

HTEC™ 1800 Fan

Horton Thermoset Engineered Composite



HTEC

HTEC Fans combine industry-changing material technology with traditional Horton custom engineering capabilities to meet and exceed your cooling requirements. Not a thermoplastic, this patent-pending structural thermoset delivers:

- Increased efficiency versus comparable metal fans
- Higher temperature rating than nylon fans
- Higher speed rating than comparable metal fans
- Best-in-class durability
- Highest available corrosion resistance
- Reduced fuel consumption
- Significant noise reduction



The Horton HTEC 1800 has been engineered for rigorous off-highway applications including large mining trucks, remote radiator packages, generator sets, and fracking units.

HTEC™ 1800-Series Fan Specifications	
Diameters	1,194-1,829mm [47"-72"]
Pilots and Mounting	Standard and customizable mounting available, including straight and tapered bores
Blade Configurations	5 to 15
Weight	17 kg [30 lbs.] and up
Maximum Tip Speed	112 m/sec [22,000 ft/min]

ENGINEERED FOR:



Additional HTEC Material Benefits

- Less deflection than nylon
- Higher strength-to-weight ratio than nylon, steel or aluminum
- Anti-spark and corrosion resistant
- Temperature rating of +150 °C

Advanced Virtual Design of Experimental Systems and Processes

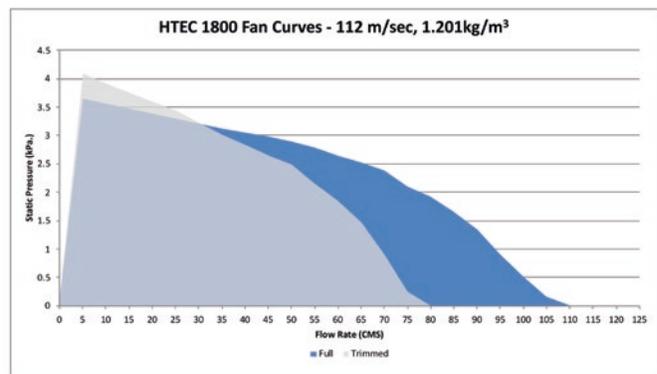
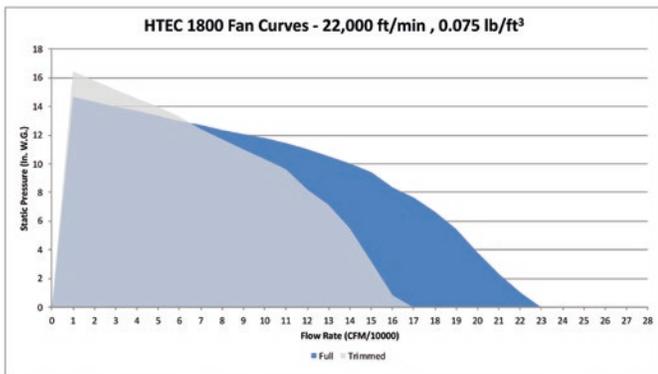
- The most efficient and optimized heavy-duty blade design

Horton Fully-Variable Fan Drives

Designed to maximize efficiency while minimizing parasitic loss, Horton fan drives provide a lower off-speed, faster response time, and improved heat dissipation.



Horton RCV1000 and RCV2000 Fan Drives are engineered for use with Horton HTEC Fans to provide precision cooling of large-bore diesel applications in rugged off-road environments.



Committed to Your Ideal Airflow Solution

Horton® is the premium provider of engine cooling solutions worldwide. Our culture of innovation delivers high-performance products that last and services that help you meet your commitments. Trust Horton to help your products last longer, run quieter and consume less fuel.

Horton is IATF 16949, ISO 14001 and ISO 9001 certified.