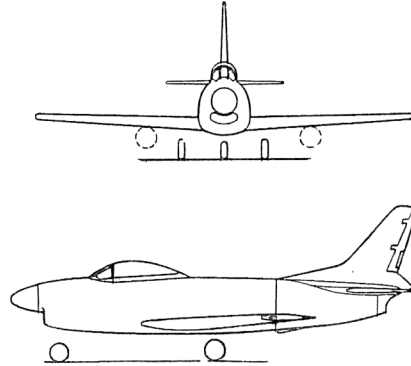
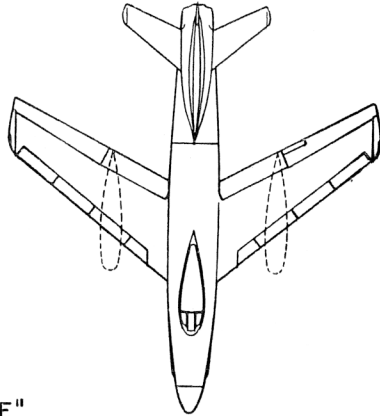


Characteristics Summary

FIGHTER (INTERCEPTOR) . . . F-86D (-17B ENGINE)



"SABRE"

NORTH AMERICAN

Wing Area 287.9 sq ft Length 40.3 ft
 Span 37.1 ft Height 15.0 ft

AVAILABILITY

PROCUREMENT

Number available

Number to be delivered in fiscal years

ACTIVE	RESERVE	TOTAL				

STATUS

- Design Initiated: Mar 49
- First Flight (YF-86D): Dec 49
- First Acceptance: Mar 51
- First Delivery: Jun 51
- Production Completed: Jul 54

Navy Equivalent: None

Mfr's Model: NA-165, -173 & -177

POWER PLANT

(1) J47-GE-17B

General Electric

ENGINE RATINGS

S.L.S. LB - TEMP - MIN

Max: *7500 - 685°C - 15
 Mil: 5425 - 685°C - 30
 Nor: 4990 - 635°C - Cont

* With afterburner operating

7950 RPM remains constant for Normal power and higher.

FEATURES

Crew 1
 F-5 Automatic Pilot
 Anti-G Suit Provisions
 All-Movable Horizontal Tail
 Irreversible Flight Controls
 Wing Leading Edge Slats
 Braking Parachute
 E-3 or E-4 Rocket Fire Control System

Max Fuel Capacity: 848 gal

ARMAMENT

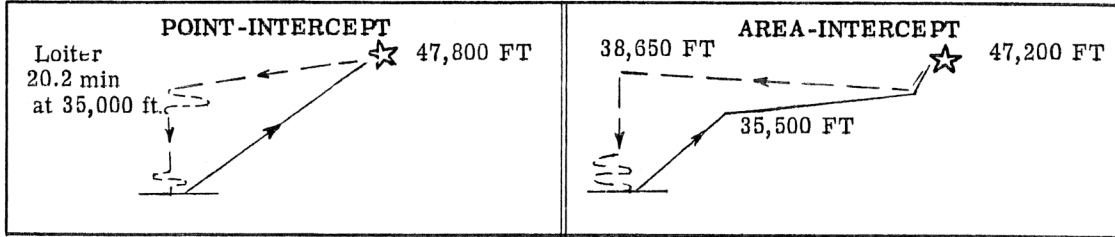
Guns None
 Bombs None
 Rockets 24 x 2.75" FFAR

Rockets are carried in a retractable launcher.

Related: 15 Oct 57 Ed: Add No. 4, This one has duplicate

Approved by F-86D 22 Sep 58

Characteristics Summary Basic Mission F-86D
(-17B ENGINE)



PERFORMANCE		
INTERCEPT	FERRY RANGE	S P E E D
POINT (b) Total Mission Time for Interception at 47,800 ft. Equals 38.0 minutes 241 AREA Nautical Miles at 478 Knots Average in 1.15 hours	668 naut. mi. with 848 gal. fuel at 478 knots avg. in 1.45 hours at 19,543 lb.T.O. wt.	POINT COMBAT 504 knots at 47,800 ft. alt, max. power MAX 601 knots at Zero ft. alt, max. power BASIC 532 knots at 40,000 ft. alt. max. power
CLIMB	CEILING	TAKE-OFF
POINT 11,050 fpm. at S.L. Take-Off Weight, Max. Power	POINT 49,750 ft. at 100 fpm, Take-Off Weight, Max Power	ground run AREA 2970 ft. no assist _____ ft. assisted
POINT 12,150 fpm. at S.L. Combat Wt., Max. Pow.	POINT 47,800 ft at 500 fpm, Combat Weight, Max. Power	over 50 ft. height AREA 4320 ft. no assist _____ ft. assisted
LOAD	WEIGHTS	STALLING SPEED
Rockets: (24) 2.75" FFAR Fuel protected 0% droppable 0% external 0%	Empty 13,518 lb. Combat 16,068 lb. Point, 16,892 lb. Area Take-off 18,183 lb. Point, 19,975 lb. Area limited by mission	AREA 118 knots power-off, landing configuration, take-off weight TIME TO CLIMB POINT (b) 22.2 Min. S.L. to 49,750 Ft. Take-off Weight, Max. Power

N O T E S

1. Performance Basis:
 (a) Flight test data.
 (b) From standing start.

2. Revision Basis: Data reCOORDINATED this date