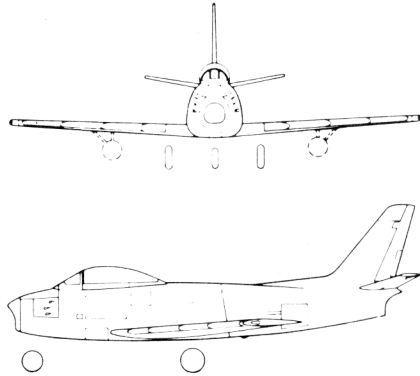
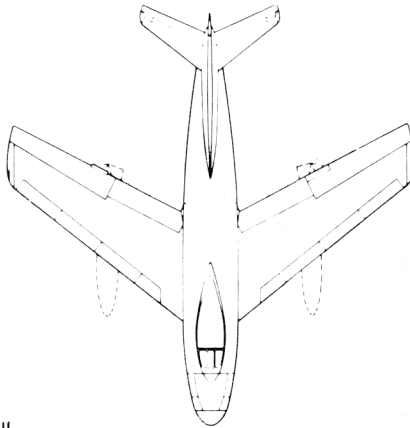


# Characteristics Summary

FIGHTER . . . . . F-86F-1 thru -20



"SABRE"

NORTH AMERICAN

Wing Area . . . . . 287.9 sq ft      Length . . . . . 37.5 ft  
Span . . . . . 37.1 ft      Height . . . . . 14.7 ft

## AVAILABILITY

## PROCUREMENT

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

## STATUS

- The F-86F is basically an F-86E modified to incorporate the J47-GE-27 engine.
- Contract Date: Oct 50
- First Flight: Mar 52
- First Acceptance: Apr 52
- Production Completed: Nov 52

Navy Equivalent: FJ-2

Mfr's Model: NA-172, NA-176

## 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  
Pressurization, Cooling & Heating  
Ejection Seat  
Anti-G Suit Provisions  
Hydraulically Operated Controls w/ Artificial Feel  
Speed Brakes  
Electrically Operated Flaps  
Automatic Wing Slats  
A-1CM (F-86F-1 & -5) or  
A-4 Gun Sight with AN/APG-30 Radar

Max Fuel Cap: . . . \*835 gal  
\*675 gal for F-86F-1 only.

## ARMAMENT

Guns . . . . 6x.50 cal(M-3)  
Ammunition (tot). \*1602 rds  
Rockets . . . . †8x5" HVAR  
Bombs:

Class (lb):	Load
WW II (Box Fin) 1000..	2x1000
INTERIM (Conical Fin)	1000..2x1000
NEW SERIES	750..2x 750

Max Bomb Size . . . 1000 lb  
Max Bomb Load.. 2x1000 lb  
\*Space prov. for 1800 rds  
†Provisions for 16x5" HVAR

Add N-9, 15 Oct 54  
 Delts: 5th Ed.  
 This is a duplicate  
 CLASSIFICATION CANCELLED (OR CHANGED TO UNCLASSIFIED) BY AUTHORITY OF 100 D.R. 5.10.10 (NAME & GRADE OF INDIVIDUAL MAKING CHANGE) (DATE)  
 BY: [Signature] 21 Oct 59  
 CLASSIFICATION CANCELLED (OR CHANGED TO UNCLASSIFIED) BY AUTHORITY OF 100 D.R. 5.10.10 (NAME & GRADE OF INDIVIDUAL MAKING CHANGE) (DATE)  
 BY: [Signature] 21 Oct 56  
 CLASSIFICATION CANCELLED (OR CHANGED TO UNCLASSIFIED) BY AUTHORITY OF 100 D.R. 5.10.10 (NAME & GRADE OF INDIVIDUAL MAKING CHANGE) (DATE)  
 BY: [Signature] 21 Oct 59

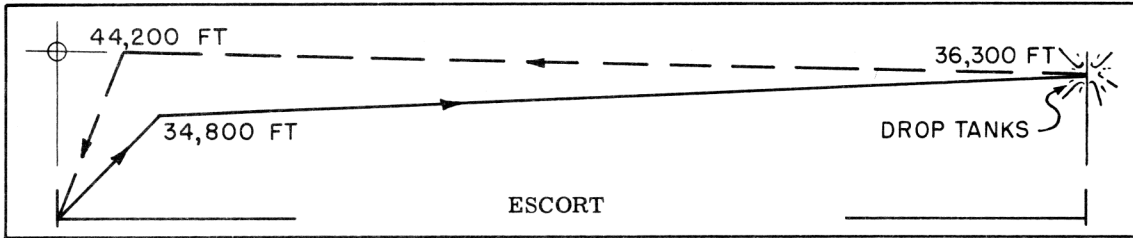
4th Ed addn #19

Unclassified

SERVICE

~~CONFIDENTIAL~~

# Characteristics Summary Basic Mission ···· F-86F-1 thru -20 (SLATTED L.E.)



## PERFORMANCE

COMBAT RADIUS	FERRY RANGE	S P E E D
402 naut. mi with 480 lb payload at 446 knots avg. in 2.16 hours.	1144 naut. mi with 835 gal fuel at 454 knots avg. in 2.55 hours at 17,617 <sup>(b)</sup> lb T.O. wt.	(d) 524 <sup>(499)</sup> knots at 36,300 ft alt, max power MAX (d) 598 <sup>(557)</sup> knots at Zero ft alt, max power BASIC (d) 525 <sup>(502)</sup> 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
6200 fpm sea level, take-off weight maximum power	40,000 ft 100 fpm, take-off weight maximum power	ground run 2625 ft — ft no assist assisted
(7530) 9300 <sup>(d)</sup> fpm sea level, combat weight maximum power	(40,500) 45,500 <sup>(d)</sup> ft 500 fpm, combat weight maximum power	over 50 ft height 3925 ft — ft no assist 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: 1602 rds/.50 cal  Fuel: 835 gal protected 52 % droppable 48 % external 48 %	Empty..... 10,840 lb Combat... (15,257) <sup>(d)</sup> lb 14,857 Take - off 17,797 lb  limited by space	111 knots power-off, landing config- uration, take-off weight
		T I M E T O C L I M B
		(10.2) 7.2 <sup>(d)</sup> min. SL to 35,000 ft, combat wt., maximum power

## NOTES

- Performance Basis:
  - Contractor's flight tests
  - Includes 300 lb of ballast
  - Performance data shown is for the F-86F-10 airplanes
  - Combat is initiated with external fuel tanks aboard. Values in parenthesis are with tanks on.
- Revision Basis: Data re-coordinated this date

Classification cancelled  
 or changed to ~~Unclassified~~  
 AUTH: AFSC AFHC Sec class Guide  
 By: G.R. Lomblon 30 Apr 64 1 Jan 64  
 Signature and Grade

F-86F-1 thru -20 (SLATTED L.E.)

~~CONFIDENTIAL~~

1 OCT 56