

V16-BD-SP Variable-Speed Battery Fan

Compact. Lightweight. And reliable. Introducing the all-new Super Vac 16" variable-speed battery fan. This PPV works with dual DeWalt® FLEXVOLT® 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 **DeWalt FLEXVOLT Lithium Ion Batteries:** Provide up to 66 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/BATTERIES

16" Blades - H x W x D: 22.7" x 23" x 12" - 580 mm x 585 mm x 305 mm

Model	Weight Without Batteries and Shore Power	Motor	Setback For Output Rating	Angle For Output Rating	AMCA 240-22 Certified Output
V16-BD-SP	45 lbs 20 kg	Totally Enclosed Variable-Speed DC	15 ft 4.6 m	10°	8,127 cfm* 13,808 cmh*

*See back for disclaimer



Battery Options

Compatible Battery	Run Time At Max Airflow
DeWalt FLEXVOLT 9.0Ah (2) (Compatible with all DeWalt 20/60/120V MAX Tools)	40 minutes (with built-in battery gauge)
DeWalt FLEXVOLT 12.0Ah (2) (Compatible with all DeWalt 20/60/120V MAX Tools)	53 minutes (with built-in battery gauge)
DeWalt FLEXVOLT 15.0Ah (2) (Compatible with all DeWalt 20/60/120V MAX Tools)	66 minutes (with built-in battery gauge)

**Up to 66 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-BD-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 compatible with a DeWalt® FLEXVOLT® lithium ion battery system (dual 9Ah, 12Ah or 15Ah 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 53 minutes on a single charge delivering a maximum amount of airflow; the 9Ah battery system shall operate for up to 40 minutes, and the 15Ah battery system shall operate for up to 66 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 8,127 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:	2,100 rpm
Airflow*:	8,127 cfm (13,808 cmh)
Dimensions:	22.7" x 23" x 12" (580 mm x585 mm x 305 mm)
Weight:	45 lbs. (20 kg) (Weight without batteries / shore power)

The PPV shall have a minimum five (5) year warranty. The battery and charger are warranted by DeWalt for three (3) years. See www.dewalt.com for details.

*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.

