

F135
MILITARY ENGINES

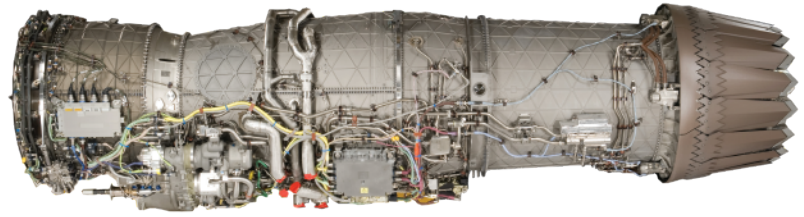
F135-PW-100



**The World's Most
Advanced Fighter Engine**

F135

MILITARY ENGINES



F135-PW-100

The World's Most Advanced Fighter Engine

Powering the F-35 Lightning II A and C models

The combat-proven F135 – which powers all three variants of the F-35 Lightning II – is the most advanced fighter engine in the world, providing the warfighter with a critical technological advantage over adversaries at an unparalleled value to the taxpayer. With more than 40,000 lbs. of thrust, unmatched low-observable signature, world-class thermal management, and innovative engine control system, the 5th Generation F135 is a critical enabler of the F-35 weapons system and of operations conducted in advanced threat environments.

Not only is the F135 the most powerful and most advanced fighter engine ever produced, it's also the most dependable – demonstrating a step change in reliability over 4th generation fighter engines with its advanced damage tolerant design and fully integrated prognostic health monitoring.

UNMATCHED CAPABILITY AND DEPENDABILITY FOR THE WARFIGHTER



40K+ LBS
of thrust



PRECISE & RESPONSIVE
integrated engine
control system



50% INCREASE
in thermal management
capacity over 4th
generation engines



5TH GENERATION
stealth technologies



15X SAFER
than 4th generation engines



89% REDUCTION
in unscheduled engine
removals over 4th
generation engines

F135 ENGINE SPECIFICATIONS



F135 ENGINE SPECS

F135 -PW-100

Conventional Takeoff and
Landing (CTOL)
Carrier Variant (CV)

Maximum Thrust Class	43,000 lbs
Intermediate Thrust Class	28,000 lbs
Length	220 in
Inlet Diameter	43 in
Maximum Diameter	46 in