



F135-PW-100

The World's Most Advanced Fighter Engine





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.

PRECISE & RESPONSIVE

integrated engine

control system

UNMATCHED CAPABILITY AND DEPENDABILITY FOR THE WARFIGHTER



40K+ LBS of thrust



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

than 4th generation engines





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

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

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15X SAFER

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F135 ENGINE SPECIFICATIONS



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