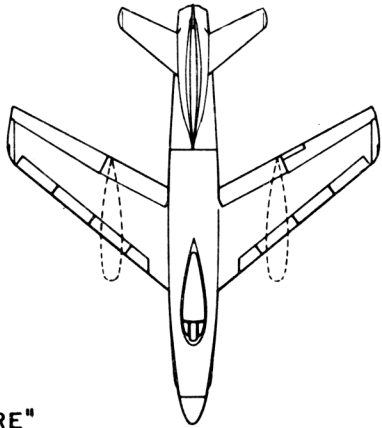
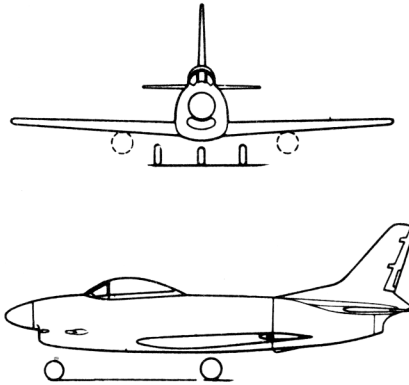


Characteristics Summary

FIGHTER (INTERCEPTOR) F-86K



"SABRE"



NORTH AMERICAN

Wing Area 287.9 sq ft Length 40.9 ft
Span See Note "C" *37.1 ft Height 15.0 ft

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

STATUS

- The F-86K is basically an F-86D modified to carry cannon in lieu of rocket armament.
- Contract Approved: Dec 53
- First Flight (YF-86K): Jul 54
- First Acceptance: May 55
- Production Status: Completed

Navy Equivalent: None

Mfr's Model: NA-207, NA-213, NA-221

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
Modified A-4 Gunsight
MG-4 Fire Control System
Wing Leading Edge Slats
Braking Parachute
Black Book
Max Fuel Capacity: 850 gal

ARMAMENT
Guns. 4 x 20 mm (M24A1)
Ammunition (tot)... 528 rds-
Rockets None
Bombs None

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5th Ed Addendum Nrg

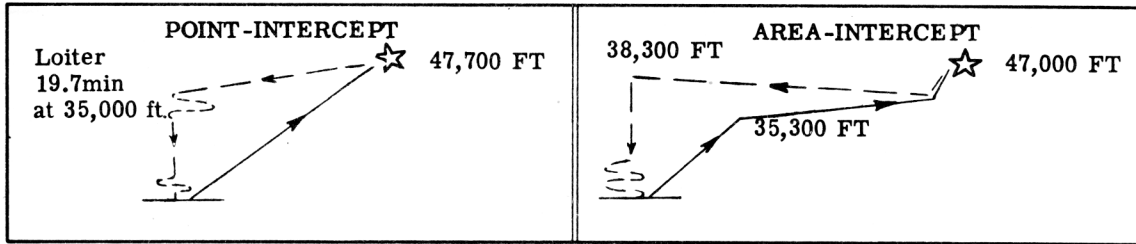
UNCLASSIFIED

OCT 15 1958

F-86K

57wc-4983

Characteristics Summary Basic Mission F-86 K



PERFORMANCE																	
INTERCEPT	FERRY RANGE	S P E E D															
POINT Total Mission Time for Interception at 47,700 ft. Equals 37.2 minutes AREA 236 Nautical Miles at 478 Knots Average in 1.15 hours	646 naut. mi. with 850 gal. fuel at 478 knots avg. in 1.44 hours at 20,001 lb. T.O. wt.	POINT COMBAT 504 knots at 47,700 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 10,950 fpm. at S.L. Take-Off Weight, Max. Power	POINT 49,600 ft. at 100 fpm, Take-Off Weight, Max Power	ground run AREA 2460 ft. no assist _____ ft. assisted															
POINT 12,000 fpm. at S.L. Combat Wt., Max. Pow.	POINT 47,700 ft at 500 fpm, Combat Weight, Max. Power	over 50 ft. height AREA 3680 ft. no assist _____ ft. assisted															
LOAD	WEIGHTS	STALLING SPEED															
Ammunition: 528 rds/20mm <table border="0"> <tr> <td></td> <td>POINT</td> <td>AREA</td> </tr> <tr> <td>Fuel</td> <td>610 gal.</td> <td>850 gal.</td> </tr> <tr> <td>protected</td> <td>0 %</td> <td>0 %</td> </tr> <tr> <td>droppable</td> <td>0 %</td> <td>28.3 %</td> </tr> <tr> <td>external</td> <td>0 %</td> <td>28.3 %</td> </tr> </table>		POINT	AREA	Fuel	610 gal.	850 gal.	protected	0 %	0 %	droppable	0 %	28.3 %	external	0 %	28.3 %	Empty 13,367 lb. Combat 16,252 lb. Point 17,090 lb. Area Take-off 18,379 lb. Point 20,171 lb. Area limited by mission	AREA 118.5 knots power-off, landing configuration, take-off weight TIME TO CLIMB POINT (b) 12.5 Min. S.L. to 47,700 Ft. Take-off Weight, Max. Power
	POINT	AREA															
Fuel	610 gal.	850 gal.															
protected	0 %	0 %															
droppable	0 %	28.3 %															
external	0 %	28.3 %															

N O T E S

- Performance Basis:
 - Flight test
 - From standing start
 - Aircraft Nr 56-4116 thru 4160 have a 12 inch extension added to each wing tip - span = 39.1 ft
- Revision Basis: To reflect minor changes.