

F135 ENGINE FOR F-35B SHORT TAKEOFF AND VERTICAL LANDING (STOVL)



Product Facts

Engine Characteristics

Maximum thrust class Intermediate thrust class Short takeoff thrust class Hover thrust class

Main engine
Lift fan
Roll post
Length
Main engine:

Inlet diameter
Max diameter

Lift fan:

Inlet diameter Max diameter 41,000 pounds (182.4 kN) 27,000 pounds (120.1 kN) 40,740 pounds (181.2 kN) 40,650 pounds (180.8 kN) 18,680 pounds (83.1 kN) 18,680 pounds (83.1 kN) 3,290 pounds (14.6 kN) 369 inches (9,37 m)

43 inches (1.09 m) 46 inches (1.17 m)

51 inches (1.30 m) 53 inches (1.34 m)

Features

- Single-engine reliability and affordability derived from proven fifth-generation fighter technologies, design, production and sustainment.
- Advanced health monitoring and network logistics support designed to reduce sustainment costs, increase mission readiness and enable weapon system availability.
- · World's most powerful fighter engine enables unequaled stealth combat capabilities and effectiveness.
- · LiftSystem is comprised of the Rolls-Royce LiftFan®, Driveshaft, 3 Bearing Swivel Module and Roll Posts.
- Bleed air provides thrust-to-roll post actuators for roll control.

