

Avio Aero 

a GE Aerospace company

H-SERIES TURBOPROP FAMILY ENGINE



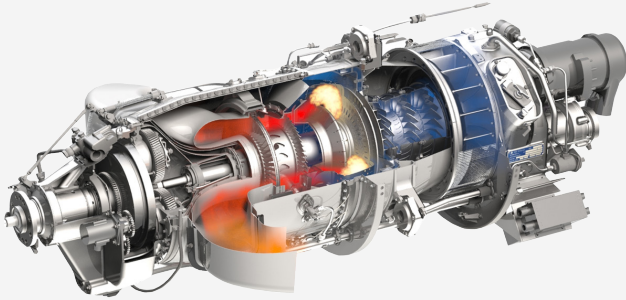
The ideal power for turboprop aircraft

H-Series is a family of turboprop engines by Avio Aero - part of GE Aerospace - offering a customized range of ratings and performance for commuters, private as well as multi-purpose aircraft. From skydiving to medical support and cargo transport, the engine thrives in rugged conditions that require mission readiness, short takeoffs, weight variability and safe operation: in the hottest deserts, over the highest peaks and across the most remote archipelagos, H-Series is renowned for its reliability.

Its standard configuration allows a seamless, low-investment integration into a variety of airframe types. The H-Series is a two-shaft, reverse flow engine with a free turbine. The engine has an axial compressor and compressor turbine featuring 3D geometry design. Fuel is distributed to the chamber via the slinger ring combustor architecture, which 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.

Electronic Controls

The H-Series engine is available with new, first-in-class Electronic Engine and Propeller Control (EEPC). The EEPC system, which integrates engine and propeller operations, enhances safety.



Engine features

Exceptional Durability: over 22.3 million flight hours and 30 years of proven reliability with the M601 engine, showcasing solid experience and long product lifecycle

Low Operating Costs: low fuel burn, extended maintenance intervals, no hot section inspections or nozzle checks; no shop visits before TBO, and proven GE Aerospace materials for longer life

Easy to Fly: advanced AutoStart and limiter systems proactively warn against exceeding critical parameters, ensuring safety and optimal performance

Reliable in Harsh Environments: high power reserve ensures outstanding performance in tropical climates

Heavy duty: robust design to perform reliably in the toughest and most remote conditions

13 different applications worldwide

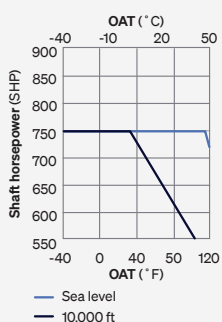
Specifications (sea level, standard day)

Thermodynamic power (THP)	1040
Maximum propeller speed	1950 or 2080
Propeller rotation	CW from rear
Basics 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, SAF
Weight (basic dry mass)*	177 kg (390 lb)
Dimensions (l, w, h)	1670 mm (66"), 560mm (22"), 580 mm(23")

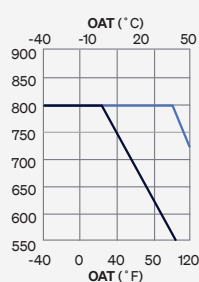
*EEPC not considered

Engine models

H75 550 or 750 SHP



H80 800 SHP



H85 850 SHP

