

VM-BT-SP PPV Variable-Speed Battery Fan with MAX Boost

5-YEAR WARRANTY

3-YEAR WARRANTY ON MOTOR

Introducing the all-new VMAX Super Vac variable-speed STIHL® compatible battery fan that produces 30% more output on standard high-speed operation and also features a “MAX Mode” that will increase your output up to 40% more at the push-of-a button. Super Vac’s 16", 18" and 20" variable-speed battery fans work with STIHL® AP 300S or AP 500S batteries.

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 STIHL AP Batteries:** Your choice of 300S AP or 500S AP batteries, designed to work with your existing STIHL AP System battery-powered tools.
- 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:** Provides durability with max airflow, while the StreamShaper guard allows for flexible setback; Air Cone Guard available by request
- 8 MAX Mode:** Output CFM/CMH increases up to 40% more at the push-of-a-button.

Model	Blade Size	Battery Options*	Weight without Batteries	Dimensions - HxWxD	Motor	Setback For Output Rating	Angle For Output Rating	AMCA Standard High Speed Output	240-22 Certified MAX Mode Output
VM16-BT-SP	16"	STIHL AP 300S or AP 500S Ready	51 lbs 23 kg	25.25" x 24.5" x 12.25" 640 mm x 620 mm x 310 mm	Brushless Variable-Speed DC with Standard 120-240V AC, 50/60Hz	15 ft 4.6 m	10°	11,091 cfm 18,843 cmh	12,340 cfm 20,965 cmh
VM18-BT-SP	18"	STIHL AP 300S or AP 500S Ready	54 lbs 24 kg	26.75" x 26.75" x 12.25" 680 mm x 680 mm x 310 mm	Brushless Variable-Speed DC with Standard 120-240V AC, 50/60Hz	15 ft 4.6 m	10°	11,117 cfm 18,887 cmh	13,001 cfm 22,088 cmh
VM20-BT-SP	20"	STIHL AP 300S or AP 500S Ready	60 lbs 27 kg	29" x 29.5" x 12.5" 735 mm x 750 mm x 315 mm	Brushless Variable-Speed DC with Standard 120-240V AC, 50/60Hz	15 ft 4.6 m	10°	12,727 cfm 21,623 cmh	13,531 cfm 22,989 cmh

*STIHL®-BT models, batteries and chargers are sold exclusively through STIHL dealer network. STIHL® AP 300S and AP 500S Lithium-Ion batteries are trademarks of STIHL. Used under license.

3RD PARTY TESTED AND CERTIFIED PPV:



AMCA Standard 240-22 Certified



Tested to DIN Standards



EMI Compliant and CE Certified



IP Rated



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

Motor: Brushless Variable-Speed DC

Power: 2 HP, 1.5 kW

High-Speed: 16" = 11,091 cfm (18,843 cmh)

Output: 18" = 11,117 cfm (18,887 cmh)
20" = 12,727 cfm (21,623 cmh)

Max Mode 16" = 12,340 cfm (20,965 cmh)

Output: 18" = 13,001 cfm (22,088 cmh)
20" = 21,623 cfm (22,989 cmh)

Dimensions: 16" = 25.25" x 24.5" x 12.25" (640 mm x 620 mm x 310 mm)
18" = 26.75" x 26.75" x 12.25" (680 mm x 680 mm x 310 mm)
20" = 29" x 29.5" x 12.5" (735 mm x 750 mm x 315 mm)

Weight: 16" = 51 lbs. (23 kg) - without batteries
18" = 54 lbs. (24 kg) - without batteries
20" = 60 lbs. (27 kg) - without batteries

A Super Vac's V-MAX 16", 18" and 20" STIHL variable-speed battery fans 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 airfoil propeller in a roll-cage design.

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, CE and U.L. Standards to prevent accidental contact with the blade.

The fan shall be:

- AMCA Standard 240-22 Certified
- Tested to DIN Standards
- EMI compliant and CE Certified
- IP Rated

The PPV shall have a minimum five (5) year warranty. The battery and charger are warranted by STIHL for three (3) years. Contact STIHL for details. Motor shall be warranted for a minimum of three (3) years.



Members of National Fire Protection Association, an independent non-profit standards development organization committed to advancing safety in fire-rescue products, services and information.



Members of Fire and Emergency Manufacturers And Services Association, which supports and assists in the development of standards related to the safe design and manufacturing of fire-rescue products.