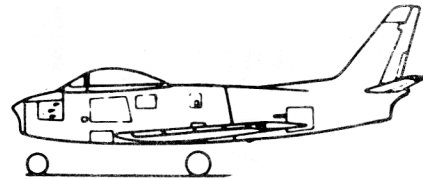
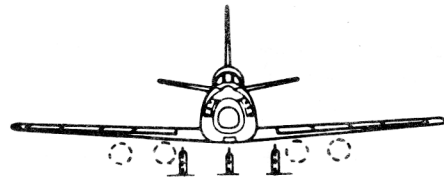
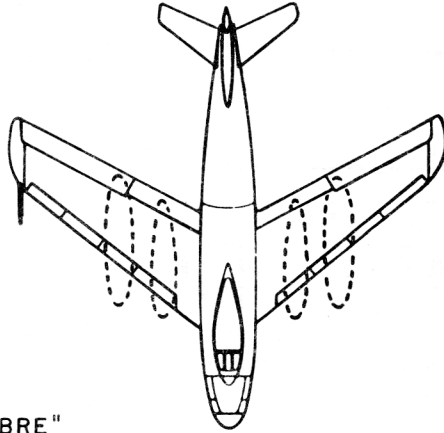


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Characteristics Summary

FIGHTER F-86F-25 thru -40



"SABRE"

NORTH AMERICAN

Wing Area 313.4 sq ft Length 37.5 ft
Span 39.1 ft Height 14.7 ft

*Deleted:
sked; Add N-9;
15 Oct 58
There is a duplicate
in this one.*

AVAILABILITY

PROCUREMENT

Number available			Number to be delivered in fiscal years			
ACTIVE	RESERVE	TOTAL				

STATUS

- All F-86F-25 thru -35 aircraft are being modified to incorporate the combination slatted-extended leading edge configuration and wing tip extensions. The F-86F-40 aircraft will have these modifications accomplished before delivery.
- Contract Approved (F-86F-25): May 52
- First Flight (F-86F-25): Oct 52
- First Acceptance (F-86F-25): Oct 52
- Production Completion (F-86F-40): Dec 56

Navy Equivalent: None

Mfr's Model: NA-176, -191, -203, & -227

POWER PLANT

(1) J47-GE-27
General Electric
ENGINE RATINGS
SLS LB - RPM - MIN
Max: 5910 - 7950 - 5
Mil: 5910 - 7950 - 30
Nor: 5270 - 7630 - Cont

Note: Ratings are with inlet screens retracted.

FEATURES

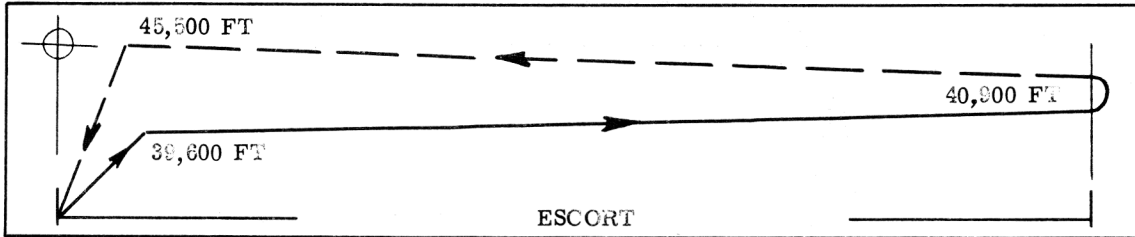
Crew 1
Combination Slatted-Extended Wing Leading Edge
Extended Wing Tips
Force Ejection Pylons
Low Pressure Oxygen System
A-4 Gun Sight with AN/APG-30A Radar
Speed Brakes
Electrically Operated Flaps

Max Fuel Capacity: 1077 gal

ARMAMENT

Guns 6 x .50 cal (M-3)
Ammunition (tot)...1800 rds
Rockets *8 x 5" HVAR
Bombs:
Class (lb) Load
WWII
(Box Fin) 1000 2x1000
INTERIM
(Conical Fin) 1000 2x1000
NEW SERIES
1000 2x1000
Max Bomb Size 1000 lb
Max Bomb Load 2000 lb
*Provisions for 16x5" HVAR

Characteristics Summary Basic Mission . . . **F-86F-25 thru -40**



PERFORMANCE		
COMBAT RADIUS	FERRY RANGE	S P E E D
402 naut. mi with 540 lb payload at 460 knots avg. in 2.11 hours.	1325 naut. mi with 1077 gal fuel at 444 knots avg. in 3.04 hours at 20,048 lb T.O. wt.	COMBAT 492 ⁽⁵¹³⁾ knots at 40,900 ft alt, max power MAX 564 ⁽⁵⁸⁹⁾ knots at zero ft alt, max power BASIC 504 ⁽⁵²⁰⁾ knots at 35,000 ft alt, max power
C L I M B	C E I L I N G	T A K E - O F F
6000 fpm sea level, take-off weight maximum power	41,300 ft 100 fpm, take-off weight maximum power	ground run 2520 ft no assist _____ ft assisted
7030 (8100) fpm sea level, combat weight maximum power	41,400 (44,300) ft 500 fpm, combat weight maximum power	over 50 ft height 3770 ft no assist _____ ft assisted
L O A D	W E I G H T S	S T A L L I N G S P E E D
Ammunition 1800 rds/.50 cal	Empty..... 11,125 lb Combat... 15,681 lb (15,352) Take - off 18,152 lb limited by mission	108 knots power-off, landing config- uration, take-off weight
Fuel: 837 gal protected 52.2 % droppable 48 % external 48 %		T I M E T O C L I M B 10.4 (8.4) Min SL to 35,000 ft, combat wt., maximum power

N O T E S

1. Performance Basis:
 (a) Contractor's flight tests
 (b) Combat is initiated with external tanks aboard. Values in parenthesis () are after dropping tanks.

2. Revision Basis: Initial Issue