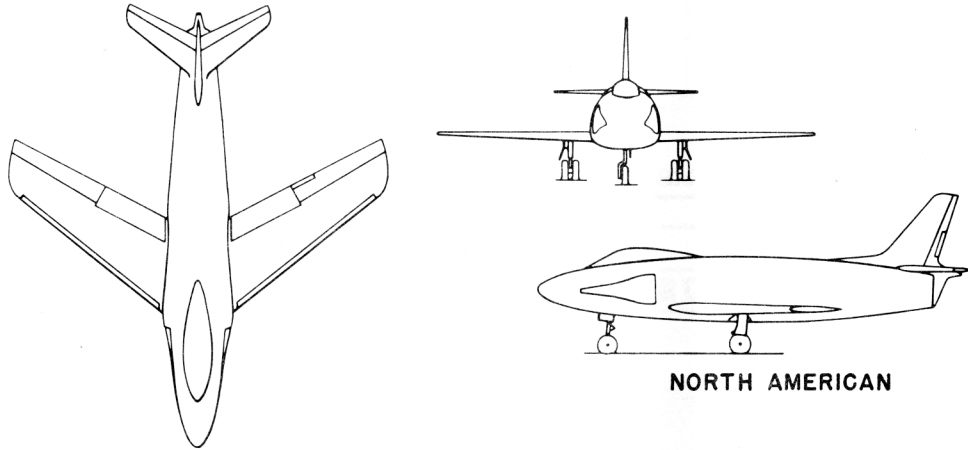


A-1
(Y)F-93A/chan
PRELIMINARY

Characteristics Summary

FIGHTER.....YF-93A



NORTH AMERICAN

Wing area 306.1 sq ft Length 44.1 ft
 Span..... 38.9 ft Height 15.8 ft

AVAILABILITY

PROCUREMENT

Number available

Number to be delivered in fiscal years

ACTIVE	RESERVE	TOTAL				

STATUS

1. F-86C redesignated YF-93A
2. First flight: (1st art) 24 January 1950
3. Estimated acceptance: March 1951
4. No production contemplated

POWER PLANT

(1) J48-P-1
 Pratt-Whitney
ENGINE RATINGS
 S.L.Static LB - RPM
 Max: *8000 - 11,000
 Mil: 6000 - 11,000
 Nor: 5000 - 10,450
 *With afterburner operating

FEATURES

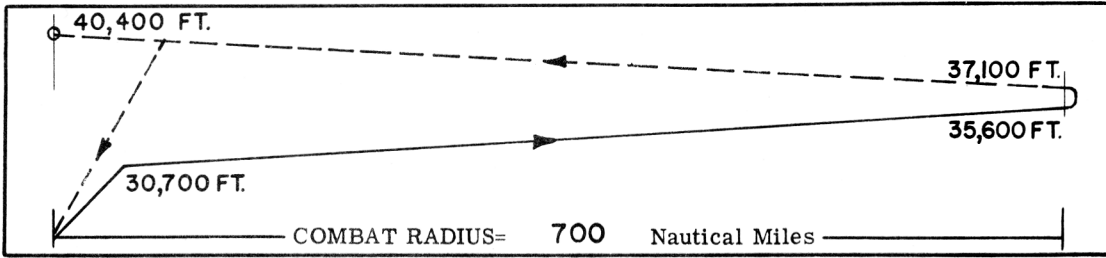
Crew: 1
 2.75 psi Pressure Differen-
 tial
 Cooling and Heating
 Ejection Seat and Canopy
 "G" Suit Provisions
 Adjustable Stabilizer
 Speed Brake
 Auto. Wing L.E. Slats
 Hydraulic Boost Control
 E-4 Auto Pilot
 Blind Landing Equipment
 Max Fuel Cap: 1581 gal

ARMAMENT

Turrets: None
 Guns: 6x20mm
 Ammunition (tot): 1380 rds
 Max Bomb Load: 2x1000 lb
 Rockets: 16x5" HVAR (T-38)
 or
 8x5" HVAR (T-200)
 AICM Sight
 AN/APG-30 Radar

Classification cancelled
 or changed to *CONFIDENTIAL*
 AUTH: *[Signature]*
 By *[Signature]*
 Signature and Grade 8 Dec 66
 000 Dir
 5200.10

Characteristics Summary Basic Mission YF-93A



PERFORMANCE		
COMBAT RADIUS	COMBAT RANGE	COMBAT SPEED
700 naut. mi with 0 lb payload at 465 knots avg. in 3.4 hours.	1708 naut. mi with 0 lb payload at 464 knots avg. in 3.8 hours.	540 knots at 35,000 ft alt, max power
		MAXIMUM SPEED
		615 knots at zero ft alt, max power
C L I M B	C E I L I N G	T A K E - O F F
2420 fpm sea level, take-off weight normal power	31,000 ft 100 fpm, take-off weight normal power	ground run 3770ft no assist — ft assisted
11,960 fpm sea level, combat weight maximum power	45,500 ft 500 fpm, combat weight maximum power	over 50 ft height 5420ft 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
Bombs: None Ammunition: 1380 rds/20mm	Empty..... 14,035 lb Combat... 21,610 lb Take - off 26,516 lb limited by strength	130 knots flaps down, take-off weight
Fuel: 1581 gal protected *100 % droppable 0 % external 0 %		TIME TO CLIMB 4.8 min. S.L. to 35,000 ft Combat Wt., Max. Power

N O T E S

- PERFORMANCE BASIS:
 - Based on estimated data
 - Fuel density: 6.7 lb/gal (JP-1)
 - In computing radius and range, specific fuel consumptions have been increased 5% to allow for variations of fuel flow in service aircraft.
 - Radius and Range are decreased to 679 and 1656 nautical miles when using JP-3 (6.5 lb per gallon)
- REVISION BASIS: To show engine ratings and changes in "Security", "Category", "Features", "Load" and "Notes" blocks.
*When using gasoline only.