

TUBERCLE FAN VS. COMPETITIVE HVLS FANS

When doing a direct comparison of the Tubercle Bladed fan with the Air Foil Wing fans, there are a number of important features that stand out:

PERFORMANCE:

The Tubercle model is a 16 foot diameter reversible HVLS fan with a 1.5 HP motor capable of producing **182,173 CFM**. The 16 foot diameter Air Foil Style with a 1.5 HP motor produces only **162,831 CFM**. Why the difference? The Tubercle fan offers the most unique blade in the industry with its "tubercle" design. The tubercles allow air to pass across the front edge of the blade with much less wind resistance! With less resistance comes greater efficiency. Due to the increased efficiency of this blade, we were able to increase the blade pitch rake and cup of their blade from the typical 8 degree pitch used by other HVLS Air Foils to a **staggering 21 degree pitch!** So efficient are these blades, in fact, that the fan produces MORE air with 5 blades **than competitive 10 Air Foil models!**

EFFICIENCY:

Along with the performance advantages, the **Tubercle fan actually uses LESS ENERGY!** As noted on the Competitive spec sheets, the tubercle fan draws 2.3 amps @ 480v. This amp draw adds up over time. With fewer blades and greater design efficiency, there is less weight and less resistance for the motor to drag around resulting in less energy consumption and longer projected motor life.

NOISE LEVEL:

As with any HVLS fan, noise level is based upon the speed of the fan, but as explained above, the efficient blade design allows the end user to move the **same amount of air at a slower speed** than competing models. This, in addition to creating a blade that provides less resistance and surface area at the leading edge of the blade, creates a more quietly operating fan than its Air Foil Style competitors.

WARRANTY: (Unmatched 15 Year)

Matches all competitive warranty provisions including a lifetime warranty of the Tubercle blades and aluminum allor hub. NOTE: Air Foil Competitor warranties only apply to fans installed by their employees and does not support local business (shown on their website).

