

## WindShift

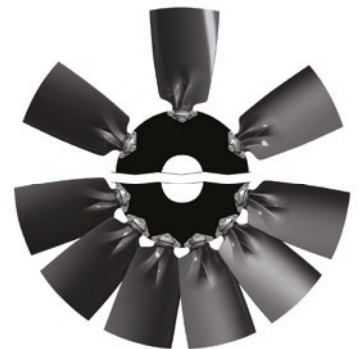
Modular fans that offer greater flexibility in design and manufacturing for optimal performance, plus faster, easier testing and prototyping.

### ■ Flexible design for most any application

- Available in a variety of blade configurations, rotation options and center-disk diameters
- Manufacturing process allows virtually any pilot or bolt circle
- Highly compatible with Horton and competitive fan drives

### ■ Increased airflow and efficiency

- Unique, computer-optimized blade designs
- Clamshell knuckle design allows blades to be set at specific pitch angles



WindShift Modular Fan Specifications	
Diameters	610–1320 mm [24–52 in.]
Blade configurations	3–16 blades, equally or unequally spaced
Standard pilots	Customized to application requirements
Pitch width	48 mm [1.88 in.] min 161 mm [6.32 in.] max
Maximum tip speed	91 m/s [18000 ft/min]

Virtually any combination of blade count and diameter is possible because of Horton's unique design and manufacturing process using a customizable steel center disk. This process allows maximum performance by maintaining the maximum length and shape of the blade.

#### ENGINEERED FOR:



# Inside Information

Choose the leader. With more than 60 years of industry experience, commitment to service, reliability and innovation, Horton is a premium worldwide provider of cooling solutions for engines. Horton's comprehensive research and development processes are driven by a dedication to exceed the cooling demands of reduced-emission engines today and in the future. We're proving our performance every day. In the toughest operating climates. Yours.

### 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 fan drives are engineered for use with Horton fans to provide precision cooling in on- and off-road environments.



**High-Capacity/High-Pressure Blade Design**

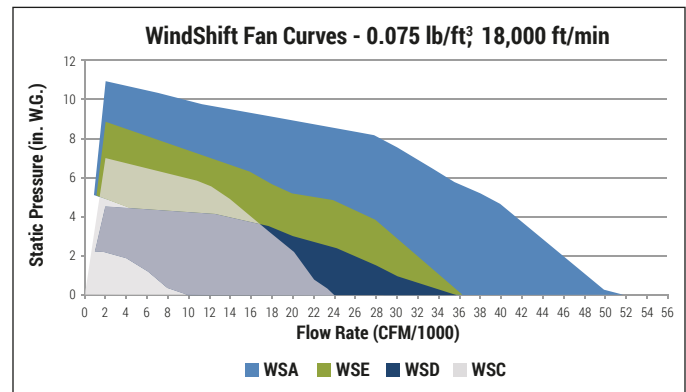
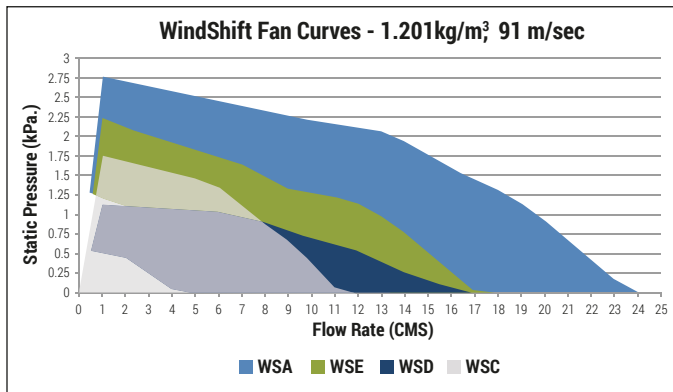


**Airfoil Blade Design**



**Swept Blade Design**

Diameters	WSA 810–1220 mm [32"–48"]	WSC 640–1020 mm [25"–40"] WSD 810–1320 mm [32"–52"]	WSE 610–1040 mm [24"–41"]
Pitch Width	WSA 69–161 mm [2.73"–6.32"]	WSC 48–95 mm [1.88"–3.74"] WSD 53–105 mm [2.09"–4.14"]	WSE 62–151 mm [2.44"–5.94"]



### 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.



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