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

www.geaviation.com / sales.geac@ge.com
Specifications subject to change without notice
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**Engine models**

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<thead>
<tr>
<th></th>
<th>H75</th>
<th>H80</th>
<th>H85</th>
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<tbody>
<tr>
<td></td>
<td>550 or 750 SHP</td>
<td>800 SHP</td>
<td>850 SHP</td>
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**Maximum takeoff power**

<table>
<thead>
<tr>
<th>OAT [°C]</th>
<th>Sea level</th>
<th>10 000 ft</th>
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<tbody>
<tr>
<td>900</td>
<td>650</td>
<td>550</td>
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<tr>
<td>950</td>
<td>600</td>
<td>500</td>
</tr>
<tr>
<td>1000</td>
<td>550</td>
<td>450</td>
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**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 (depending on installation)
- **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.)*