

724-EXP Positive Pressure Ventilators ◊ Electric Motor

A PPV fan powered by a single speed, hazardous location motor - Perfect for departments with large residential and many commercial structures in their jurisdiction looking for a larger PPV that has the ability to be used 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°, 18°
- ◊ **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
 - ◊ 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 ◊ 28" x 29.5" x 21" ◊ 711mm x 749mm x 533mm

Blade Diameter ◊ 24" ◊ 610mm

Weight ◊ 107 lbs ◊ 48.5 kg

RPM ◊ 1750

Start Requirements ◊ 4000w - 15 amp circuit

Run Requirements ◊ 1500w

Output ◊ 13,320 cfm ◊ 22,630 cmh





POSITIVE PRESSURE VENTILATOR

A Super Vac, part number #724-EXP, 24" electric positive pressure ventilator shall be supplied. The unit shall be cart style designed with rear mounted 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 rubber, never flat tires shall be designed with an "one step" braking system utilizing a single foot operated break pedal to assure positive engagement to prevent the unit from rolling during operation. The tires shall be engineered to be in the back (engine side) of the fan to help protect the shroud while moving the unit and allow the unit to be re-positioned on the fire scene without turning your back to the doorway. Any ventilator with wheels on the shroud side shall not be acceptable.

The entire frame of the unit shall be constructed of steel that shall surround the shroud and the seven-blade 24" 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 gas engine that shall have a direct drive connection. Any ventilators utilizing belts, pulley, gears, or additional shafts shall not be acceptable. Any ventilators using plastic or nylon blades shall not be acceptable due to the high radiant heat found on fire scenes.

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 and shall be equipped with a lever to set positions of the air flow to 18, 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 240-15 for air movement and the air movement shall exceed 13,320 cubic feet per minute.

The positive pressure ventilator shall be designed with the following:

Motor Manufacturer:	Bluffton Explosion Proof Electric Motor
Horsepower:	1HP
Rotations per minute:	1,750 RPM
Cubic feet per minute:	13,320 CFM
Dimensions:	28" high x 29.50" wide x 21" deep
Weight:	107 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.