Most Efficient
2023
ENERGY STAR
www.energystar.gov

GREENHECK
Building Value in Air.

January
2023

The Evolution of High-Performance Ventilation

Our specification grade ventilation fans help ensure that you meet code, exceed your customers' expectations, and eliminate costly callbacks.

Exclusive Features:

- **MASTER**SPEC™ SP-AP Series is powered by an electronically commutated motor (ECM) with **Constant CFM** adaptive, variable speed technology programmed to overcome the static pressure associated with common residential installation scenarios (0.4 in. wg and above). The motor reacts to increased static pressure by increasing its speed to ensure you have the airflow required to remove unhealthy air and moisture.

- The EC motor can be controlled with a built-in **Precision Airflow Selector**, which allows you to dial in the airflow required to match your design or code requirements.

- Greenheck's specification-grade ventilation fans are all **designed, tested and certified (air & sound) for 0.4 in. wg and above**, so there are no surprises, you get the airflow that you paid for and eliminate callbacks.

- The SP-AP0511W/L offer **plug-and-play customization** so you can easily customize your fan in the field with two optional USB plug-in modules (humidity and CO_2).

- The **Universal Duct Adapter** allows quick connections to 4 in., 5 in., and 6 in. ducting.

SP-AP0511W

SPECIFICATION GRADE
0.4 IN WG
CERTIFIED
& ABOVE
TESTED & CERTIFIED

SP-AP0511WL (lighted)

Additional Benefits

- The virtually silent EC motor features three built-in high-speed airflow settings of 50, 80, and 110 cfm and a built-in 0 to 60 minute time delay providing you with flexibility in design and adjustability in the field.

- Standard two-speed (commonly known as whole-house ventilation) operation can meet ASHRAE 62.2, LEED, CalGreen, EPA Indoor airPLUS, California Title 24, Washington State Residential Ventilation and Indoor Air Quality Code, and ENERGY STAR® for Homes.

- A quick-mount bracket enables installation from below the ceiling. New construction and retrofit installations are quick and easy.

- UL listed for tub/shower enclosure when GFCI protected.

- SP-AP0511WL includes a 10W dimmable LED chip panel, 750 lumens, 3000K warm white color temperature, and Rated Life of 50,000 hours.

- Three-year warranty on EC motor and parts, excluding light.

Optional Plug-and-Play Accessories:

Humidity Sensor – This simple USB plug-in control module monitors humidity levels. When elevated humidity levels are detected, it automatically controls the fan to effectively remove moisture and reduce the risk of mold and mildew. The sensor's sensitivity (30% to 80% Relative Humidity (RH)) can be easily adjusted in the field and complies with green building code requirements. The humidity sensor can also be used in harmony with whole-house ventilation operation. The fan automatically boosts the airflow to the high-speed setting in this mode when high humidity levels are detected.

Humidity Sensor
386691

CO_2 – This exclusive USB plug-in IAQ control module tracks carbon dioxide levels and is an inexpensive and powerful way to monitor and lessen the risk of COVID-19 transmission at home. When CO_2 concentrations exceed the OSHA/ASHRAE recommended maximum of 1000 ppm, the sensor will turn on the fan and continue to operate the fan until CO_2 levels are below 800 ppm (a typical value-level representing an indoor area with good ventilation). High CO_2 levels are linked to significant increases in drowsiness, tiredness, headaches, lower levels of concentration, and an increased likelihood of spreading respiratory viruses.

CO_2 Sensor
386693

Specification Comparison

Features and Benefits	SPEC Grade	Residential Grade
Part Number	SP-AP	FAN
Installed Performance		
Certified CFMs at 0.4 in. wg and above	✓	X
Certified Sones at 0.4 in. wg and above	✓	X
Precision Airflow Selector	✓	X
Customization		
Humidity & CO_2 Plug-and-Play Options	✓	X
Convenience		
Universal Duct Adaptor (4, 5 or 6 inch)	✓	X

Highlighted ratings at **0.25 in. wg** are required to meet ENERGY STAR® certification and **0.4 in. wg** represents the static pressure found in common installations.

Model	ENERGY STAR®	CFM Selection	RPM	Max Amps	Max Watts		CFM/Static Pressure in Inches wg				
							0.1	0.25	0.4	0.5	0.625
SP-AP0511W	☆	50	828	0.26	16.4	CFM	50	50	50	50	50
						Sones	<0.3	0.7	1.5	2	3.5
						CFM/Watt	11.9	7.4	5.4	4.7	3.9
						Watts	5	8.6	12.3	14.4	16.4
		80	817	0.26	17.0	CFM	80	80	80	74	52
						Sones	<0.3	0.8	1.5	2	3
						CFM/Watt	12.8	8.2	6.2	4.9	3.6
						Watts	7	11.3	15.4	17	16.1
		110	880	0.33	21.5	CFM	110	110	110	75	54
						Sones	0.6	1.1	2	2	3
						CFM/Watt	11.9	8.1	6	4.9	3.7
						Watts	10.3	15.5	21.5	17.1	16.2
SP-AP0511WL	☆	50	829	0.25	16.1	CFM	50	50	50	50	50
						Sones	<0.3	0.7	1.4	2	2.5
						CFM/Watt	11.7	7.3	5.4	4.5	3.6
						Watts	5	8.6	12.2	14.7	16.1
		80	878	0.25	16.7	CFM	80	80	80	69	50
						Sones	0.4	1.2	2	2.5	3
						CFM/Watt	12.3	7.9	5.8	4.6	3.5
						Watts	7.3	11.7	16.1	16.7	16
		110	1004	0.32	22.0	CFM	110	110	109	69	50
						Sones	0.8	1.4	2.5	2	2.5
						CFM/Watt	10.2	7.3	5.6	4.6	3.5
						Watts	12.1	17.1	21.5	16.6	16

Certified for Air and Sound through the Home Ventilating Institute. Airflow data reflects all performance points that would meet or exceed the ASHRAE 62.2 minimum requirement of 50 cfm for bathroom exhaust.

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HVI 2100 CERTIFIED

SP-AP0511W and SP-AP0511WL are recognized as the Most Efficient of ENERGY STAR® 2023

Data shown is HVI tested and certified with 6" duct connector. For additional certified data points, see the HVI-certified products directory.

Our Commitment

As a result of our commitment to continuous improvement, Greenheck reserves the right to change specifications without notice.

Product warranties can be found online at Greenheck.com, either on the specific product page or in the literature section of the website at Greenheck.com/Resources/Library/Literature.

Visit Greenheck.com/ceiling-exhaust-fans to learn more.

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