

## 720-E2 Positive Pressure Ventilators ↔ Electric Motor

A PPV fan powered by a single speed TEAO motor - unmatched durability, a slightly larger PPV, perfect for departments looking for their first PPV with medium to larger residential and a few commercial structures in their jurisdiction.

### 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
  - ↔ Mountain Mister
  - ↔ Light Kit
  - ↔ LED Holder
  - ↔ Foam Generator
- ↔ **5 Year Warranty**

### Specs

**Motor** ↔ Bluffton, single speed, TEAO, 1 HP, 60/50 Hz, 115/230V

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**HxWxD** ↔ 25.5" x 26" x 19.5" ↔ 648mm x 660mm x 495mm

**Blade Diameter** ↔ 20" ↔ 508mm

**Weight** ↔ 87 lbs ↔ 39.5 kg

**RPM** ↔ 1725

**Start Requirements** ↔ 4000w - 15 amp circuit

**Run Requirements** ↔ 1500w

**Output** ↔ 10,190 cfm ↔ 17,315 cmh





## POSITIVE PRESSURE VENTILATOR

A Super Vac, part number #720E2, 20" 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 20" 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 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 10,190 cubic feet per minute.

The positive pressure ventilator shall be designed with the following:

Motor Manufacturer:	Leeson TEAO Electric Motor
Horsepower:	1HP
Rotations per minute:	1,750 RPM
Cubic feet per minute:	10,190 CFM
Dimensions:	25.50" high x 26" wide x 19.50" deep
Weight:	87 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.