



VQ-AP0511W • VQ-AP0511WL

Demand-Controlled Whole-House Continuous Ventilation

The VQ-AP series of fans are powered by virtually silent electronically commutated (EC) motors with adaptive 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 meet code and remove unhealthy air and moisture.

Additional Features

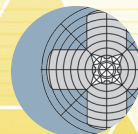
- The EC motor can be controlled with a built-in Precision Airflow Selector, which allows you to dial in the airflow required to match your design or code requirements.
- Plug-and-play customization so you can easily customize your fan in the field with three optional USB plug-in modules (humidity, motion*, and CO₂).
- Standard two-speed (commonly known as whole-house continuous ventilation) operation which 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.
- The Universal Duct Adapter allows quick connections to 4 in., 5 in., and 6 in. ducting.
- 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.
- VQ-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.

**Motion sensor available on non-lighted fan only.*

TYPICAL APPLICATIONS

Bathrooms • Multifamily Housing
Hospitals • Schools • Hotels

INLINE AND CEILING FANS



VQ-AP0511W & VQ-AP0511WL Performance

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
VQ-AP0511W	☆	50	828	0.26	16.4	CFM	50	50	50	50	50
						Sones	<0.3	0.7	1.5	2.0	3.5
						Watts	5.0	8.6	12.3	14.4	16.4
						CFM/Watt	11.9	7.4	5.4	4.7	3.9
		80	817	0.26	17.0	CFM	80	80	80	74	52
						Sones	<0.3	0.8	1.5	2.0	3.0
						Watts	7.0	11.3	15.4	17.0	16.1
						CFM/Watt	12.8	8.2	6.2	4.9	3.6
		110	880	0.33	21.5	CFM	110	110	110	75	54
						Sones	0.6	1.1	2.0	2.0	3.0
						Watts	10.3	15.5	21.5	17.1	16.2
						CFM/Watt	11.9	8.1	6.0	4.9	3.7
VQ-AP0511WL	☆	50	841	0.26	16.6	CFM	50	50	50	50	43
						Sones	<0.3	0.7	1.4	2.0	2.5
						Watts	5.4	9.1	13.9	15.6	16.6
						CFM/Watt	9.8	5.9	4.4	3.8	2.6
		80	890	0.27	18.4	CFM	80	80	80	69	44
						Sones	0.4	1.0	2.0	2.5	3.0
						Watts	7.9	12.4	18.4	17.6	16.8
						CFM/Watt	10.9	7.3	4.9	4.0	3.1
		110	991	0.35	22.4	CFM	110	110	109	69	44
						Sones	0.8	1.4	2.5	2.0	2.5
						Watts	12.5	18.2	22.4	17.5	16.7
						CFM/Watt	9.6	6.7	5.7	4.0	3.0

HVI certification applies to highlighted values only. All data shown represents testing in HVI certified lab with 6 in. ducting. For additional data points, see HVI certified product directory.



Optional Plug-and-Play Accessories

Humidity Sensor – When elevated humidity levels are detected, the USB plug-in module 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.

Motion Sensor – Using Passive Infrared (PIR) technology to detect motion, this sensor automatically turns the fan on/off for effective odor or moisture control. Once the sensor no longer detects motion, it activates a delay off timer (field adjustable from 0 to 60 minutes) that enables the fan to continue to operate the appropriate amount of time necessary to remove all the unhealthy air. The motion sensor can be utilized in harmony with whole-house ventilation operation. The fan will automatically boost the airflow to the high-speed setting in this mode when motion is detected. *Motion sensor available on non-lighted fan only.

CO₂ – When CO₂ concentrations exceed the OSHA/ASHRAE recommended maximum of 1000 ppm, this sensor will turn on and continue to operate the fan until CO₂ levels are below 800 ppm (a typical value-level representing an indoor area with good ventilation). High CO₂ levels are linked to significant increases in drowsiness, tiredness, headaches, lower levels of concentration, and an increased likelihood of spreading respiratory viruses.



Humidity Sensor
386691



Motion Sensor
387323



CO₂ Sensor
386693

