SUPER VAC

U.S. PATENT NOS.
11,131,321 AND 11,795,970
AND PATENTS PENDING

V16-BL-SP Variable-Speed Battery Fan

Compact. Lightweight. And reliable. Introducing the all-new Super Vac 16" variable-speed battery fan. This PPV works with Milwaukee REDLITHIUM 18V batteries, making it the most compatible PPV interface on the market. This nimble fan weighs only 45 lbs. and is 22.75" tall x 23" wide x 12" deep, turning this fan into the industry's lightweight champ.

Features

1. **Compact, Roll-Cage Frame:** Features a tough yet lightweight aluminum frame to protect key components while providing a compact, lightweight design
2. **180-Degree Tilt:** Provides the largest tilt range among battery fans, allowing airflow to be directed virtually anywhere
3. **Milwaukee REDLITHIUM 18V batteries:** Provide up to 46 minutes of max airflow, depending on battery selection
4. **Polymer Blade:** Minimizes weight; Super Vac's single-piece cast aluminum blade is available by request
5. **Precision-Spun Steel Shroud with StreamShaper Guard:** Shroud provides durability with max airflow, while the StreamShaper guard allows for flexible setback; Air Cone Guard available by request

5-YEAR WARRANTY

3-YEAR WARRANTY ON MOTOR

16" Blades - H x W x D: 22.75" x 23" x 12" - 580 mm x 585 mm x 305 mm

Model	Weight With Batteries and Shore Power	Motor	Setback For Output Rating	Angle For Output Rating	AMCA 240-22 Certified Output
V16-BL-SP	45 lbs *20 kg*	Totally Enclosed Variable-Speed DC	15 ft 4.6 m	10°	7,721 cfm* 13,118 cmh*

*See back for disclaimer.

Battery Options

	Compatible Battery	Run Time At Max Airflow
	Milwaukee REDLITHIUM™ FORGE™ XC8.0 (2)	31 minutes (with built-in battery gauge)
	Milwaukee REDLITHIUM™ FORGE™ HD12.0 (2)	46 minutes (with built-in battery gauge)

**Up to 46 minutes run time, depending on battery selection.
120-240V AC operation is standard (with optional delete).

POSITIVE PRESSURE VENTILATOR

A Super Vac, part number V16-BL-SP, 16" variable-speed battery fan shall be supplied. The unit shall be designed with a lightweight roll-cage frame with strategic placement of bracing members to enable easy carrying of the fan.

The entire frame of the unit shall be constructed of aluminum that shall surround the shroud and a six-blade 16" airfoil propeller in a roll-cage design, which shall enhance lifting and user safety. The blade shall be constructed of polymer and driven by an battery-powered motor with a direct drive connection. Any ventilators utilizing belts, pulley, gears or additional shafts shall not be acceptable.

The unit shall be supplied with dual Milwaukee REDLITHIUM FORGE 18V battery system (dual XC8.0 or HD12.0 batteries) that is commercially available for low cost and ease of replacement. A dual 12Ah battery system shall enable the fan to operate for up to 46 minutes on a single charge delivering a maximum amount of airow; the 8Ah battery system shall operate for up to 31 minutes. Fans using proprietary battery systems shall not be acceptable due to higher cost and limited supply.

The shroud and the safety grill shall be designed to provide maximum air velocity. The positive pressure ventilator shall have 180-degree tilt capability. The front and rear safety guards shall be designed to OSHA and U.L. Standards to prevent accidental contact with the blade.

The fan shall include shore power, allowing continuous operation off any 120-240V AC supply.

The air movement shall meet 7,721 cubic feet per minute, according to the AMCA 240-22 Standard. Any fans tested to the former AMCA 240-16 standard shall not be considered.

The variable-speed battery fan shall be designed with the following:

Motor:	Totally Enclosed Variable-Speed DC
Power:	1 HP
Speed:	2,216 rpm
Airflow*:	7,721 cfm (13,118 cmh)
Dimensions:	22.75" x 23" x 12" (580mm x 585mm x 305mm)
Weight:	45 lbs. (20kg) (Weight with batteries and shore power)

The PPV shall have a minimum five (5) year warranty. The battery and charger are warranted by Milwaukee for three (3) years. See www.milwaukeetool.com for details. Motor shall be warranted for a minimum of three (3) years.

*The listed ratings are based on tests and procedures in accordance with AMCA Standard 240-22. All other outputs in this chart are based on results from comparable AMCA 240-22 testing procedures. The AMCA 240 Standard was revised in 2022 to specifically test battery-powered PPV fans and was created in collaboration with industry experts, select firefighters and PPV manufacturers. The new test reflects improved variables, including a smaller doorway (to match international standards), constant power supply (since battery power drops over time) and documentation of battery runtimes (to assure accuracy). These variables deliver more accurate, yet lower airflows compared to identical fans tested to the old AMCA 240-16 standard.