

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



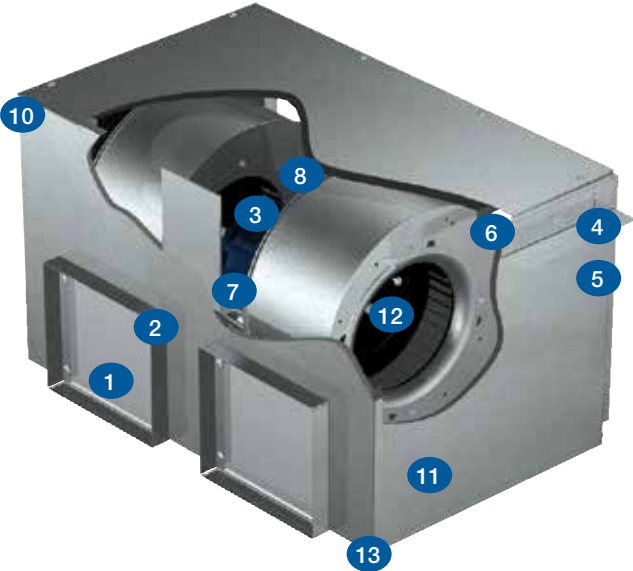
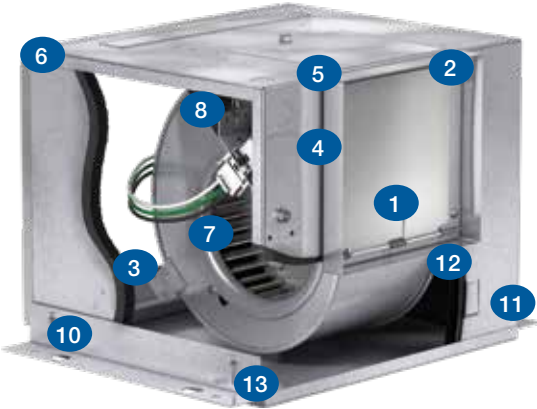
SP fans are designed for ceiling-mounted exhaust applications.



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	Premium Constant CFM Ceiling Fan: 3 speed CFM selection	9 inches (229 mm)	<0.3	130 cfm (220 m ³ /hr)	UL/cUL Listed for above bathtub/shower with GFCI branch protected circuit
	SP	Premium Ceiling Fan: Widest selection to meet sound requirements. Select sizes available with Vari-Green® motor.	9 inches (229 mm)	<0.3	1,600 cfm (2718 m ³ /hr)	UL/cUL Listed for above bathtub/shower with GFCI branch protected circuit (Sizes A390 and smaller)
	SP	Deluxe Ceiling Fan: Compact to fit most applications with quiet operation	7 inches (178 mm)	0.8	200 cfm (340 m ³ /hr)	UL/cUL Listed for above bathtub/shower with GFCI branch protected circuit
Inline Fans	CSP	Premium Inline Fan: 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 ³ /hr)	UL/cUL Listed

All dimensions are in inches (millimeters)

Model CSP-A



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 (see supplemental catalog) • 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.



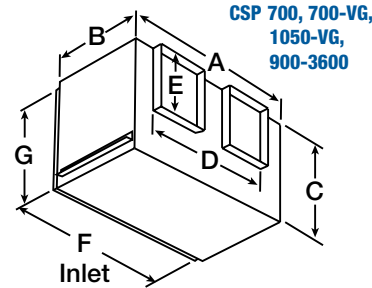
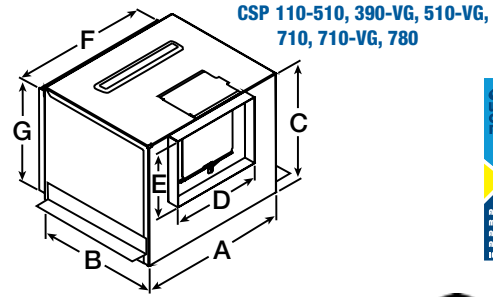
Fans that are ENERGY STAR certified include: SP-A70, SP-A90, SP-A110, SP-A125, SP-A200, SP-A250, SP-B50, SP-B70, SP-B80, SP-B90, SP-B110ES, SP-A50-90-VG, SP-A90-130-VG, CSP-A110, CSP-A125, CSP-A200, CSP-A390-VG

Model CSP-A

Premium Inline Cabinet Fan

Model CSP-A Dimensions

Model	A	B	C	D	E	F	G	Unit Weight
110, 125	13¼ (337)	10⅝ (270)	9 (229)	8 (203)	6 (152)	12 (305)	9¼ (235)	16 (7)
200, 250, 390, 390-VG	14 (356)	11⅞ (302)	11¼ (286)	8 (203)	8 (203)	12⅞ (327)	10 (254)	23 (10)
410, 510, 510-VG, 710-VG	18 (457)	14⅞ (365)	14½ (368)	8 (203)	8 (203)	16⅞ (429)	13¼ (337)	36 (16)
700, 700-VG	23⅝ (600)	11⅝ (295)	11⅝ (295)	19½ (495)	8 (203)	22⅝ (575)	10½ (267)	34 (15)
710, 780	18 (457)	14⅞ (365)	14½ (368)	10 (254)	8 (203)	16⅞ (429)	13¼ (337)	36 (16)
900, 1050, 1050-VG, 1300 1410, 1550	23¾ (603)	14⅞ (365)	14½ (368)	17⅞ (443)	8 (203)	22⅝ (575)	13¼ (337)	59 (27)
1750, 2150	35 (889)	14¾ (375)	14¾ (375)	28 (711)	6 (152)	32¾ (832)	13 (330)	68 (31)
3300-VG	45½ (1156)	16½ (419)	16½ (419)	40 (1016)	11 (279)	43¼ (1099)	14⅞ (371)	122 (55)



All dimensions are in inches (millimeters) and weight in pounds (kilograms). Inlet and outlet connection widths are 1 in. (25 mm). Mounting bracket width is 1½ in. (38 mm). For complete dimensional information, see CAPS submittal drawings.

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		
CSP-A110	☆		950	0.16	19.7	CFM	131	111	107	85	38						
						Sones	0.8	0.8	0.8	0.9	0.9						
						CFM/Watt*	6.65	5.78	5.61	4.70	2.39						
						Watts*	19.7	19.2	19.1	18.1	15.9						
CSP-A125	☆		980	0.19	22.4	CFM	149	129	125	103	52						
						Sones	1.1	1.1	1.1	1.0	1.2						
						CFM/Watt*	6.64	5.82	5.65	4.79	2.61						
						Watts*	22.4	22.2	22.1	21.5	19.9						
CSP-A200	☆		825	0.48	56.8	CFM	264	240	235	214	191	154	98	62			
						Sones	0.6	0.4	0.5	0.9	1.0	1.3	1.5	1.5			
						CFM/Watt*	4.65	4.28	4.20	3.89	3.58	3.04	2.10	1.38			
						Watts*	56.8	56.1	55.9	55.0	53.4	50.7	46.7	45.1			
CSP-A250			1000	0.79	67	CFM	266	246	241	221	205	187	165	132			
						Sones	0.9	1.0	1.0	2.0	2.5	3.0	2.5	2.5			
						CFM/Watt*	66.5	65.6	65.4	64.0	62.7	61.2	59.4	56.6			
						Watts*	412	400	397	382	363	339	324	309			
CSP-A390			1350	1.33	161	CFM	412	400	397	382	363	339	324	309			
						Sones	2.0	2.0	2.0	2.5	3.0	4.0	4.5	4.5			
						CFM/Watt*	160.8	158.5	157.9	152.4	147.9	141.8	135.4	130.0			
						Watts*	270	244	239	212	191	164	137	104	78	57	
CSP-A390-VG	☆	6	870	0.66	42	CFM	270	244	239	212	191	164	137	104	78	57	
						Sones	0.3	<0.3	0.3	0.6	0.7	1.1	1.4	2.0	2.0	2.5	
						Watts*	22.8	25.0	25.2	27.0	29.8	33.4	36.3	39.6	40.6	42.2	
		10	1260	1.45	98	CFM	417	400	395	369	350	335	322	307	290	271	
						Sones	1.2	1.3	2.0	1.3	0.9	1.4	2.0	2.5	3.0	3.0	
						Watts*	77.1	79.3	80.3	82.9	83.5	86.8	89.6	93.1	94.9	97.7	

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

Model CSP-A

Premium Inline Cabinet 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	1.5				
CSP-A410			1000	1.87	132	CFM	447	441	403	364	317	217									
						Sones	1.5	1.5	1.5	2.0	2.0	2.0									
						Watts*	132.2	131.7	128.7	125.6	120.5	112.4									
CSP-A510			1070	3.11	218	CFM	545	514	506	464	405	324									
						Sones	2.5	2.0	2.0	2.0	2.0	2.5									
						Watts*	218.2	214.3	213.3	207.0	196.4	182.8									
CSP-A510-VG			850	0.86	55	CFM	428	358	338	238											
						Sones	0.8	0.6	0.5	0.3											
						Watts*	54.8	48.9	47.0	35.8											
			1275	2.40	160	CFM	621	590	583	540	479	414	328								
						Sones	1.5	1.4	1.4	1.3	1.2	1.5	2.0								
						Watts*	154.4	159.6	160.1	156.1	140.7	123.1	99.9								
CSP-A700			1035	3.16	368	CFM	866	827	817	758	720	694	648	594	419	330					
						Sones	1.1	1.1	1.1	1.1	1.2	1.5	2.0	2.0	2.5	3.0					
						Watts*	367.9	351.0	347.0	330.0	321.8	312.0	298.3	284.1	249.6	231.4					
CSP-A700-VG		6	1275	1.83	110	CFM	625	570	558	504	450	402	348	261	213	167	67				
						Sones	<0.3	<0.3	<0.3	<0.3	<0.3	0.8	1.1	1.5	2.0	2.5	3.0				
						Watts*	55.6	58.7	60.0	63.5	69.4	76.5	83.8	89.5	95.3	101.0	108.2				
			1450	3.53	216	CFM	895	857	848	803	760	725	688	647	604	556	479				
						Sones	1.0	1.0	1.0	1.0	1.0	1.2	1.5	1.5	2.0	2.5	3.0				
						Watts*	157.1	160.6	161.3	168.5	169.4	173.1	179.9	187.1	193.6	201.4	215.3				
CSP-A710			1080	4.40	333	CFM	737	698	688	635	567	475	334								
						Sones	2.5	2.5	2.5	2.5	2.0	2.0	2.0								
						Watts*	332.5	324.1	322.0	310.8	295.8	277.4	255.2								
CSP-A710-VG			925	1.08	68	CFM	470	415	405	322											
						Sones	0.6	0.4	0.4	0.4											
						Watts*	67.8	61.2	60.6	49.0											
			1450	3.51	236	CFM	730	699	690	654	622	574	514	446	349						
						Sones	2.0	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.0						
						Watts*	236.0	234.2	231.4	223.1	218.9	200.8	180.0	156.8	119.9						
CSP-A780			1600	3.77	496	CFM	813	784	777	742	707	672	638	603	567	527					
						Sones	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5					
						Watts*	496.4	493.0	492.2	488.0	467.5	453.1	441.8	423.1	407.2						
CSP-A900			895	2.91	318	CFM	930	875	865	811	755	686	558	411	290						
						Sones	0.4	0.3	0.3	0.3	0.4	0.9	1.4	2.0	2.5						
						Watts*	318.3	308.1	305.5	297.7	289.8	278.0	260.9	245.7	225.5						
CSP-A1050			1070	4.29	467	CFM	1108	1059	1050	1001	958	912	857	793	723	498					
						Sones	1.1	1.0	1.0	1.0	1.1	1.3	1.5	2.0	2.0	3.0					
						Watts*	466.8	451.2	450.1	440.1	430.8	419.3	404.3	389.1	372.7	329.6					
CSP-A1050-VG		6	1050	1.90	115	CFM	805	754	741	689	642	597	547								
						Sones	<0.3	<0.3	<0.3	0.4	0.5	1.0	1.5								
						Watts*	79.8	85.2	85.0	91.4	97.4	105.5	114.9								
			1225	3.85	241	CFM	1131	1105	1092	1047	998	900	758								
						Sones	1.0	0.9	0.9	1.0	1.2	1.3	1.4								
						Watts*	220.7	231.5	231.5	239.7	239.9	216.7	173.9								
CSP-A1300			1300	6.82	761	CFM	1313	1283	1277	1245	1213	1181	1144	1098	1046	978	791				
						Sones	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.5	3.0	3.5	3.5				
						Watts*	761.3	728.3	720.9	694.0	667.0	640.5	608.3	578.6	542.9	509.9	416.3				
CSP-A1410			1450	7.80	871	CFM	1584	1543	1533	1483	1439	1395	1345	1293	1238	1181					
						Sones	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.0	4.0					
						Watts*	870.8	837.9	829.9	788.2	751.0	728.3	696.3	661.8	628.8	595.9					
CSP-A1550			1625	8.18	934	CFM	1735	1689	1680	1627	1570	1511	1453	1387	1322	1257	1085				
						Sones	5.0	5.0	5.0	4.5	4.0	4.5	4.5	4.5	4.5	4.5	5.0				
						Watts*	934.3	902.7	899.6	865.1	837.0	803.2	774.9	736.0	698.4	664.3	577.7				
CSP-A1750			1325	10.30	1153	CFM	2012	1954	1943	1871	1805	1738	1669	1593	1508	1416	1152	705			
						Sones	3.0	3.0	3.0	3.0	3.0	3.5	3.5	4.0	4.5	5.0	5.0				
						Watts*	1152.8	1105.0	1095.6	1037.8	989.5	947.5	909.7	867.6	823.5	781.5	673.3	520.0			
CSP-A2150			790	11.55	1285	CFM	2167	2110	2082	2014	1963	1915	1853	1783	1702	1614	1400	887			
						Sones	3.0	3.0	3.0	3.0	3.0	3.5	3.5	4.0	4.0	4.5	5.0	5.0			
						Watts*	1284.7	1244.2	1214.2	1150.0	1111.8	1062.9	1010.9	961.2	912.8	866.3	764.6	556.8			
CSP-A3300-VG		6	820	6.18	507.3	CFM	2445	2367	2344	2264	2195	2149	2072	1965	1851	1664					
						Sones	2.5	2.5	2.0	2.0	2.5	3.0	3.0	3.5	4.0	4.0					
						Watts*	342.9	350.5	353.3	375.8	397.9	408.6	433.6	457.5	476.7	507.3					
			10	1090	12.34	1048.9	CFM	3401	3342	3312	3271	3154	3083	2956	2879	2766	2439				
							Sones	5.0	5.0	4.5	4.5	4.0	4.5	4.5	4.5	5.0	4.5				
							Watts*	955.4	972.8	979.8	1007.7	1023.1	1048.8	1000.7	966.9	928.3	803.9				

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

Performance certified is for model CSP inline for installation type D: Ducted inlet, Ducted outlet. Performance ratings include the effects of a 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 D: ducted inlet spherical fan sone levels. Ratings do not include the effect of duct end correction. Ratings are based on 10 ft of insulated duct.