**Product Facts**

### Engine Characteristics

- **Maximum thrust class**: 41,000 pounds (182.4 kN)
- **Intermediate thrust class**: 27,000 pounds (120.1 kN)
- **Short takeoff thrust class**: 40,740 pounds (181.2 kN)
- **Hover thrust class**: 40,650 pounds (181.2 kN)
- **Main engine**: 18,680 pounds (83.1 kN)
- **Lift fan**: 18,680 pounds (83.1 kN)
- **Roll post**: 3,290 pounds (14.6 kN)
- **Length**: 369 inches (9.37 m)
  - **Main engine**:
    - Inlet diameter: 43 inches (1.09 m)
    - Max diameter: 46 inches (1.17 m)
  - **Lift fan**:
    - Inlet diameter: 51 inches (1.30 m)
    - Max diameter: 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.
F135 POWER FOR F-35B SHORT TAKEOFF AND VERTICAL LANDING (STOVL)

Dependable Fifth-Generation Power from Land or Sea