

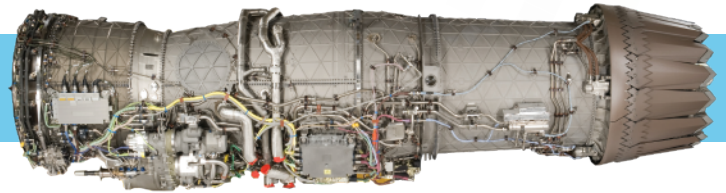


GO BEYOND

PRATT & WHITNEY F135 ENGINE FAST FACTS | 2022

# F135

## The World's Most Advanced Fighter Engine



### CAPABILITY



**40K+ LBS**  
of thrust



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

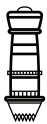


**PRECISE  
& RESPONSIVE**  
integrated engine  
control system



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

### AVAILABILITY



**950+**  
engines delivered  
in total

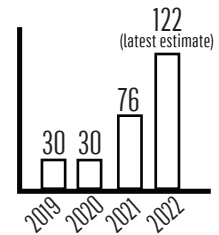


Current production  
configuration  
**EXCEEDS** spec for  
mean flight hours  
between removal

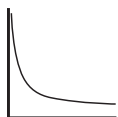


Three regional MRO&U  
facilities recently achieved  
**INITIAL DEPOT  
CAPABILITY** (Australia,  
Netherlands, Norway)

Global network more than  
**DOUBLED** depot output  
in 2021 over 2020



### AFFORDABILITY



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

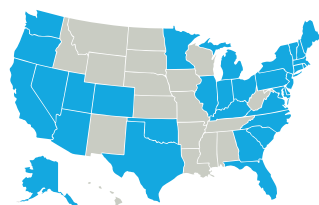


Component Improvement  
Program investments are  
projected to yield **~\$16  
BILLION** in lifecycle cost  
savings



**TARGETING ~40%  
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

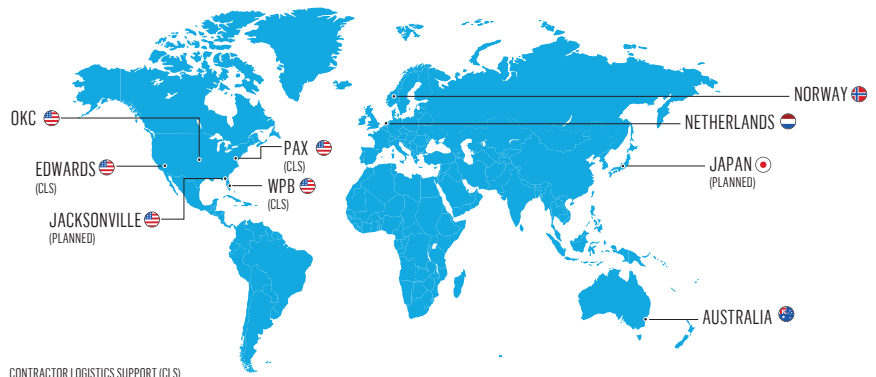
The F135 program supports  
**38,500+ JOBS**  
in the U.S.

More than **150  
SUPPLIERS IN 31 U.S.  
STATES** provide parts  
for the F135



**\$500+ MILLION** invested in  
capital, process improvements,  
& cost reduction initiatives

### F135 GLOBAL MRO&U NETWORK



CONTRACTOR LOGISTICS SUPPORT (CLS)

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PRATT & WHITNEY F135 ENGINE FAST FACTS | 2022

# F135

## The World's Most Advanced Fighter Engine



F135-PW-100  
Conventional Takeoff and Landing (CTOL)  
Carrier Variant (CV)

F135-PW-600  
Short Takeoff/Vertical Landing (STOVL)

### PROGRAM AT A GLANCE (AS OF MAY 1)



**790+**  
aircraft in service



**517,000+**  
flight hours



**35**  
bases worldwide  
(includes ship activations)



**12**  
services have  
declared IOC

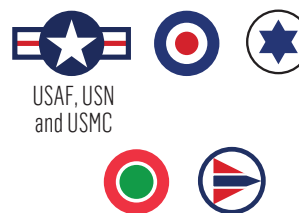
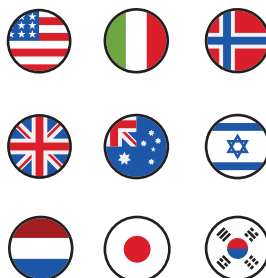
### F-35/F135 IN ACTION

**14**  
services flying

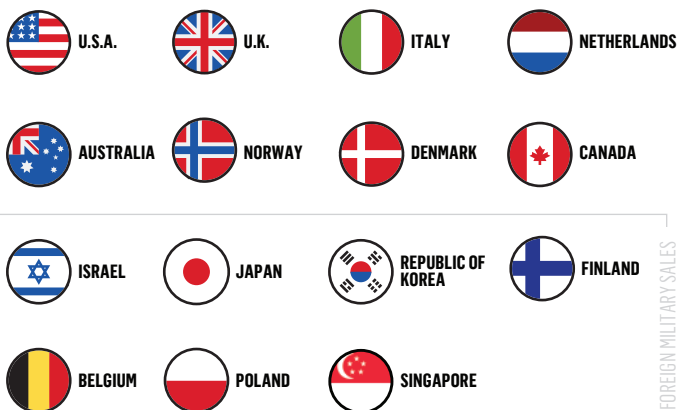
**300,000+**  
sorties

**9**  
nations operating on home soil

**7**  
services have conducted  
operational missions



### F-35 PROGRAM PARTICIPANTS



FOREIGN MILITARY SALES

### F135 ENGINE SPECS

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

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