

GE H-Series Turboprop Engines

Overview

The GE H-Series is a family of turboprop engines offering a customized range of ratings and performance for commuters, personal and agricultural aircrafts and aerobatic trainers.

The engine is a two-shaft, reverse flow design featuring an axial-centrifugal compressor, an annular combustor with slinger ring fuel distributor and a single high pressure turbine stage. The slinger ring combustor architecture simplifies maintenance and eliminates the need for recurrent fuel nozzle inspections. The propulsion section is powered by a single-stage turbine driving a two-stage planetary gearbox.

GE H-Series is available with either hydromechanical control or first-in-class Electronic Engine and Propeller Control (EEPC). The EEPC system reduces pilot workload by simplifying engine operation with a single lever power control.

GE H-Series aerobatic engine is equipped with EEPC, multi attitude lubrication system and strengthened structure for high g-force aerobatic maneuvers.

Engine Features

- 20+ million flight hours
- Low maintenance with no hot section inspection and no fuel nozzles
- Reliable performance in harsh environment
- Optimized aerodesign and features for reduced SFC
- Modern, proven GE materials for longer life

Optional Services

- OnPointSM engine service program
- Remote diagnostics and special mission accessories including Vibration Monitoring System

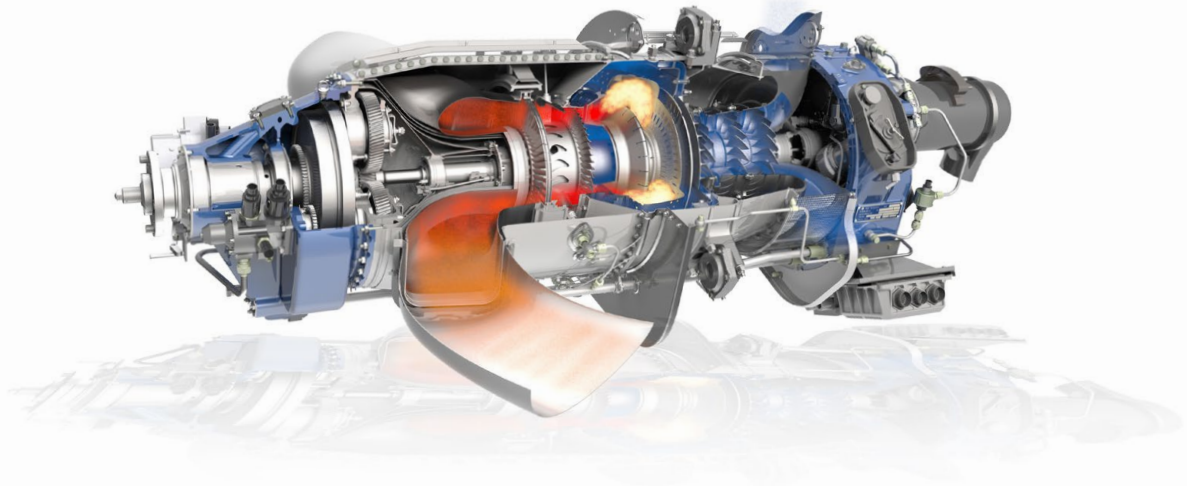


GE Aviation

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Specifications subject to change without notice

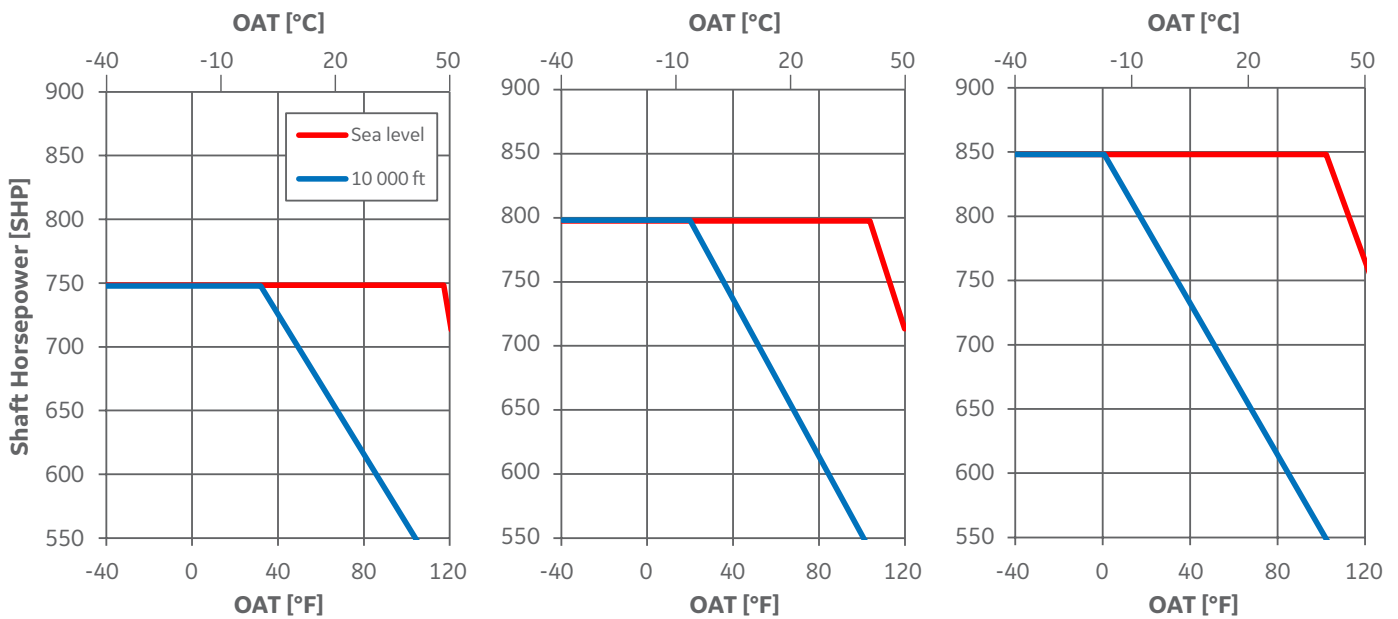
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Engine models

H75	H80	H85
550 or 750 SHP	800 SHP	850 SHP

Maximum takeoff power



Specifications (sea level, standard day)

Thermodynamic power (THP)	1040
Propeller speed (RPM)	2080 or 1950
Propeller rotation	CW from rear
Maximum operating envelope	Up to 32 000 ft
Basic TBO interval	Up to 4000 hours
HSI interval / Fuel nozzle inspection	None
Control system	Hydro mechanical fuel control or Electronic Engine and Propeller Control
Fuel	Jet A, Jet A1
Weight (basic dry mass)	177 kg (390 lb)
Dimensions (l, w, h)	1670 mm (66"), 560 mm (22"), 580 mm (23")

(New and clean engine conditions, no installation losses.)