



F414-GE-39E

turbofan engine



22,000 lb thrust class

The **F414-GE-39E**, a single-engine variant of the proven F414-GE-400, has been chosen to power Saab's Next Generation Gripen aircraft.

A member of the F414 family, this engine combines the proven reliability, maintainability and operability of its successful F404 predecessor with advanced technologies to provide the combat-proven 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 engines also power Boeing's EA-18G Growler electronic attack aircraft, also operational with the United States Navy.

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 Medium Combat Aircraft, as well as other potential applications.

F414-GE-39E enhanced engine

Applications



Saab Gripen Next Generation

Performance Specifications (Sea level/standard day)

F414-GE-400, F414-GE-39E, F414-INS6	English	SI
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



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