

### Model Comparison

Model	Location		Mounting				Airflow				Application						Drive Type	Impeller Type			Performance			
	Outdoor	Indoor	Roof Curb	Base/Floor	Hanging	Wall	Ceiling Mounted	Exhaust	Supply	Reversible	Recirculate	General/Clean Air	Contaminated Air	Spark Resistant	Grease (UL 705)	Smoke Control (UL)	High Wind (150 mph)	High Temp (above 200°F)	Direct	Centrifugal	Propeller/Axial	Mixed Flow	Maximum Volume (cfm)	Maximum Static Pressure (in. wg)
SP		✓			✓	✓	✓	✓				✓							✓	✓			1,600	1
CSP		✓			✓		✓	✓			✓								✓	✓			3,400	1

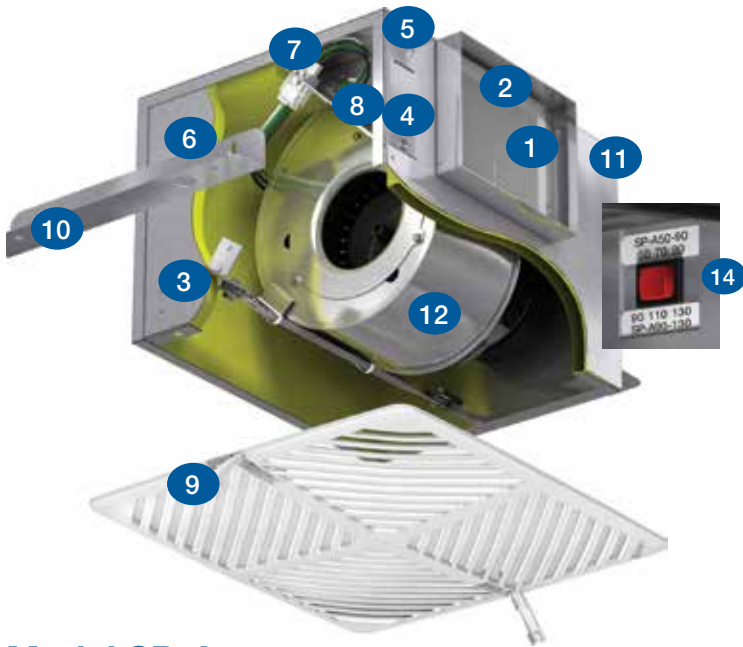


SP fans are designed for ceiling-mounted exhaust applications.

CSP fans are designed for inline supply or exhaust applications.

Model	Level of Construction	Description	Profile min. height	Sound min. sones	Air Volume max. cfm	UL Listing
Ceiling Insert	SP	<b>Premium Constant CFM Ceiling Fan:</b> 3 speed CFM selection	9 inches (229 mm)	<0.3	130 cfm (220 m <sup>3</sup> /hr)	UL/cUL Listed for above bathtub/shower with GFCI branch protected circuit
	SP	<b>Premium Ceiling Fan:</b> Widest selection to meet sound requirements. Select sizes available with Vari-Green® motor.	9 inches (229 mm)	<0.3	1,600 cfm (2718 m <sup>3</sup> /hr)	UL/cUL Listed for above bathtub/shower with GFCI branch protected circuit (Sizes A390 and smaller)
	SP	<b>Deluxe Ceiling Fan:</b> Compact to fit most applications with quiet operation	7 inches (178 mm)	0.8	200 cfm (340 m <sup>3</sup> /hr)	UL/cUL Listed for above bathtub/shower with GFCI branch protected circuit
Inline Fans	CSP	<b>Premium Inline Fan:</b> Widest selection and industry-leading low sound. Select sizes available with Vari-Green® motor.	9 inches (229 mm)	0.8	3,400 cfm (5777 m <sup>3</sup> /hr)	UL/cUL Listed



All dimensions are in inches (millimeters)



**Model SP-A**



**Model SP-B**

Number and Description		Specific Features for Each Model			
		SP-A	SP-B	CSP-A	
1	Backdraft Damper	Durable plastic to reduce backdrafts	70-90	✓	
		Aluminum to reduce backdrafts	110-1550		✓
2	Outlet	Round - For quick and easy connections	70-90 50-90-VG 90-130-VG	✓	
		Square - For quick and easy connections	110-1550		✓
3	Power Pack	Removes quickly for maintenance/replacement	✓	✓	✓
		Includes conversion from horizontal to vertical discharge	✓		✓
4	Electrical Access	Vertical electrical access to eliminate drilling holes	✓	✓	✓
		External electrical access to save installation time	✓		✓
5	Electrical Knockouts	Eliminates drilling holes (horizontal or vertical)	✓	✓	✓
6	Acoustic Insulation	Absorbs sound	✓		✓
7	Disconnect	Servicing is quick and safe	✓	✓	✓
8	Electrical Junction Box	Large for easy wiring	✓	✓	✓
9	Grille	Concealed attachment screws securely fasten grille to housing for quiet, rattle-free operation	✓	✓	
10	Mounting Brackets	Adjustable for multiple installation conditions	✓	✓	✓
11	Housing	Embossed galvanized steel for rigidity	✓	✓	✓
		A low profile for height-restricted areas		✓	
12	Motors	Motors are compatible for use with speed controls and have thermal overload protection  Domestic & International • 50 cycle, 220V or 240V ( <b>see supplemental catalog</b> ) • 60 cycle, 115V, 208V, 220V, 230V, & 277V options (See CAPS or pg. 6 for availability)	✓		✓
13	Access Panel	Gain easy access to internal components once installed	✓	✓	✓
14	CFM Speed Selector	User-controlled internal switch to set fan to operate at one of three speeds for desired airflow	50-90-VG 90-130-VG		
	Exclusive Electrical Wiring Feature	Electrical access cover located on the housing exterior. This feature permits external wiring without removing the power assembly, saving installation time and cost. Available on models SP-A and CSP-A.			
	Double-Wide Fans	Available for applications requiring 700 cfm or greater. Double-wide fans have two double-width forward-curved wheels, which are housed in separate scrolls, and driven by a single motor. Available on models SP-A and CSP-A.			
	Vertical Discharge	Exhaust outlet duct installed in the optional vertical position. The power assembly must be rotated to match the duct adapter position. Available on SP-A and CSP-A models.			

SP Model	115V/60Hz	115V/50Hz	220-240V/50Hz	220-240V/60Hz	277V	EC Motor	Output Power (Watts or HP)	ASHRAE 90.1 Compliant
SP-A70	317723						2.25W	Yes
SP-A90	312280						3.61W	Yes
SP-A110	312281		302574	302574			4.57W	Yes
SP-A125	312282						6.14W	Yes
SP-A50-90-VG	327959	327959	327959	327959		Yes	12W	Yes
SP-A90-130-VG	327960	327960	327960	327960		Yes	12W	Yes
SP-A200	316481						18.65W	Yes
SP-A250	316480						1/30	Yes
SP-A390	304842	304842	311389	311389			1/12	Yes
SP-A390-VG	329508	329508	329508	329508	329508	Yes	1/10	Yes
SP-A410	301817						1/19	Yes
SP-A510	310225		311741	311741			1/12	Yes
SP-A510-VG	329557	329557	329557	329557	329557	Yes	17/100	Yes
SP-A700	318873						1/7	No
SP-A700-VG	328174	328174	328174	328174	328174	Yes	29/100	Yes
SP-A710	301816						1/6	No
SP-A710-VG	329558	329558	329558	329558	329558	Yes	27/100	Yes
SP-A780	309133						1/3	No
SP-A900	318871						1/6	No
SP-A1050	318863						1/4	No
SP-A1050-VG	328173	328173	328173	328173	328173	Yes	1/3	Yes
SP-A1300	329516						1/7	No
SP-A1410	310194						1/3	No
SP-A1550	318865		329309	329309			3/4	No
SP-B50	315037						1W	Yes
SP-B70	315038						3W	Yes
SP-B80	315039						5W	Yes
SP-B90	314955		311735	311735			5W	Yes
SP-B110	310145		311736	311736			8W	Yes
SP-B110ES	356655						9W	Yes
SP-B150	310198		311738	311738			18W	Yes
SP-B200	318872		311737	311737			1/30	Yes

\*Note: All motors are rated for continuous use



Greenheck Fan Corporation certifies that the SP models shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program. The SP models are not AMCA certified with 50 hertz motors.



CSP Model	115V/60Hz	115V/50Hz	220-240V/50Hz	220-240V/60Hz	277V	EC Motor	Output Power (Watts or HP)	ASHRAE 90.1 Compliant
CSP-A110	312281		302574	302574			4.57W	Yes
CSP-A125	312282						6.14W	Yes
CSP-A200	316481						18.65W	Yes
CSP-A250	316480						1/30	Yes
CSP-A390	304842	304842	311389	311389			1/12	Yes
CSP-A390-VG	329508	329508	329508	329508	329508	Yes	1/10	Yes
CSP-A410	301817						1/19	Yes
CSP-A510	310225		311741	311741			1/12	Yes
CSP-A510-VG	329557	329557	329557	329557	329557	Yes	17/100	Yes
CSP-A700	318873						1/7	No
CSP-A700-VG	328174	328174	328174	328174	328174	Yes	29/100	Yes
CSP-A710	301816						1/6	No
CSP-A710-VG	329558	329558	329558	329558	329558	Yes	1/4	Yes
CSP-A780	309133						1/3	No
CSP-A900	318871						1/6	No
CSP-A1050	318863						1/4	No
CSP-A1050-VG	328173	328173	328173	328173	328173	Yes	1/3	Yes
CSP-A1300	329516						3/7	No
CSP-A1410	310194						1/3	No
CSP-A1550	318865						3/4	No
CSP-A1750	318864						3/4	No
CSP-A2150	318864						3/4	No
CSP-A3300-VG	356599	356599	356599	356599	356599	Yes	1	Yes

\*Note: All motors are rated for continuous use



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Models SP and CSP are listed electric fans (UL/cUL 507). Ceiling Exhaust Fans are also UL Listed for above bathtub/shower with GFCI branch protected circuit. File no. E33599. Note: SP/CSP fans are rated for direct contact with insulation.

Products that earn the ENERGY STAR® prevent greenhouse gas emissions by meeting strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and the U.S. Department of Energy.

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Fans that are ENERGY STAR certified include: SP-A70, SP-A90, SP-A110, SP-A125, SP-A200, SP-A250, SP-B50, SP-B70, SP-B80, SP-B90, SP-B110ES, SP-A50-90-VG, SP-A90-130-VG, CSP-A110, CSP-A125, CSP-A200, CSP-A390-VG

# Model SP-A

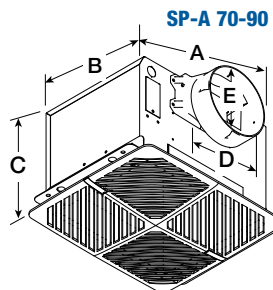
## Premium Ceiling Exhaust Fan

### Model SP-A Dimensions

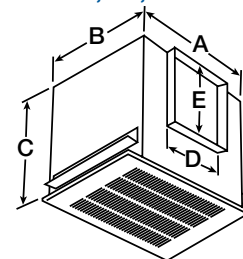
Model	A	B	C	D	E	Grille	Unit Weight
70, 90	13 <sup>1</sup> / <sub>4</sub> (337)	10 <sup>5</sup> / <sub>8</sub> (270)	9 (229)	6 (152)		14 <sup>7</sup> / <sub>8</sub> x 13 <sup>1</sup> / <sub>4</sub> (378 x 337)	12 (5)
110, 125	13 <sup>1</sup> / <sub>4</sub> (337)	10 <sup>5</sup> / <sub>8</sub> (270)	9 (229)	8 (203)	6 (152)		17 (8)
200, 250, 390, 390-VG	14 (356)	11 <sup>1</sup> / <sub>8</sub> (302)	11 <sup>1</sup> / <sub>4</sub> (286)	8 (203)	8 (203)		24 (11)
410, 510, 510-VG, 710-VG	18 (457)	14 <sup>3</sup> / <sub>8</sub> (365)	14 <sup>1</sup> / <sub>2</sub> (368)	8 (203)	8 (203)	19 <sup>3</sup> / <sub>8</sub> x 16 <sup>3</sup> / <sub>8</sub> (492 x 416)	31 (14)
700, 700-VG	23 <sup>5</sup> / <sub>8</sub> (600)	11 <sup>5</sup> / <sub>8</sub> (295)	11 <sup>5</sup> / <sub>8</sub> (295)	19 <sup>1</sup> / <sub>2</sub> (495)	8 (203)	25 <sup>1</sup> / <sub>2</sub> x 13 <sup>1</sup> / <sub>2</sub> (638 x 343)	34 (15)
710, 780	18 (457)	14 <sup>3</sup> / <sub>8</sub> (365)	14 <sup>1</sup> / <sub>2</sub> (368)	10 (254)	8 (203)	19 <sup>3</sup> / <sub>8</sub> x 16 <sup>3</sup> / <sub>8</sub> (492 x 416)	34 (15)
900, 1050, 1050-VG, 1300, 1410, 1550	23 <sup>3</sup> / <sub>4</sub> (603)	14 <sup>3</sup> / <sub>8</sub> (365)	14 <sup>1</sup> / <sub>2</sub> (368)	17 <sup>7</sup> / <sub>16</sub> (443)	8 (203)	25 x 16 <sup>3</sup> / <sub>8</sub> (635 x 416)	56 (25)

All dimensions are in inches (millimeters) and weight in pounds (kilograms).  
Outlet connection width is 1 in. (25 mm). Mounting bracket width is 1 1/2 in. (38 mm).  
For complete dimensional information, see CAPS submittal drawings.

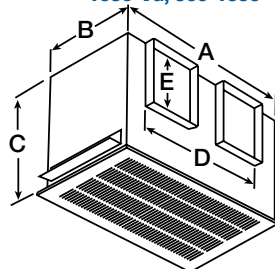
\*Amp and Watt draw is approximate and may vary based on motor manufacturer.  
Below performance is for 115V.



SP-A 110-510, 390-VG, 510-VG,  
710-VG, 710, 780



SP-A 700, 700-VG,  
1050-VG, 900-1550



Model	ENERGY STAR®	Control Voltage	RPM	Amps*	Max. Input Watts*	CFM / Static Pressure in Inches wg											
						0	0.1	0.125	0.25	0.375	0.5	0.625	0.75	0.875	1.0	1.25	
SP-A70	☆		790	0.14	15.6	CFM	88	74	71	54							
						Sones	<0.3	<0.3	<0.3	<0.3							
						CFM/Watt*	5.64	4.97	4.83	4.12							
						Watts*	15.6	14.9	14.7	13.1							
SP-A90	☆		870	0.14	16.9	CFM	114	101	98	80							
						Sones	<0.3	<0.3	<0.3	0.4							
						CFM/Watt*	6.75	6.20	6.95	5.33							
						Watts*	16.9	16.3	14.1	15							
SP-A110	☆		950	0.16	19.4	CFM	130	119	115	98							
						Sones	<0.3	<0.3	<0.3	0.5							
						CFM/Watt*	6.70	6.33	6.15	5.54							
						Watts*	19.4	18.8	18.7	17.7							
SP-A125	☆		1010	0.19	23	CFM	144	130	127	109							
						Sones	0.4	0.4	0.4	0.6							
						CFM/Watt*	6.26	5.73	5.62	5.00							
						Watts*	23.0	22.7	22.6	21.8							
SP-A250	☆		1000	0.56	67	CFM	294	274	271	250	230	201	147	92			
						Sones	2.5	2.5	2.5	3.0	3.5	4.0	5.0	5.0			
						CFM/Watt*	4.39	4.18	4.12	3.89	3.67	3.36	2.65	1.80			
						Watts*	67.0	65.6	65.8	64.2	62.6	59.8	55.4	51.2			
SP-A390			1350	1.34	135	CFM	410	395	391	368	345	325	307	279			
						Sones	4.5	4.5	4.5	4.5	5.0	5.0	5.5	5.5			
						CFM/Watt*	276	251	248	233	215	196	173	146	120	93	
SP-A390-VG		6	935	0.70	47	Sones	2.0	2.0	2.0	2.5	3.0	3.5	4.0	5.0	6.0	6.0	
						CFM	410	395	390	370	361	349	338	325	307	294	
		10	1340	1.46	100	Sones	5.0	5.0	5.0	5.0	5.0	6.0	6.5	7.0	7.0	7.0	
						CFM	443	413	405	351	306						
SP-A410			1000	1.74	121	Sones	3.5	3.0	3.0	3.0	3.5						
						CFM	557	512	501	439	392	325					
SP-A510			1070	3.30	224	Sones	5.0	4.5	4.5	4.5	4.5	4.0					
						CFM	399	354	341	255							
						Sones	4.5	4.0	4.0	3.5							
						CFM	604	583	576	540	495	443	377				
SP-A510-VG			850	0.75	49.1	Sones	8.0	8.0	8.0	7.5	7.0	7.0	6.5				
						CFM	790	762	753	728	701	659	621	547	474	382	
						Sones	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.5	
						CFM	568	527	517	466	419	372	329	275	223	170	
SP-A700			1015	2.98	351	Sones	3.5	3.5	3.5	3.5	4.0	4.5	5.0	6.0	7.0	9.0	
						CFM	801	774	766	729	699	666	634	597	569	530	
						Sones	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.5	7.5	8.0	
						CFM	752	714	701	653	588	486	320				
SP-A710			1080	4.40	285	Sones	6.0	6.0	6.0	6.0	6.0	5.5					
						CFM	441	410	397	327							
						Sones	4.5	4.5	4.0	4.0							
						CFM	709	685	677	656	621	580	534	483	399		
SP-A710-VG			925	0.96	60.4	Sones	9.5	9.5	9.0	9.0	9.0	8.5	8.5	8.0	8.0		
						CFM	441	410	397	327							
			1450	3.39	230	Sones	4.5	4.5	4.0	4.0							
						CFM	709	685	677	656	621	580	534	483	399		

# Model SP-A

## Premium Ceiling Exhaust Fan



Model	ENERGY STAR®	Control Voltage	RPM	Amps*	Max. Input Watts*	CFM / Static Pressure in Inches wg											
						0	0.1	0.125	0.25	0.375	0.5	0.625	0.75	0.875	1.0	1.25	
SP-A780			1600	3.30	348	CFM	812	782	775	741	704	665	625	581			
						Sones	8.5	8.5	8.5	8.0	8.0	8.0	8.0	8.0			
SP-A900			1055	2.78	301	CFM	971	925	915	866	814	754	694	621	433	327	
						Sones	6.0	5.5	5.0	5.0	5.0	5.0	5.5	5.5	6.0	6.5	
SP-A1050			1250	4.05	438	CFM	1144	1098	1084	1032	987	935	875	809	734	561	
						Sones	7.0	7.0	7.0	7.0	6.5	6.5	6.5	6.5	7.0	7.0	
SP-A1050-VG		6	1050	1.94	120	CFM	838	789	779	735	685	632	579				
						Sones	4.0	4.0	4.0	4.0	4.0	4.5	5.0				
		10	1225	3.75	240	CFM	1162	1106	1092	1023	944	831	668				
						Sones	7.5	7.0	7.0	7.0	6.5	6.0	5.0				
SP-A1300			1535	5.33	607	CFM	1396	1360	1348	1304	1260	1216	1168	1111	1045	971	701
						Sones	10.0	10.0	10.0	9.5	9.5	9.5	9.0	9.0	9.0	8.5	8.5
SP-A1410			1450	7.40	786	CFM	1455	1415	1404	1353	1307	1262	1218	1174			
						Sones	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0			
SP-A1550			1695	6.07	695	CFM	1559	1518	1503	1456	1402	1346	1300	1239	1172	1095	876
						Sones	11.5	11.0	11.0	11.0	10.5	10.0	10.0	9.5	9.5	9.0	8.5

\*Amp and Watt draw is approximate and may vary based on motor manufacturer. Below performance is for 115V.

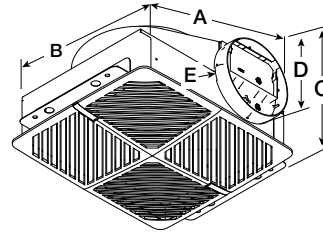
Performance certified is for model SP exhaust for installation type B: Free inlet, Ducted outlet. Performance ratings include the effects of an inlet grille and backdraft damper. Speed (rpm) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in spherical fan sones at 5 ft (1.5m) in a spherical free field calculated per Annex B of AMCA 311. Values shown are for installation type B: free inlet spherical fan sone levels.

# Model SP-B

## Deluxe and Standard Ceiling Exhaust Fan

### Model SP-B

Model SP-B Dimensions							
Model	A	B	C	D	E	Grille	Unit Weight
50, 70, 80	13 <sup>7</sup> / <sub>8</sub> (352)	11 <sup>1</sup> / <sub>2</sub> (292)	7 (179)	6 (152)	1 <sup>1</sup> / <sub>4</sub> (32)	14 <sup>7</sup> / <sub>8</sub> x 13 <sup>1</sup> / <sub>4</sub> (378 x 337)	9 (4)
90, 110, 110ES, 150, 200	13 <sup>7</sup> / <sub>8</sub> (352)	11 <sup>1</sup> / <sub>2</sub> (292)	7 (179)	6 (152)	1 <sup>1</sup> / <sub>4</sub> (32)		10 (5)



All dimensions are in inches (millimeters) and weight in pounds (kilograms). Mounting bracket width is 1<sup>1</sup>/<sub>2</sub> in. (38 mm). For complete dimensional information, see CAPS submittal drawings.

◆Continuous Ventilation Compatible: Low speed continuous operation is adjustable from 30 cfm to full rated fan speed.

\*Amp and Watt draw is approximate and may vary based on motor manufacturer. Below performance is for 115V.

Model		ENERGY STAR®	Continuous Ventilation Compatible	RPM	Amps*	Max. Input Watts*	CFM / Static Pressure in Inches wg											
							0	0.1	0.125	0.25	0.375	0.5	0.625	0.75	0.875	1.0		
SP-B50	☆			580	0.13	15.9	CFM	79	63	60	45	28						
							Sones	<0.3	0.4	0.5	1.1	2.5						
							CFM/Watt*	4.97	4.04	3.87	2.99	1.92						
							Watt*	15.89	15.59	15.50	15.06	14.57						
SP-B70	☆			675	0.16	17.1	CFM	89	75	71	54	35						
							Sones	0.8	0.8	0.9	1.4	2.0						
							CFM/Watt*	5.20	4.46	4.25	3.27	2.27						
							Watt*	17.10	16.80	16.70	16.50	15.41						
SP-B80	☆	◆		900	0.16	18.6	CFM	94	81	77	62	46						
							Sones	0.8	0.9	0.9	1.3	2.0						
							CFM/Watt*	5.05	4.40	4.21	3.44	2.71						
							Watt*	18.60	18.40	18.30	18.00	16.95						
SP-B90	☆			700	0.18	21.1	CFM	104	92	89	72	57						
							Sones	1.0	1.0	1.0	1.5	2.0						
							CFM/Watt*	4.93	4.40	4.24	3.48	2.88						
							Watt*	21.10	20.90	21.00	20.70	19.77						
SP-B110				950	1.14	80.2	CFM	133	114	110	97	95	94	91	85	72	50	
							Sones	1.5	1.5	1.5	2.0	2.0	2.0	3.0	3.5	4.0	4.5	
							CFM/Watt*	130	118	115	100	86	73	58	37			
							Watt*	1.5	1.5	1.5	2.0	2.5	3.0	3.5	4.0			
SP-B110ES	☆	◆		650	0.25	29.7	CFM	4.38	4.03	3.95	3.50	3.08	2.70	2.24	1.48			
							Sones	29.65	29.27	29.15	28.57	27.89	27.08	25.95	24.97			
							CFM/Watt*	160	156	155	154	149	147	138	123	92		
							Watt*	2.5	2.5	2.5	3.0	3.5	3.5	4.0	4.5	5.0		
SP-B150				1050	1.70	128	CFM	208	211	212	216	216	210	197	176	157	130	
							Sones	5.0	5.5	5.5	6.0	6.5	6.5	6.5	6.5	6.0	6.0	
							CFM/Watt*	208	211	212	216	216	210	197	176	157	130	
							Watt*	2.5	2.5	2.5	3.0	3.5	3.5	4.0	4.5	5.0		
SP-B200				980	2.41	185	CFM	208	211	212	216	216	210	197	176	157	130	
							Sones	5.0	5.5	5.5	6.0	6.5	6.5	6.5	6.5	6.0	6.0	
							CFM/Watt*	208	211	212	216	216	210	197	176	157	130	
							Watt*	2.5	2.5	2.5	3.0	3.5	3.5	4.0	4.5	5.0		

Performance certified is for model SP exhaust for installation type B: Free inlet, Ducted outlet. Performance ratings include the effects of an inlet grille and backdraft damper. Speed (rpm) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in spherical fan sones at 5 ft (1.5m) in a spherical free field calculated per Annex B of AMCA 311. Values shown are for installation type B: free inlet spherical fan sone levels.