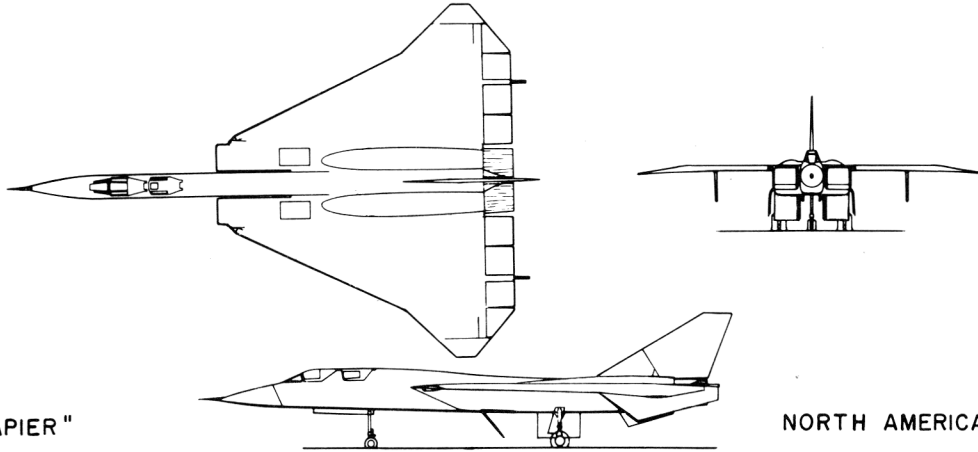


Characteristics Summary

FIGHTER (INTERCEPTOR) F-108 A



Wing Area 1865 sq ft Length 89.2 ft
 Span 57.4 ft Height 22.1 ft

A V A I L A B I L I T Y			P R O C U R E M E N T			
Number available			Number to be delivered in fiscal years			
ACTIVE	RESERVE	TOTAL				

S T A T U S	
1. Contract Date: Jun 57 2. Mock-Up Date: Jan 59 3. First Flight: Mar 61 (est)	
Navy Equivalent: None	Mfr's Model: NA-257

P O W E R P L A N T
(2) J93-GE-3AR
General Electric
ENGINE RATINGS
S.L.S. LB - RPM - MIN
Max: 29,300 - 6825 - Cont
Mil: 20,900 - 6825 - Cont
Nor: 18,400 - 6825 - Cont

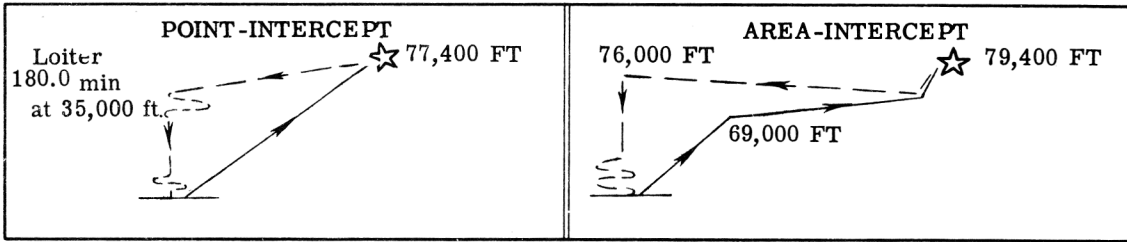
F E A T U R E S
Crew 2
Fire control system provides primary and auxiliary navigation, target search and detection and missile guidance.
Pressurized fuel system
Nitrogen fuel system purging
Liquid oxygen system
Engine thrust reverser
Encapsulated crew seats
Variable geometry inlet ducts
Max fuel capacity: 7109 gal

A R M A M E N T
Guns None
Bombs None
Rockets 3 x GAR-9

Classification cancelled or changed to *Unclassified*
 AUTH: *POD Dir 5908.10*
 By *William M. White 23 Jun 73*
 Signature and Grade

DOWNGRADED AT 3 YEAR INTERVALS;
 DECLASSIFIED AFTER 12 YEARS.
 DOD DIR 5200.10
C. R. Jenson 31 Mar 67

Characteristics Summary Basic Mission F-108 A



P E R F O R M A N C E														
INTERCEPT	FERRY RANGE	S P E E D												
<p>POINT Total Mission Time for Interception at 77,400 ft. Equals 193.6 minutes</p>	<p>2161 naut. mi. with 7109 gal. fuel</p>	<p>POINT COMBAT 1721 knots at 77,400 ft. alt, max. power</p>												
<p>887 AREA Nautical Miles at 1721 Knots Average in 1.20 hours</p>	<p>at 550 knots avg. in 3.92 hours at 100,094 lb. T.O. wt.</p>	<p>MAX 1721 knots at 73,900 ft. alt, max. power</p> <p>BASIC 1526 knots at 50,000 ft. alt. max. power</p>												
C L I M B	C E I L I N G	T A K E - O F F												
<p>POINT 32,600 fpm. at S.L. Take-Off Weight, Max. Power</p>	<p>POINT 73,950 ft. at 100 fpm, Take-Off Weight, Max Power</p>	<p>ground run AREA 2660 ft. _____ ft. no assist assisted</p>												
<p>POINT 39,600 fpm. at S.L. Combat Wt., Max. Pow.</p>	<p>POINT 77,400 ft at 500 fpm, Combat Weight, Max. Power</p>	<p>over 50 ft. height AREA 4275 ft. _____ ft. no assist assisted</p>												
L O A D	W E I G H T S	S T A L L I N G S P E E D												
<p>Rockets 3 x GAR-9</p>	<p>Empty 50,907 lb. Combat 86,253 lb. Point 76,118 lb. Area</p>	<p>AREA 128 knots power-off, landing config- uration, take-off weight</p>												
<p>Fuel</p> <table border="0"> <tr> <td></td> <td>POINT</td> <td>AREA</td> </tr> <tr> <td>protected</td> <td>7109 gal. 0%</td> <td>7109 gal. 0%</td> </tr> <tr> <td>droppable</td> <td>0% 0%</td> <td>0% 0%</td> </tr> <tr> <td>external</td> <td>0% 0%</td> <td>0% 0%</td> </tr> </table>		POINT	AREA	protected	7109 gal. 0%	7109 gal. 0%	droppable	0% 0%	0% 0%	external	0% 0%	0% 0%	<p>Take-off 102,533 lb. limited by structure</p>	<p>TIME TO CLIMB POINT ② 8.4 Min. S.L. to 77,400 Ft. Take-off Weight, Max. Power</p>
	POINT	AREA												
protected	7109 gal. 0%	7109 gal. 0%												
droppable	0% 0%	0% 0%												
external	0% 0%	0% 0%												

- N O T E S**
- Performance Basis:
(a) Estimated Data
 - From standing start: includes 1.2 minutes for take-off and acceleration to climb speed.
 - Revision Basis:
To reflect the installation of two J93-GE-3AR engines in the air vehicle.