SUPER VAC

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

V18-BD-SP Variable-Speed Battery Fan

Never in firefighter history has one battery fan worked together with your department's other DeWalt® battery-operated tools. Introducing the all-new Super Vac 18" variable-speed battery fan, which works with dual DeWalt FLEXVOLT® batteries, making this rugged yet compact fan the most swappable PPV interface on the market.

Frame Features

1. **Compact, Roll-Cage Frame:** Features a tough yet lightweight aluminum frame to protect key components while providing a compact, lightweight design
2. **Fold-Down Ergonomic Handle:** Folds into the frame for compact storage; features full-width handle for easy grip with heavy-duty gloves
3. **Flat-Proof Rubber Tires:** Highly maneuverable, and all without lifting the fan; easy to deploy by the smallest firefighters.
4. **180-Degree Tilt:** Provides the largest tilt range among battery fans, allowing airflow to be directed virtually anywhere

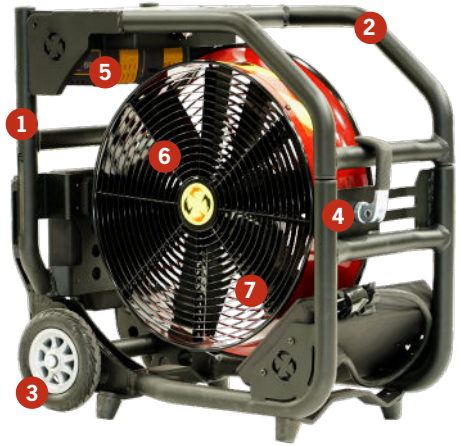
Fan Features

5. **DeWalt FLEXVOLT Lithium Ion Batteries:** Batteries provide up to 69 minutes of max airflow, depending on battery selection; 120-240V AC operation is standard (with optional delete).
6. **Polymer Blade:** Minimizes weight; Super Vac's single-piece cast aluminum blade is available by request
7. **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

18" Blades - H x W x D: 25.50" x 26" x 12.25" - *650mm x 660mm x 315mm*

Model	Weight With Batteries and Shore Power	Motor	Setback For Output Rating	Angle For Output Rating	AMCA 240-22 Certified Output
V18-BD-SP	58 lbs *26 kg*	Totally Enclosed Variable-Speed DC	15 ft 4.6m	10°	8,489 cfm* 14,423 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)	42 minutes (with built-in battery gauge)
DeWalt FLEXVOLT 12.0Ah (2) (Compatible with all DeWalt 20/60/120V MAX Tools)	56 minutes (with built-in battery gauge)
DeWalt FLEXVOLT 15.0Ah (2) (Compatible with all DeWalt 20/60/120V MAX Tools)	69 minutes (with built-in battery gauge)

*Up to 69 minutes run time, depending on battery selection. 120V MAX is based on using 2 DeWalt 60V MAX*lithium-ion batteries combined. 120-240V AC operation is standard (with optional delete).

For a demo or pricing information, please contact: 800-525-5224 | info@supervac.com | www.supervac.com

POSITIVE PRESSURE VENTILATOR

A Super Vac, part number V18-BD-SP, 18" battery operated positive pressure ventilator shall be supplied. The unit shall be designed with a lightweight roll-cage frame and include flat-proof rubber tires and an ergonomic handle that folds into the frame for easy positioning, rapid deployment and compact storage.

The entire frame of the unit shall be constructed of aluminum that shall surround the shroud and a six-blade 18" 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 8,489 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 positive pressure ventilator shall be designed with the following:

Motor:	Totally Enclosed Variable-Speed DC
Power:	1Hp
Speed:	1,828 rpm
Airflow*:	8,489 cfm (14,423 cmh)
Dimensions:	25.50" x 26" x 12.25" (650mm x 660mm x 315 mm)
Weight:	58 lbs. (26 kg) (Weight with batteries and 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.