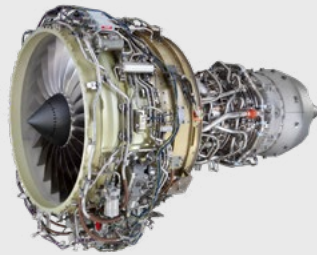




CF34-10

GE's most reliable engine even while operating under the harshest conditions — from the highest altitudes in the world to the sweltering heat of the Middle East.

Born as a scaled and improved version of the legendary CFM56* engine, the CF34-10 family is a proven stalwart of commercial aviation



- Averaging 16,000 cycles to its first overhaul, CF34-10 is projected to stay on wing for the life of the B-52 and beyond — reducing maintenance, manpower, and operating costs.
- Provides the most thrust in reserve for more mission-based climb in more extreme conditions.
- Offers the lowest total cost of ownership of any engine offered for the B-52 CERP.
- Proven fully mature with over 31 million (CF34-10) flight hours and over 159 million CF34 family flight hours.
- Tackling an average of 8 flights per day with GE's highest 99.98% dispatch reliability, this engine promises substantial increases in aircraft readiness and availability.

Performance specifications

Maximum takeoff thrust	20,360 lbs
Bypass ratio	5.4:1
Maximum overall pressure ratio	29:1
Fan diameter	53 in
Length	88.7 in (engine base)
Weight	3,760 lbs
Noise	ICAO Chapter 4 Meets or surpasses
Emissions	ICAO CAEP/6 Meets or surpasses
Specific fuel consumption	35K/0.80 Mn max cruise .640
Control system	Dual-channel FADEC

PASSPORT

GE's most advanced, digitally capable engine built on proven technologies delivering game-changing performance and fuel burn in the most severe environments.

Evolved from GE's most advanced commercial engines and technologies that perform with 99.96% dispatch reliability



- Recently powered the longest non-stop business jet flight in history (8,152 nm), a testament to its endurance.
- Lowest fuel burn of any engine in its thrust class enables mission effectiveness: longer mission range, persistence, and increased payload.
- Dual FADEC (Full Authority Digital Engine Control) offers redundancy for real-time troubleshooting and to guard against mission disruption.
- Predictive health management provides data analytics to identify and prevent engine-related disruptions.
- Significant noise and emissions reductions provide environmental, health, and safety benefits for ground personnel and surrounding communities.

Performance specifications

Maximum takeoff thrust	18,900 lbs
Bypass ratio	5.8:1
Maximum overall pressure ratio	51:1
Fan diameter	52 in
Length	102.7 in (engine base)
Weight	3,950 lbs
Noise	ICAO Chapter 4 Meets or surpasses
Emissions	ICAO CAEP/8 Meets or surpasses
Specific fuel consumption	47K/0.85 Mn max cruise .615
Control system	Distributed FADEC

*CFM is a 50/50 JV between GE and Safran Aircraft Engines



CF34-10 PASSPORT

**READY FOR A
RANGE OF MISSIONS**

B-52andGE.com