

716-EXP Positive Pressure Ventilators ◊ Electric Motor

a PPV fan powered by a single speed, hazardous location motor - unmatched durability, most compact size - ideal for departments in need of extra space in apparatus compartments with the need for a PPV for use in hazardous and explosive environments

Features

- ◊ **7 Point Cast Aluminum Airfoil Blade** ◊ holds up better than plastic in high heat
- ◊ **Precision Spun Steel Shroud** ◊ durability with maximum airflow
- ◊ **Full Roll Cage Steel Frame** ◊ protects key components
- ◊ **Flat Proof Tires** ◊ heavy duty rubber, never flat, rolls up stairs and curbs
- ◊ **4 Position Tilt Plate** ◊ -10°, 0°, 10°, 20°
- ◊ **Air Cone Guard** ◊ classic design, StreamShaper Guard optional
- ◊ **Fold Down Handle** ◊ folds down within frame for easy, compact storage
- ◊ **Compatible With Super Vac Accessories**
 - ◊ Spiral Duct
 - ◊ LED Holder
 - ◊ Light Kit
 - ◊ Mountain Mister
 - ◊ Foam Generator
- ◊ **5 Year Warranty**

Specs

Motor ◊ Bluffton, single speed, hazardous location rated Class 1 Group D

Motor Specs ◊ 1 Hp, 50/60hz, 115/230V

HxWxD ◊ 20" x 20.5" x 16" ◊ 508mm x 521mm x 406mm

Blade Diameter ◊ 16" ◊ 406mm

Weight ◊ 70 lbs ◊ 32 kg

RPM ◊ 1750

Start Requirements ◊ 4000w - 15 amp circuit

Run Requirements ◊ 1500w

Output ◊ 6740 cfm ◊ 11,450 cmh



POSITIVE PRESSURE VENTILATOR

A Super Vac, part number #716-EXP, 16" electric positive pressure ventilator shall be supplied. The unit shall be cart style designed with rear mounted pneumatic wheels, a full height frame, and a tilt-up, full width handle for easy positioning and rapid deployment. All components of the positive pressure ventilator shall 100% manufactured and assembled in the United States.

The wheels shall be designed to engage as the unit is tilted for rolling to the scene. Once positioned at the scene, the unit shall sit on four cone-shaped rubber feet. The unit shall remain stationary while running at full speed.

The entire frame of the unit shall be constructed of steel that shall surround the shroud and the seven-blade 16" airfoil propeller in a roll cage design that shall enhance lifting and user safety. The blade shall be constructed of precision cast of aluminum alloy #A356. The blade shall be driven by the electric motor that shall have a direct drive connection. The blade shall be precision balanced and attached to the engine shaft with a split taper-lock bushing. Any ventilators utilizing belts, pulley, gears, or additional shafts shall not be acceptable.

The PPV shall be powered by a 1 Horsepower electric motor that is listed by Underwriters Laboratory for Hazardous Locations up to and including Class 1, Group D. The unit shall be operational with any 115/230 volt system.

The shroud and the safety grill shall be designed as to provide maximum air velocity. The positive pressure ventilator shall have a tilt control with four positions including one position that can direct airflow downward. The standard angle of air direction shall be 18 degrees above horizontal ground level and shall be equipped with a lever to set positions of the air flow to 20, 10, 0, and -10 degrees above and below horizontal level.

The front and rear safety guards shall be designed to OSHA and U.L. Standards to prevent accidental contact with the blade. The unit shall be tested to AMCA 240-95 for air movement and the air movement shall exceed 6,740 cubic feet per minute.

The positive pressure ventilator shall be designed with the following:

Motor Manufacturer: Bluffton, HazLoc Electric Motor
Motor Specs: 1HP, single speed, 50/60hz, 115/230V AC
Rotations per minute: 1750 RPM
Cubic feet per minute: 6,740 CFM
Dimensions: 20" high x 20-1/2" wide x 16" deep
Weight: 70 pounds

The positive pressure ventilator shall have a minimum five (5) year warranty. The engine shall be warranted by the engine manufacturer for a minimum of two (2) years.