

F135 Specs Charts

Conventional Take Off and Landing CTOL/CV Engine Design

Maximum Thrust	43,000 lbs (191.3 kN)
Intermediate Thrust	28,000 lbs (128.1 kN)
Length	220 in (5.59 m)
Inlet Diameter	43 in (1.09 m)
Maximum Diameter	46 in (1.17 m)
Bypass Ratio	0.57
Overall Pressure Ratio	28

Short Take Off and Vertical Landing STOVL Propulsion System Design

Maximum Thrust Class	41,000 lbs (182.4 kN)
Intermediate Thrust Class	27,000 lbs (120.1 kN)
Short Take Off Thrust Class	40,740 lbs (181.2 kN)
Hover Thrust	40,650 lbs (180.8 kN)
Main Engine	18,680 lbs (83.1 kN)
Lift Fan	18,680 lbs (83.1 kN)
Roll Post	3,290 lbs (14.6 kN)
Length	369 in (9.37 m)
Main Engine Inlet Diameter	43 in (1.09 m)
Main Engine Maximum Diameter	46 in (1.17 m)
Lift Fan Inlet Diameter	51 in (1.30 m)
Lift Fan Maximum Diameter	53 in (1.34 m)
Conventional Bypass Ratio	0.56
Powered Lift Bypass Ratio	0.51
Conventional Overall Pressure Ratio	28
Powered Lift Overall Pressure Ratio	29