SUPER VAC

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

V20-BH-SP Variable-Speed Battery Fan

Never in firefighter history has one battery fan worked together with your department's other HURST® EWXT™/E3™ battery-operated tools. Until now! Introducing the all-new Super Vac 20" variable-speed battery fan, which works with single or dual 5.0Ah and 9.0Ah batteries, making this rugged yet compact fan the most interchangeable PPV interface in the fire industry.

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 without lifting the fan; easy to deploy by any firefighter.
4. **180-Degree Tilt:** Provides the largest tilt range among battery fans, allowing airflow to be directed virtually anywhere
5. **Scratch-Resistant Stair Skid Plates:** Provides ease of movement in high-rise response.

Fan Features

6. **Hot Swappable HURST EWXT/E3 Batteries:** Provides up to 63 minutes of max airflow (or 31 minutes per battery), depending on battery selection
7. **Polymer Blade:** Minimizes weight; Super Vac's single-piece cast aluminum blade is available by request
8. **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

20" Blade - H x W x D: 28.25" x 28.75" x 12.5" - *720mm x 730mm x 320mm*

Model	Weight With Batteries + Shore Power	Motor	Setback For Output Rating	Angle For Output Rating	AMCA 240-22 Certified Output
V20-BH-SP	64 lbs *30 kg*	Totally Enclosed Variable-Speed DC	15 ft 4.6m	10°	9,413 cfm* 15,993 cmh*

*See disclaimer on back.

5-YEAR WARRANTY

Note: Do not use batteries under water; batteries will work while the fan will not.

Battery Compatibility

Battery Compatibility	Run Time At Max Airflow
HURST EWXT/E3 5.0Ah (2)** (Compatible with the eDRAULIC® Watertight Extrication Tool (EWXT) line)	35 minutes (with built-in battery gauge)

Battery Compatibility	Run Time At Max Airflow
HURST EWXT/E3 9.0Ah (2)** (Compatible with the eDRAULIC® Watertight Extrication Tool (EWXT) line)	63 minutes (with built-in battery gauge)

**Batteries sold separately through authorized HURST dealers.
***Up to 63 minutes run time, depending on battery selection. 120-240V AC operation is standard with delete (optional).

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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 V20-BH-SP, 20" 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 20" 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 the HURST® EWXT™/E3™ battery system (5.0Ah or 9.0Ah batteries) that is available through your nearest authorized HURST dealer. Blowers using battery systems that are not compatible with other life-saving equipment shall not be accepted.

The dual 9.0Ah battery system shall enable the ventilator to operate for up to 63 minutes on a single charge delivering a maximum amount of airflow; the dual 5.0Ah battery system shall operate for up to 31 minutes. While the EWXT is IP68 rated and capable of running rescue products underwater, it is not possible to run a fan underwater due to the density difference between water and air. That said, the V16-BH-SP-WH fan is IP66 rated for protection against exposure to water, but not against immersion.

The shroud and the safety grill shall be designed to provide maximum air velocity while still allowing 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 air movement shall meet 9,413 cubic feet per minute. Results must be based on data documented during comparable AMCA 240-22 testing procedures.

The positive pressure ventilator shall be designed with the following:

Motor:	Totally Enclosed Variable-Speed DC
Power:	1HP
Speed:	2,009 rpm
Airflow:*	9,413 cfm *(15,993 cmh)*
Dimensions:	28.25" x 28.75" x 12.5" *(720mm x 730mm x 320mm)*
Weight:	64 lbs. *(30 kg)* (Weight with shore power and 2x 9.0Ah EWXT batteries)

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

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*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.

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