

## F4 Ventilation Blower

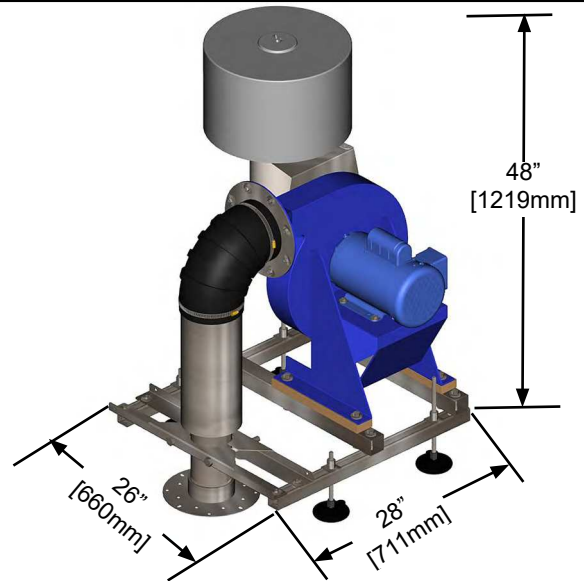
**Technology Description-** Single Stage Ventilation Blower with electric motor. Filtered air intake, distributes air inside tank for ventilation of tank head space, designed to evacuate volatilized THM's, gases and other contaminants from the head space. Features 4" tank connection and supported by 4 adjustable self-leveling feet.

**Part Numbers** - 100015 (single-phase) 100016 (three-phase)

**Materials of Construction** - T316 stainless steel skid base and hardware, welded steel housing and motor support, epoxy primed with urethane topcoat, radial bladed aluminum impeller, EDPM gasket and elbows.

**Air Filter** - Duct Sizing Requirement (For Ground Mounted Blowers) - Ø 8" minimum or equivalent open space for up to 100 ft span and 3 elbows. Larger ducting required for greater than 100 ft. 99%+ removal efficiency to 5 micron, pleated polyester air filter rated for 1100 CFM (31 m<sup>3</sup>/min), 19ft<sup>2</sup> surface area, washable, epoxy coated steel wire reinforcement on both sides. Galvanized metal end caps and Neoprene gaskets on open ends. Dimensions: 8" ID, 11.75" OD, 9.625" H. Replacement Filter PN: 20012050

**Air Flow Rate** - Tank gravity vents must allow for 50 square inch (after screens and mesh) minimum open surface area per blower.



**Figure 1: F4 Ventilation Blower**  
(Steel roof mount configuration shown.)

Blower Performance (SCFM) at varying Static Pressures (Inches of Water)					
0"	1"	2"	3"	4"	6"
780	775	770	765	760	750

**Vibration Isolation** - Secured to T316SS skid, separated by cork and/or rubber isolation pads properly sized for blower weight and operation. Additionally, the skid is equipped with (4) 4" self-leveling vibration dampening feet, constructed of glass-reinforced nylon with elastomer pad for anti-skid and light-duty vibration control applications.

**Mounting** - Ground mount or roof mount configurations available.

**Electrical Requirements** - Requires 120VAC or 240VAC for single-phase units, and 240VAC or 480VAC for three-phase units, 60Hz power. 208V three-phase available by special request. Each motor is dual voltage and can be wired for either low or high voltage. Ixom recommends secondary disconnect to be located near blower equipment. Three-phase motor protection is recommended. *All conduit, conductors, switches, breakers, emergency stop buttons, control panels and other controls shall be installed in accordance to all NEC, State, and local regulations. (Not supplied by Ixom.)*

**Motor** - 2HP TEFC induction motor, designed for continuous operation, low power requirement, direct drive, no gearbox and no lubrication schedule required. No heater. Estimated Decibel - 75dB @ 5ft, 65dB @ 25ft, 55dB @ 100ft.

**Motor Bearing** - Bearings filled with low-noise, low-friction grease, lubricated for life and are maintenance-free. The grease life is considered L10. (-20°F, +300°F)

**Wiring** - 3-conductors required for single-phase motors. 4-conductors required for three-phase motors. Electrical conduit body mounted to motor housing for conduit connection and electrical splicing.

### Shipping Size / Weight

• **Crate** - 42in x 26in x 24in (106cm x 66cm x 61cm) / 350lbs (158kg). *Exact weight and dimensions may vary dependent on blower and roof mount configuration.*

**Maintenance / Warranty** - Limited maintenance. Limited 2-year parts only. See GridBee THM Removal Systems Limited Replacement Warranty for more details.

Subject to change without notice.