

HTF7000 Turbofan Engine

Honeywell



**HIGH PERFORMANCE. INCREASED RELIABILITY.
LOWER COST OF OWNERSHIP.**

**The Latest in Business
Jet Engine Innovation**



Delivering enhanced customer value through design innovation, the HTF7000 engine demonstrates Honeywell's commitment to propulsion system engineering and technological development for business class aircraft.

Advanced performance with a lower

The Honeywell HTF7000 turbofan engine delivers an optimal balance of performance and value that maximizes propulsion efficiency with lower maintenance costs and highly reliable operation for today's business jet operators. Originally developed for use in Bombardier's Challenger™ 300 business aircraft, the HTF7000 was certified in 2002 and entered service with over 27,000 hours of engine testing to assure the highest levels of in-service reliability.

Customer Focused Design

Incorporating a breadth of customer input from operators, service center engineers and aircraft manufacturers, the HTF7000 delivers the power with significantly lower parts count and up to 30 percent lower cost of ownership. Combining ISA+15C flat rating with best-in-class fuel efficiency is accomplished by a wide chord damperless fan, SLE compressor airfoil technology, a low-emissions effusion-cooled combustor, transpiration cooled HPT blades, and a dual-channel FADEC. The HTF7000 is available with a full nacelle and thrust reverser.

Enhanced Maintainability

The HTF7000 incorporates many time- and cost-saving maintenance features. Individual LRUs can be replaced on average in 20 minutes or less with no shimming, rigging or adjusting using standard hand tools with nothing more than an idle power leak check. QEC engine changes can be accomplished in three hours with two technicians. Using MSG-3 protocol and 39 strategically placed borescope ports for 360-degree visibility to all gas path components, the HTF7000 is a true "on-condition" engine.



Key HTF7000 Engine Benefits

- Increased Customer Value
- Improved Fuel Efficiency
- Lower Cost of Maintenance
- Reduced Noise Signature
- World-Class Reliability
- Excellent Durability

Key Honeywell Advantages

Development Capability

We apply our 50 years of propulsion systems experience and industry-leading engine integration expertise to the ongoing development of new engine systems, technology upgrades and product enhancements.

Dedicated Resources

Focused organization that understands the propulsion needs and requirements of aircraft operators with over 65,000 fielded propulsion engines and more than 241 million service hours.

Operational Performance

With our Six Sigma methodology and ongoing technological investments, Honeywell delivers optimal value and peak performance.

Advanced Technologies

We use the newest processes, materials and concepts to create propulsion system solutions with high reliability, improved performance, and cost-effective operation.

Global Network

Worldwide resources that span the Americas, Europe, Middle East, Africa, Asia and the South Pacific, providing 24/7/365 support with a full range of maintenance, repair, overhaul and customer service capabilities.

cost of ownership.

World-Class Customer Service and Support

Honeywell's global support network includes over 22 service centers trained to maintain the HTF7000. Available MSP programs provide predictable engine maintenance costs for either "on-condition" or fixed-interval maintenance plans. On-line service resources for parts, warranty, and technical manuals include e-Engine™, C-HAMPS™, eSource™, and Spotlight™ – a smart line maintenance troubleshooting tool. Honeywell supports both your HTF7000 and your aircraft operational requirements whenever and wherever you need it.



HTF7000 Engine Specifications

Thrust:	6500-7500 lbf (pounds force)
Flat Rating:	ISA + 15°C (86°F)
Fan Diameter:	34.2 in
Dry Weight:	618.7 kg (1364 lbs)
Bypass ratio:	4.4



Honeywell Aerospace

Honeywell is a leading global provider of integrated avionics, engines, wheels and brakes systems and service solutions for aircraft manufacturers, airlines, business and general aviation, military, space and airport operations.

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