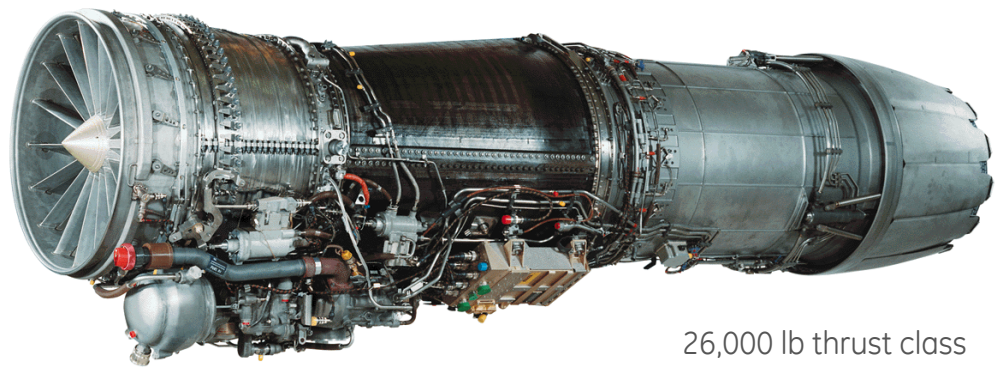




# F414

enhanced  
engine



26,000 lb thrust class

The **F414 Enhanced Engine** upgrade will incorporate technical advancements from earlier F414 engine family designs to provide a 18% increase in thrust with improved reliability for the United States Navy's F/A-18E/F Super Hornet and EA-18G Growler fleet.

These enhancements enable significant gains in next-generation air-to-air and airborne electronic attack scenarios, plus a greatly improved rate of climb. Engines also provide increased horsepower extraction for growing electrical load requirements while lowering ownership cost.

This foundation for success was established by the **F414-GE-400**, which combines the proven reliability, maintainability and operability of its successful F404 predecessor with advanced technologies to provide the Super Hornet and Growler with up to 35 percent more thrust and significant improvements in aircraft performance, survivability and payload.

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

# F414 enhanced engine

## Applications



Boeing F/A-18E/F Super Hornet



Boeing EA-18G Growler

## Performance Specifications (Sea level/standard day)

F414 Enhanced Engine	English	SI
Thrust class	26,000 lb	116 kN
Length	154 in	391 cm
Airflow	187 lb/sec	85 kg/sec
Maximum diameter	35 in	89 cm
Inlet diameter	31 in	79 cm
Pressure ratio	30:1	30:1
Thrust-to-weight class	9:01	9:01

