

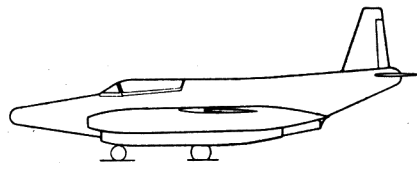
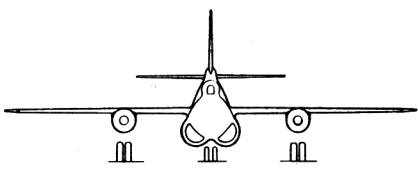
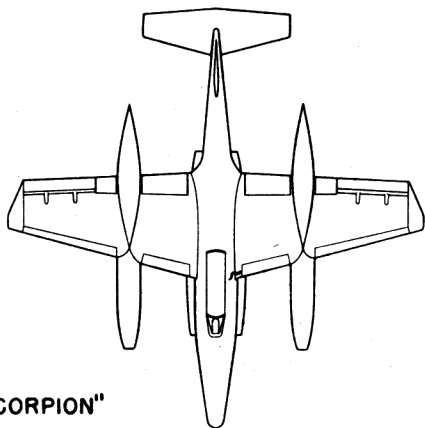
Deleted prior to 2nd Ed, Add/Nr 23 26 Feb 53 Initial Issue.

A-1 F-89F/char (Security Information) PRE-MOCK-UP

~~Confidential~~
SECRET

Characteristics Summary

FIGHTER (INTERCEPTOR) F-89F



Wing Area 650.3 sq ft Length 58.8 ft
Span 59.4 ft Height 21.0 ft

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

STATUS

- | | |
|---|--|
| <ol style="list-style-type: none"> Letter Contract: Nov. 51 Mock-up: Jun 52 (est) First Flight (prototype): Jul 53 (est) Formerly designated Advanced F-89 Major differences from the F-89D are: | <p>entirely new wing; wing nacelles housing missiles, rockets, fuel and main landing gear in lieu of wing tip pods; new engines; new landing gear; additional radar and armament; increased fuel capacity and other minor changes.</p> |
|---|--|
- Navy Equivalent: None Mfr's Model: N-81

POWER PLANT

(2) J71-A-7
Allison

ENGINE RATINGS

S.L.S.	LB - RPM - MIN
Max:	*14,500-6100† - 5
Mil:	10,200-6100† - 30
Nor:	8000 - 6100† - Cont

* With afterburner operating.
† Constant RPM maintained by auto-controlled variable area exhaust nozzle.

FEATURES

- Crew: 2
- Fuel Purging
- Single-point Refueling
- Automatic Approach Coupling
- Instrument Landing System
- Cabin Pressurization
- Hyd. Power operated Flight Controls
- Thermal Anti-icing
- All-weather Intercept. Radar
- E-9 Fire Control System
- Ejection Seats
- Zero Reader
- Combination Rocket-Missile
- Fuel Wing Nacelles
- All-movable Horizontal Tail Surface (Rotovator)
- Automatic Flight Control System (Auto-Flite System)
- Max Fuel Capacity 1800 gal

ARMAMENT

Guns: None

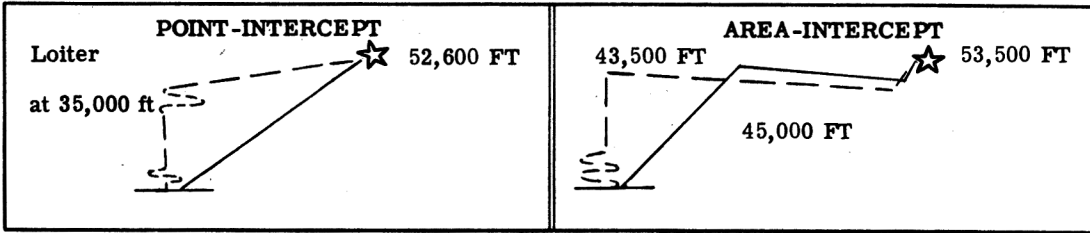
Bombs: None

Rockets: 42 x 2.75" FFAR

Missiles: 6 x XF-98 (Falcon)

Classification cancelled or changed to ~~Confidential~~ Unclassified
 AUTH: AFSC AFWC Sec. Files. Under DoD Dir 5200.10
 By: G. R. Lornaborn 3 April 1966
 Signature and Grade: 15 Dec 1966 30 March 67

Characteristics Summary Basic Mission. F-89F



PERFORMANCE		
INTERCEPT	FERRY RANGE	S P E E D
POINT Total Mission Time for Interception at 52,600ft. = 109.0 minutes AREA 370 Nautical Miles at 448 Knots Average in 1.72 hours	NOT AVAILABLE naut. mi with _____ gal fuel at _____ knots avg. in _____ hours at _____ lb T.O. wt.	POINT COMBAT 474 knots at 52,600 ft alt, max power MAX 628 knots at Zero ft alt, max power BASIC 502 knots at 50,000 ft alt, max power
CLIMB	CEILING	TAKE-OFF
POINT 31,600 fpm. at ft. Take-Off Wt., Max. Pow.	POINT 53,500 ft. at 100 fpm, Take-Off Weight, Max Power	ground run AREA 1860 ft _____ ft no assist assisted
POINT 35,000 fpm. at S.L. Combat Weight, Max. Power	POINT 52,600 ft at 500 fpm, Combat Weight, Max. Power	over 50 ft height AREA 2790 ft _____ ft no assist assisted
LOAD	WEIGHTS	STALLING SPEED
Rockets: 42 x 2.75" FFAR Missiles: 6 x XF-98 (Falcon)	Empty 36,000 lb Combat { 45,560 lb Point 43,878 lb Area Take-off 49,800 lb limited by space	AREA 116 knots power-off, landing config- uration, take-off weight TIME TO CLIMB (b) POINT 6.0 Min S.L. to 50,000 Ft Take-off Weight, Max. Power
Fuel 1800 gal protected 0 % droppable 0 % external 0 %		

N O T E S

- PERFORMANCE BASIS:
 - Estimated data (not substantiated by WADC)
 - From standing start
- REVISION BASIS: Initial issue based on MIL-C-5011A