



GE Honda Aero Engines

# HF120 Turbofan

From the most prolific engine manufacturer and the leading provider of aviation engines in aviation engineering comes the GE Honda Aero Engines HF120, a 2,000-pound-thrust-class turbofan engine that will power world-class light business jet aircraft.



## Outstanding Design

A wide-chord, rugged, swept titanium blisk fan with composite fan outer guide vanes and the use of innovative turbine blade and combustor materials are just some of the unique features that help the HF120 deliver industry-leading benefits, enabling:

- Reduced flight interruptions and maintenance costs caused by foreign object damage
- Longer time between overhaul
- Increased damage tolerance from a durable, but lightweight, engine design

## Premium Performance

With a compact design and differential bearing architecture, the HF120 delivers outstanding power with the following unparalleled aircraft-level benefits:

- High thrust-to-weight ratio delivering increased aircraft speed and reduced climb time to cruising altitude
- Best-in-class durability with reduced aircraft operating costs
- Best-in-class fuel efficiency enabling longer range and greater payload

## Environmental Efficiency

By reducing weight and incorporating innovative 3D aerodynamic designs, the HF120's components interact with greater efficiency while optimizing operability. The engine uses a centrifugal impeller designed to operate at state-of-the-art aerodynamic efficiency levels without the need for variable geometry. This is complemented by a unique, effusion-cooled combustor design to deliver exceptional environmental benefits, including:

- Reduced NOx, CO and HC emissions compared to other certified engines in this class
- Noise levels quieter than Stage 4 requirements with substantial margin

## Engine Specifications

Max. take-off at sea level, static thrust*	2,095 lbf
Accessory power extraction (max)	24.2 hp
Air start	up to 25,000 ft
Noise	Stage 4 with margin
Thrust/weight ratio	4.5
Time Between Overhaul**	5,000 hrs
Control	Dual-channel FADEC

\*Flat rated to 77°F/25°C

\*\*Subject to engine maturation

Specifications subject to change without notice.

