



# F414

## turbofan engines



22,000 lb thrust class

The **F414-GE-400** combines the proven reliability, maintainability and operability of its successful F404 predecessor with advanced technologies to provide the Boeing F/A-18E/F Super Hornet with up to 35 percent more thrust and significant improvements in aircraft performance, survivability and payload.

Its simple, modular design is reliable and easy to maintain. F414-GE-400 engines also power Boeing's EA-18G Growler electronic attack aircraft, also operational with the United States Navy. The **F414-INS6** was selected by India's Aeronautical Development Agency (ADA) to power the MKII version of the Tejas Light Combat Aircraft. The **F414G**, the single-engine variant of the proven F414-GE-400, has been chosen to power Saab's Gripen E/F aircraft.

Advanced technology features such as a Full Authority Digital Electronic Control (FADEC) improve operational characteristics of the F414 engine, while advanced materials and cooling techniques improve performance and extend component life.

The **F414 Enhanced Engine** incorporates additional technical advancements that can be retrofitted into the F414 to provide improved component capability for a significant reduction in ownership costs, or up to a 20 percent increase in thrust with improved specific fuel consumption.

The F414 is also a potential powerplant for emerging platforms such as the Korean KF-X and the Indian Advanced Medium Combat Aircraft, as well as other potential applications.

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## Applications



Boeing F/A-18E/F Super Hornet



Boeing EA-18G Growler



Saab Gripen Next Generation



Tejas LCA

## Performance Specifications (Sea level/standard day)

<b>F414-GE-400; F414G, F414-INS6</b>	<b>English</b>	<b>SI</b>
Thrust class	22,000 lb	98 kN
Length	154 in	391 cm
Airflow	170 lb/sec	77.1 kg/sec
Maximum diameter	35 in	89 cm
Inlet diameter	31 in	79 cm
Pressure ratio	30:1	30:1
Thrust-to-weight class	9:1	9:1

