

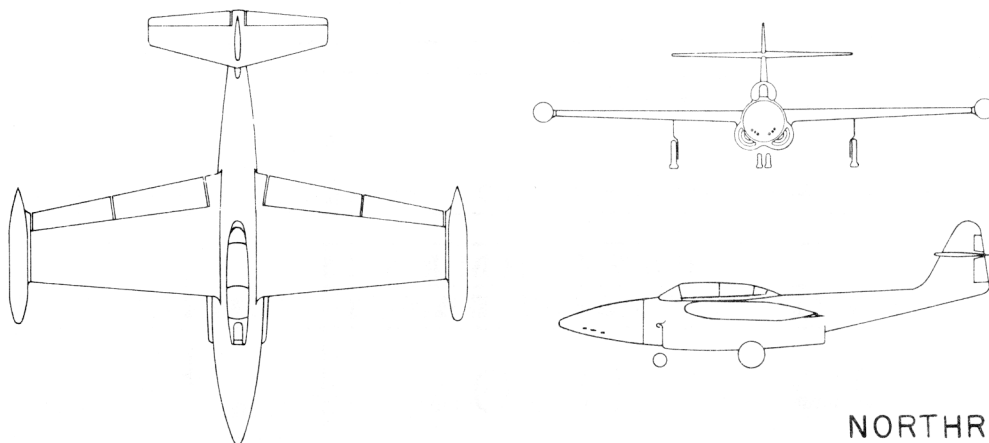
A-1
F-89A/char

CONFIDENTIAL

PRELIMINARY

Characteristics Summary

FIGHTER..... F-89A



NORTHROP

Wing area 606 sq ft Length 53.4 ft
Span (Incl.tanks) 56.2 ft Height 17.7 ft

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

STATUS

1. Design initiated: Sept 1946
2. First flight: (XF-89) Aug 1948
3. First flight: (F-89A) July 1950 (est)
4. First acceptance: July 1950 (est)
5. First service use: Oct 1950 (est)
6. In production

POWER PLANT

(2)J35-A-21 Allison
ENGINE RATINGS
S.L. Static LB RPM
Max: *6800 - 7900
Mil: 5200 - 7900
Nor: 4480 - 7400

*Afterburner operating

FEATURES

Crew: 2
Instrument Land. System
Zero Reader
Thermal Anti-icing
All-Weather Interception Radar
Ejection Seats
"G" Suit Provisions
Auto Pilot
Dive Brake
Max Fuel Cap: 1616 gal.

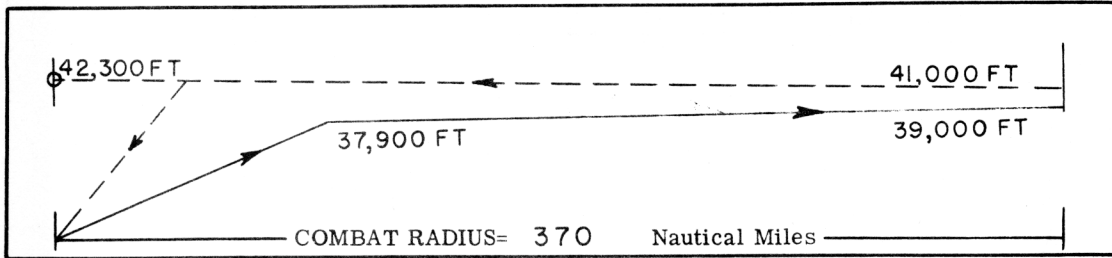
ARMAMENT

Turrets: None*
Guns: 6x20mm*
Ammunition: (tot.) 1200 rds
Max Bomb Load: 2x1600 lb
Max Bomb Size: 1600 lb
Rockets: 16x5' HVAR

*Turret or enclosed multiple rocket launcher may be substituted for guns.

Classification cancelled or changed to Unclassified
 AUTH: AFSC AF-60-101 class guide
 By G.R. Lomenbow 30 Sept 51
 Signature and Grade 8 Dec 66

Characteristics Summary Basic Mission F-89A



PERFORMANCE		
COMBAT RADIUS	COMBAT RANGE	COMBAT SPEED
370 naut. mi with 0 lb payload at 432 knots avg. in 2.13 hours.	1130 naut. mi with 0 lb payload at 434 knots avg. in 2.7 hours.	496 knots at 35,000 ft alt, max power
		MAXIMUM SPEED
		558 knots at zero ft alt, max power
CLIMB	CEILING	TAKE-OFF
3400 fpm sea level, take-off weight normal power	37,400 ft 100 fpm, take-off weight normal power	ground run 1960 ft no assist — ft assisted
10,800 fpm sea level, combat weight maximum power	50,200 ft 500 fpm, combat weight maximum power	over 50 ft height 2990 ft no assist — ft assisted
LOAD	WEIGHTS	STALLING SPEED
Bombs: None Ammunition: 1200 rds/20mm	Empty..... 23,645 lb Combat... 31,680 lb Take - off 36,400 lb limited by mission	98 knots flaps down, take-off weight
Fuel: 1616 gal protected 13 % droppable 0 % external 38 %		TIME TO CLIMB 4.0 min., S.L. to 35,000 ft. Combat Wt., Max. Power

N O T E S

1. PERFORMANCE BASIS:
 (a) Estimated data based on flight test of XF-89
 (b) Fuel density: 6.5 lb/gal
 (c) In computing Radius & Range, specific fuel consumptions have been increased 5% to allow for variation of fuel flow in service aircraft.

2. REVISION BASIS: Change in "Features", "Category" and "Status" blocks.