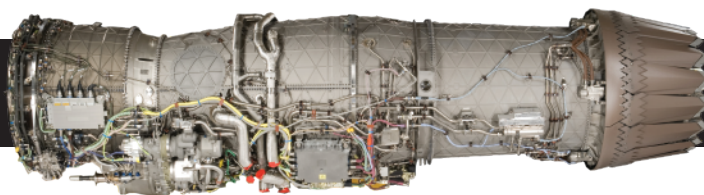


# PRATT & WHITNEY F135 ENGINE FAST FACTS | 2025

## F135 The World's Most Advanced Fighter Engine



### CAPABILITY



**40K+ LBS**  
of thrust



**5<sup>th</sup> GENERATION**  
stealth  
technologies



**PRECISE  
& RESPONSIVE**  
integrated engine  
control system



**50% INCREASE**  
in thermal  
management  
capacity over 4<sup>th</sup>  
generation engines

### AVAILABILITY



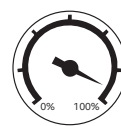
**1,300+**  
engines  
delivered  
in total



Current production  
configuration is  
**DOUBLE** the spec  
for mean flight  
hours between  
removals

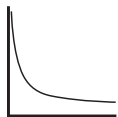


Safety rate more  
than **AN ORDER OF  
MAGNITUDE  
BETTER** than  
previous generations  
of fighter engines



**CONTINUOUSLY  
EXCEEDS** full  
mission capability  
rate requirements  
of 94%

### AFFORDABILITY



Reduced average  
cost of an F135 by  
**MORE THAN 50%**  
to date

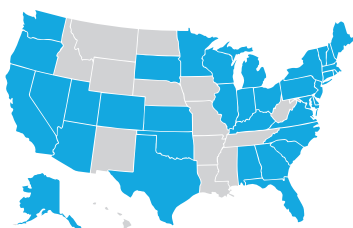


Component  
Improvement  
Program investments  
are projected to yield  
**~\$21 BILLION** in  
lifecycle cost savings



**TARGETING ~50%  
COST REDUCTION**  
on 1<sup>st</sup> scheduled  
maintenance visit, which  
is projected to **SAVE  
\$14+ BILLION** over the  
life of the program

### ECONOMIC IMPACT & INVESTMENT



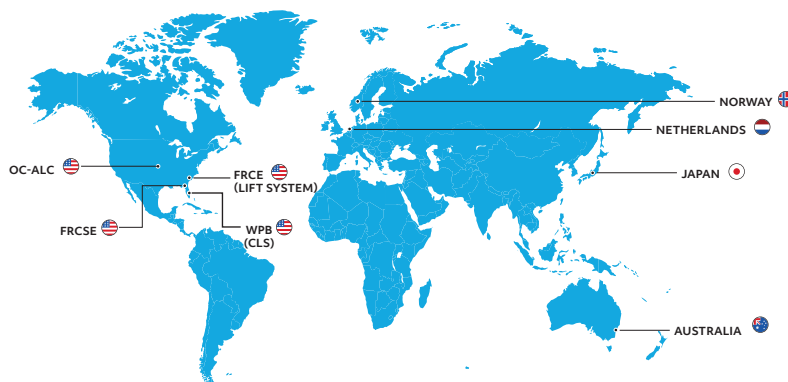
● SUPPLIER LOCATIONS

The F135 program  
sustains more than  
**67,140** domestic  
RTX jobs

**240 SUPPLIERS**  
provide parts for the  
F135

Contributed **\$9.1B+**  
to the U.S. economy  
in 2024

### F135 GLOBAL MRO&U NETWORK



MAINTENANCE, REPAIR, OVERHAUL & UPGRADE  
(MRO&U) CONTRACTOR LOGISTICS SUPPORT (CLS)



**Pratt & Whitney**  
An RTX Business

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# PRATT & WHITNEY F135 ENGINE FAST FACTS | 2025

## F135 The World's Most Advanced Fighter Engine



### PROGRAM AT A GLANCE (AS OF APRIL 2025)



1,150+  
aircraft in service



1M+ flight  
hours



48  
bases worldwide  
(includes ship activations)

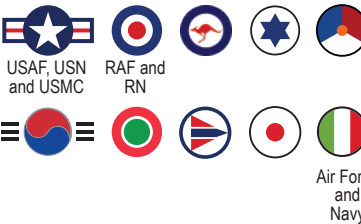
### F-35/F135 IN ACTION

16  
services flying

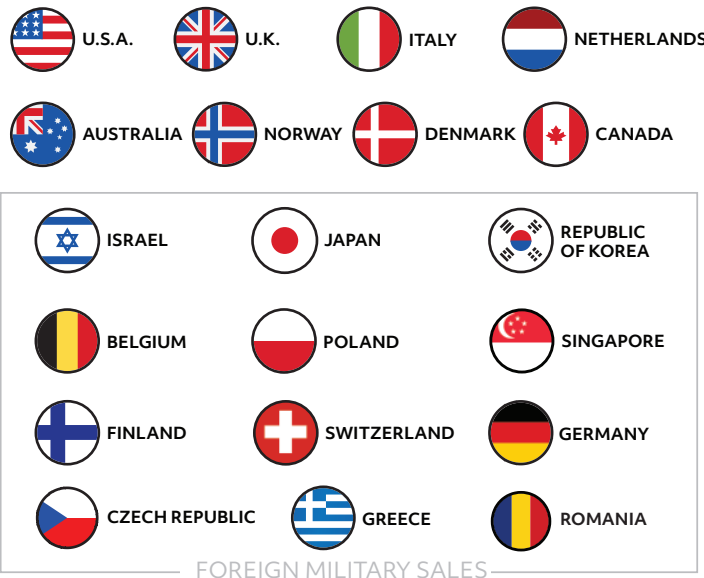
616,300+  
sorties

10  
nations operating on home soil

13  
services have declared IOC



### F-35 PROGRAM PARTICIPANTS



### F135 ENGINE SPECS

	F135-PW-100 Conventional Takeoff and Landing (CTOL) Carrier Variant (CV)	F135-PW-600 Short Takeoff/Vertical Landing (STOVL)
Maximum Thrust Class	43,000 lbs	41,000 lbs
Intermediate Thrust Class	28,000 lbs	27,000 lbs
Short Takeoff Thrust Class	—	40,740 lbs
Hover Thrust Class	—	40,650 lbs
Length	220 in	369 in
Inlet Diameter	43 in	Main engine: 43 in Lift fan: 51 in
Maximum Diameter	46 in	Main engine: 46 in Lift fan: 53 in

