

Honeywell Aerospace

Honeywell Aerospace develops and integrates technologies spanning air traffic modernization, flight and runway safety, engines, cockpit and cabin electronics, connectivity, logistics and more that deliver safe, efficient, productive and comfortable transportation-related experiences. Thousands of Honeywell Aerospace products and services are found on virtually every commercial, defense and space aircraft worldwide.

Honeywell Aerospace

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THE POWER OF **CONNECTED**

HTS900 Turboshaft Engine

Next Generation, High Performance

Power for the XTI Trifan 600

State-of-the-art performance and maintainability



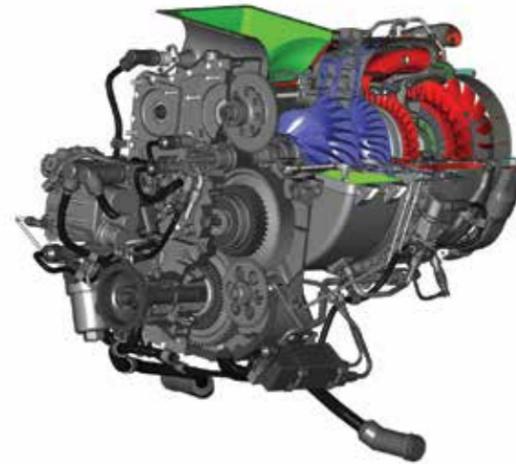
HTS900 Engine

Class-leading engine performance, reliability and efficiency provide increased payload and extended range for the XTI TriFan 600 aircraft. This, coupled with an on-condition maintenance philosophy and the industry's lowest direct maintenance cost per shaft horsepower, means that the HTS900 delivers real value to operators.



More Payload Capabilities

The HTS900 engine is the latest engine to join the Honeywell family of turboshaft engines, building upon a heritage dating back to the 1950s. The HTS900 incorporates numerous next generation technologies developed by Honeywell. The HTS900's increased shaft horsepower output improves the payload capability of the aircraft, meaning that it can carry heavier loads further; resulting in increased capabilities over a wider operating spectrum.



More Power

Utilizing state of the art technology, the HTS900 features a dual centrifugal compressor, cooled turbine blades and nozzles and a dual channel FADEC, all of which results in an output of 1,021 shaft horsepower; a significant increase in power output at High/Hot conditions over rival engines in this class; all while burning less fuel and occupying less cubic space.

The HTS900 engine powers the XTI TriFan aircraft. With class leading fuel efficiency, power to weight ratio and maintenance costs, the HTS900 enables the XTI TriFan to fly efficiently, for long distances and with heavy loads. This is coupled with a global network of service centers, enabling operators to relax in the knowledge that their engine can be fully maintained wherever they are in the world.

Lower Maintenance Costs

The HTS900 engine has the industry's lowest direct maintenance cost per shaft horsepower. The engine has an on-condition maintenance philosophy and there is no minimum overhaul time specified. Operators are also permitted to carry out operational maintenance activities; all of which means that the on-condition maintenance approach from Honeywell reduces downtime, lowers direct maintenance costs and reduces spare engine holding requirements.

HTS900 SHP/SFC Performance Ratings		
Rating	Sea Level ISA	4K / 95°F
Takeoff	1,021 / 0.526	766 / 0.545
Max. Cont.	907 / 0.525	668 / 0.554

(Uninstalled, minimum engine, 6,317 rpm output speed – information, not guaranteed)

More Efficient

The next generation technology developed by Honeywell results in increased engine power while reducing specific fuel consumption. Lower fuel consumption increases both operational savings and the earning potential of the aircraft.



Feature	Value	
	HTS900	Competitor
Takeoff Power	↑	↓
Max Cont Power	↑	↓
SFC	↓	↑
Range Capability	↑	↓
Power to Weight Ratio	↑	↓
Annual Fuel Cost	↓	↑
Engine Size	↓	↑
Payload Capability	↑	↓
Extended Range	↑	↓
Mission Capability	↑	↓

↑ Increased Value ↓ Decreased Value

- HTS900 Benefits**
- Increased:
 - High/Hot capability
 - Payload capability
 - Mission capability
 - Safety
 - Mission range
 - Reduced fuel consumption

