

Why Tip Seal and Inlet Bells are as critical as Hi-Eff fans on engine fans

<https://youtube.com/shorts/iX8pG8BA1gl?feature=share>

LH, jackshaft driven Engine fan start up after Hi-Eff conversion.

<https://youtube.com/shorts/KmcFxOrMNJs?feature=share>



Does your compressor package have cooling-related issues?

TheFanGuy.ca has decades of experience solving cooling issues!



Fun Fact: Did you know that the standard OEM engine cooler design, when tested, is ~30% short the ACFM on your specification sheet?

With the right high-efficiency strategy you can vastly improve cooling and lower noise compared to traditional OEM designs. Be sure to call (Nick Agius, 780-719-7413) before you over-pitch your fan blades into a stalled condition, or spray water in the fin tubes for extra cooling.

TheFanGuy.ca can solve any cooling-related issues with the following (field-proven) strategy.

- High-efficiency fans
- RH fans for VFDs or LH with belts driven off jack shafts
- Tip seal to stop tip recirculation and increase airflow
- Elliptical inlet bells (E-Bells™) for better airflow and lower noise
- Full performance testing if required
- Many variable speed options for low noise and power savings
- Low-noise design expertise versus noise attenuation systems
- Solutions for winter freeze-up issues
- High efficiency belt drive solutions
- Heavy duty bearing solutions
- Solutions for hot-air recirculation issues
- Installation and fabrication with decades of field experience



LH, Hi-Eff engine fan with new E-Bell™ design for max airflow and lowest noise

Noise challenges can be mitigated at the fan with low-noise fans and variable speed drives. Building walls around the system is expensive and should be the last resort. Noise attenuation systems often starve the fan of much-needed cool air.



High-efficiency motor packages with VFD's



Here's is an example of a totally converted system that we can design and fabricate. This was originally a left-hand, low-efficiency fan, V-belt driven off the engine jack shaft. Now it's a VFD/motor/timing belt package with a right-hand, high-efficiency fan. Since it runs independently, the fan doesn't draw load off the engine. This is ideal for many obvious reasons like preventing winter freeze-up issues, saving on engine fuel, cooling better at lower engine speeds, and lowering noise levels.