

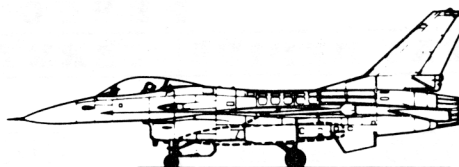
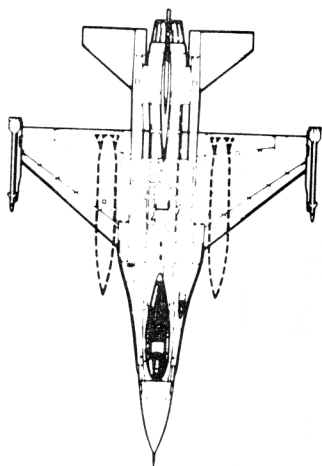
UNCLASSIFIED

CONFIDENTIAL

A1
F-16A/Char

Characteristics Summary

FIGHTER F-16A BLOCK 1-10



Wing Area 300 sq ft (U) Length 49.49 ft
Span 32.83 ft Height 16.43 ft

AVAILABILITY

PROCUREMENT

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

(U) STATUS

- | | |
|-----------------------------------------------------|------------------------------------|
| 1. Single-Place, single engine fighter | 5. Full Scale Development Airplane |
| 2. Prototype Contract Apr 72 | First Flight Dec 76 |
| 3. Prototype First Flight Feb 74 | 6. First Production Airplane |
| 4. Full Scale Development Contract Jan 75 | Delivery Aug 78 |

Navy Equivalent: None

Mfr's Model: 16

(U) POWER PLANT

(1) F100-PW-200
Pratt & Whitney

ENGINE RATINGS

S. L. S.	LB	RPM	(N ₁ /N ₂)	MIN
Max	*23,830	10,160/	-	5
		12,960		
Intermed:	14,670	10,200/	-	30
		12,980		
Max Cont:	12,420	9810/	-	Cont
		12,560		

* With afterburner operating

(U) FEATURES

Crew 1

AIM-9 Sidewinder Missiles
carried on wing tip launchers

8 tons external payload

Inflight refueling

High-g combat-optimized
advanced cockpit

Fixed Geometry Normal Shock
Inlet

Automatic Leading Edge
Maneuver Flap

Fly-by-wire flight control

Advanced Technology High
Thrust-to-Weight Engine

Aces II Ejection Seat

(U) ARMAMENT

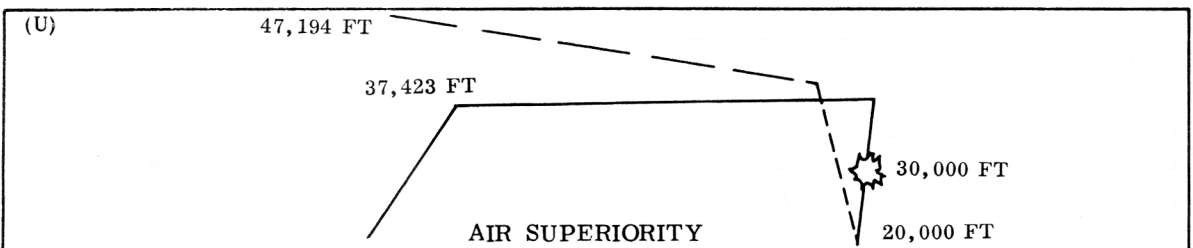
	TYPE	NO.
Gun	M-61A1 20mm	1
Missile (A-A)	AIM-9J	6
	AIM-9L	6
Guided Bomb	GBU-8/B, -10A/B, B, C/B	4
	GBU-12B/B	8
Conventional Bombs	MK-82	19
	MK-82 SNAKEYE, MK-36	15
	BLU-27B/B (F & UF)	4
Missile (A-G)	AGM-65A, B; LAU-3A	6
Dispenser	SUU-30H/B	13
	MK-20 MOD 4	15
	BL-755	8
Nuclear	B-43	4
	B-57, B-61	5
Training	SUU-20B/A	4
	ACMI	2

CLASSIFIED BY: F-16 SECURITY CLASSIFICATION GUIDE, 15 NOV 82
DECLASSIFY ON: 31 DEC 87

Classification cancelled
or changed to *Unclassified*

AUTH: *Sec. Classification guide 11 Dec 87 updated*
By *William M. White, GS-9, 7/30/87*
Signature and Grade

Characteristics Summary Basic Mission F-16A BLOCK 1-10



PERFORMANCE

COMBAT RADIUS	(C) FERRY RANGE	(C) S P E E D
(C) 693 naut. mi with 416.5 lb payload at 498 knots avg. in 3.29 hours.	(C) 2126 naut. mi with 2113 gal fuel at 482 knots avg. in 4.86 hours at 31,070 lb T.O. wt.	(C) COMBAT 1154 knots at 30,000 ft alt, max power MAX 1181 knots at 36,089 ft alt, max power

(U) C L I M B	(C) C F I L I N G	(U) T A K E - O F F
10,110 fpm sea level, take-off weight intermediate power	41,582 ft 100 fpm, take-off weight intermediate power	ground run 3725 ft -----ft no assist assisted
26,031 fpm sea level, combat weight maximum power	55,317 ft 500 fpm, combat weight maximum power	over 50 ft height 4990 ft ----- ft no assist assisted

(U) L O A D	(U) W E I G H T S	(U) L A N D I N G D I S T.
Missiles - 2 AIM-9J. . . 338 lb Ammo 78.5 lb Fuel: 1073 gal internal 740 gal external	Empty..... 15,306 lb Combat... 23,146 lb Take - off 29,253 lb	ground run total from 50 ft at sea level 2650 ft 3604 ft Landing Wt = 16,852 lb

(U) N O T E S

1. Performance Basis:
 - (a) FSD flight test data
 - (b) General Dynamics/Fort Worth Report 16PR1231
 - (c) Pratt and Whitney Aircraft Co. computer deck for engine data -- CCD 1072-4.0.
2. Revision Basis: Initial Issue