

## F135 Specs Charts

### Conventional Take Off and Landing CTOL/CV Engine Design

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

### Short Take Off and Vertical Landing STOVL Propulsion System Design

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