	36	56	51	45	37	36	37	57	52	46	38	37	37			
	12	1800	851	1800	851	0.13	6.6	73	65	57	54	55	53	70	65	57	48	46	46	71	67	59	49	47	47	72	67	59	50	48	47			
		1300	615	1300	615	0.07	5.7	69	61	52	48	47	45	66	61	53	44	42	43	67	62	55	46	44	44	68	63	55	46	45	44			
		1000	473	1000	473	0.04	4.7	66	58	49	43	42	39	63	57	50	41	39	41	64	59	51	43	41	41	64	59	52	43	42	41			
		700	331	700	331	0.02	4.1	61	53	44	37	33	30	58	53	46	38	36	38	59	54	47	39	37	38	59	54	48	40	38	38			
		500	236	500	236	0.01	3.4	57	49	40	30	26	22	53	48	42	34	32	34	54	49	43	35	34	35	55	50	44	36	35	35			
	14	2050	969	2050	969	0.09	9.0	74	67	58	57	58	57	70	65	57	47	45	46	71	66	58	49	46	46	72	67	59	49	47	46			
		1600	756	1600	756	0.06	8.1	71	64	55	52	52	50	67	62	54	45	42	43	68	63	55	46	44	44	68	64	56	47	45	44			
		1350	638	1350	638	0.04	7.4	69	61	53	49	48	46	65	60	52	43	41	42	66	61	53	44	42	42	66	61	54	45	43	42			
		900	425	900	425	0.02	5.7	64	56	47	41	39	36	59	54	47	38	36	38	60	55	48	40	38	38	61	56	49	40	39	38			
500		236	500	236	0.01	3.4	57	49	40	30	26	22	51	46	40	32	30	32	52	47	41	33	32	33	53	48	42	34	33	33				

Performance Data • AHRI Certification and Performance Notes

Model Series 35SXC Stealth XC • Series Flow • AHRI Certification Rating Points

Steri-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						
					Discharge							Radiated											Radiated						
		cfm	l/s		2	3	4	5	6	7	2	3	4	5	6	7	cfm	l/s	"w.g.	Pa	2	3	4	5	6	7			
1	6	400	189	165	68	63	60	62	58	55	54	49	43	38	34	30	400	189	0.10	2.7	55	53	48	43	38	38			
3	8	700	331	400	79	70	67	66	62	59	62	56	49	45	42	38	700	331	0.10	3.8	64	60	54	47	45	45			
5	10	1100	520	680	76	73	71	71	67	66	67	59	50	45	44	41	1100	520	0.10	6.6	67	63	55	47	45	44			

^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) 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 and induction port.
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.