

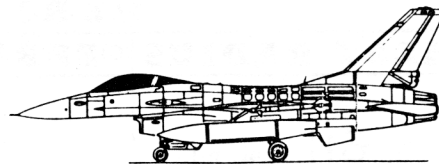
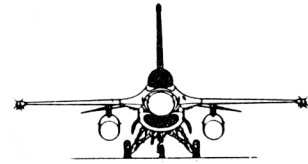
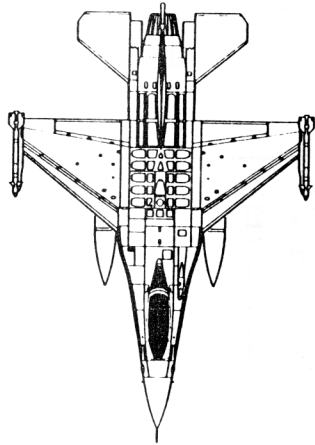
UNCLASSIFIED

CONFIDENTIAL

A1
F-16A/Rhar

Characteristics Summary

FIGHTER F-16A BLOCK 15



Wing Area 525 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 Delivery Aug 78 |
| 4. Full Scale Development Contract Jan 75 | 7. Block 15 First Production Delivery Nov 81 |
- 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

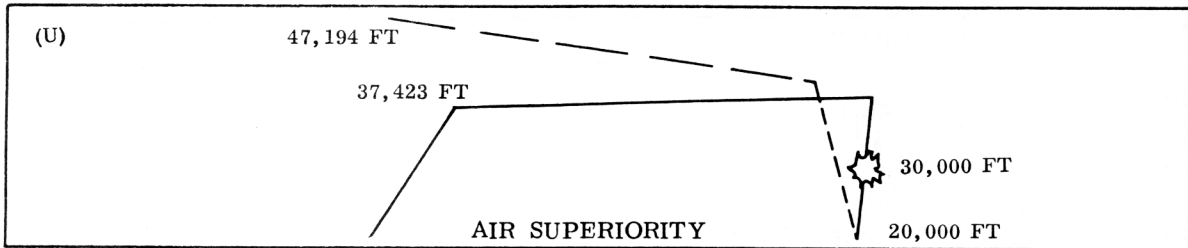
	TYPE	NO.
Gun	M-61A1 20mm	1
Missile (A-A)	AIM-9J	6
	AIM-9L	6
Guided Bomb	GBU-8/B, -10A/B, B, C/B	4
	GBU-12B/B	8
Conventional Bombs	MK-82	19
	MK-82 SNAKEYE, MK-36	15
	BLU-27B/B (F & UF)	4
Missile (A-G)	AGM-65A, B; LAU-3A/5003/68	6
Dispenser	SUU-30H/B	13
	MK-20 MOD 4	15
	BL-755	8
	M129E2	13
Nuclear	B-57, B-61	5
Training	SUU-20B/A	4
	ACMI	2
	TER-9/A (BDU-33D/B)	4

Classification cancelled or changed to *Unclassified*

AUTH: Sec. Classification Guide, Dec 81 updated 20 Apr 86
By: *William M. White, GS-9* 7/30/87
Signature and Grade

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

Characteristics Summary Basic Mission F-16A BLOCK 15



P E R F O R M A N C E

COMBAT RADIUS (C)	FERRY RANGE (C)	S P E E D (C)
(C) 611 naut. mi with 416.5 lb payload at 501 knots avg. in 2.59 hours.	(C) 2071 naut. mi with 2113 gal fuel at 458.5 knots avg. in 4.54 hours at 31,723 lb T.O. wt.	(C) COMBAT 1135 knots at 30,000 ft alt, max power MAX 1169 knots at 36,089 ft alt, max power
C L I M B (U)	C F I L I N G (C)	T A K E - O F F (L)
12,042 fpm sea level, take-off weight intermediate power	40,974 ft 100 fpm, take-off weight intermediate power	ground run 3229 ft ----- ft no assist assisted
22,920 fpm sea level, combat weight maximum power	54,837 ft 500 fpm, combat weight maximum power	over 50 ft height 5038 ft ----- ft no assist assisted
L O A D (U)	W E I G H T S (U)	L A N D I N G D I S T. (U)
Missiles - 2 AIM-9J 338.0 lb Ammo 78.5 lb Fuel: 1073 gal internal 740 gal external	Empty..... 15,961 lb Combat... 23,768 lb Take - off 29,896 lb	ground run total from 50 ft 2940 ft 3694 ft Landing Wt = 17,448 lb

N O T E S

- (U)
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