

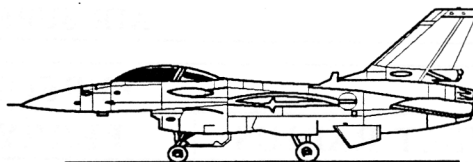
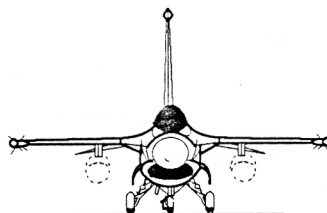
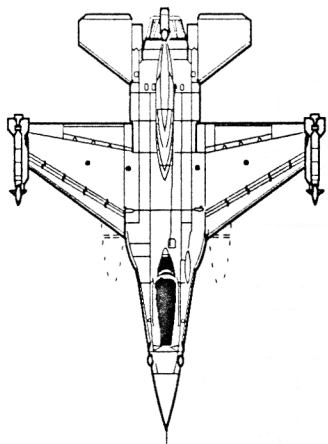
AI  
F-16C/CH2

UNCLASSIFIED

SERVICE

# CHARACTERISTICS SUMMARY

FIGHTER ..... F-16C BLOCK 32



GENERAL DYNAMICS

Wing Area ..... 300 sq ft      Length ..... 49.3 ft  
Span ..... 32.8 ft      Height ..... 16.6 ft

AVAILABILITY			PROCUREMENT			
Number available			Number to be delivered in fiscal year			
ACTIVE	RESERVE					

## STATUS

- |   |   |
|---|---|
| 1. Single-place, single engine fighter          | 6. First Production Airplane Delivery .... Aug 76 |
| 2. Prototype Contract ..... Apr 72              | 7. Block 32 First Production Airplane             |
| 3. Prototype First Flight ..... Feb 74          | Delivery ..... Jun 87                             |
| 4. Full Scale Development Contract ..... Jan 75 |   |
| 5. Full Scale Development Airplane              |   |
| First Flight ..... Dec 76                       | Mfr's Model: 16                                   |

## POWER PLANT

(1) F-100-PW-220  
Pratt & Whitney

ENGINE RATINGS

SLS	LB (lbf)	RPM (HPC)
Max*	23,770	13,020
Intermed	14,590	13,010

	SFC (LBM/HR/LBF)	TIME LIMIT (MIN)
Max*	2.18	5.0
Intermed	0.72	None

\*With afterburner

## 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

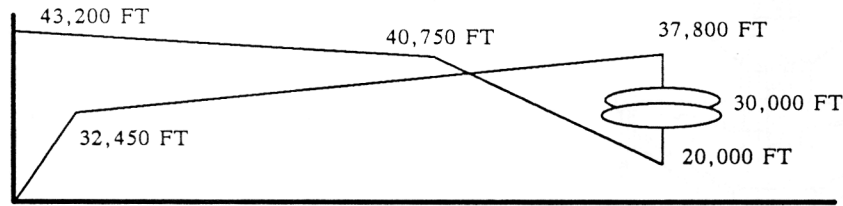
Advanced Technology High  
    Thrust-to-Weight Engine

Aces II Ejection Seat

## ARMAMENT

TYPE	NO.
Gun	
M-61A1 20mm	1
Missile (A-A)	
AIM-9L, M, N, P	6
AIM-20	6
Guided Bomb	
GBU-10B, A/B	4
GBU-12B, A/B, B/B, C/B, B/B	8
Conventional Bombs	
MK-82, MK-82 Snakeye, MK-36	12
MK-84	4
BLU-1C/B	8
BLU-52	4
Missile (A-G)	
AGM-65A, B, D	6
LAU-3/A, B/A, C/A, 5003A	4
Dispenser	
SUU-30H/B	10
MK-20 MOD/3, 4, 6	12
BL-755 MK-2	6
M129E2, MC-1	4
Nuclear	
B57, B61	5
Training	
SUU-20B/A, ACMI, TER-9/A	4

CHARACTERISTICS SUMMARY BASIC MISSION .....F-16C Block 32



AIR SUPERIORITY

PERFORMANCE

COMBAT RADIUS	FERRY RANGE	S P E E D	
<b>627</b> naut mi with 1247 lb payload at 477 knots avg in 2.75 hours	<b>1875</b> naut mi with 2113 gal fuel at 461 knots avg in 4.08 hours at 32,912 lb T.O. wt	COMBAT <b>1110</b> knots at 30,000 ft alt, max power  MAX <b>800</b> knots at 36,089 ft alt, max power	
C L I M B	C E I L I N G	T A K E - O F F	
T.O. weight (none) ———	<b>37,500</b> ft 100 fpm, take-off weight military power	ground run <b>3555</b> ft no assist	
<b>20,300</b> fpm sea level, combat weight maximum power	<b>52,450</b> ft 500 fpm, combat weight maximum power	over 50 ft height <b>5790</b> ft no assist	
L O A D	W E I G H T S	L A N D I N G D I S T.	
Missiles ..... 2 AIM-9L 2 AIM-120 with ammo, chaff & flares 1247 lb  Fuel: ..... 1073 gal internal 740 gal external	Empty ..... 17,078 lb Combat ..... 29,803 lb Take - off ..... 32,010 lb	Ground Roll at Sea Level <b>2305</b> ft	Total from 50 ft <b>3700</b> ft

N O T E S

- Performance Basis:
  - General Dynamics/Fort Worth Report 16PR8705 (Flight Test - Performance)
  - General Dynamics/Fort Worth Report 16PR7582 (Flight Test - Aerodynamics)
  - Pratt & Whitney Computer Deck CCD 1222-4.2 - Status: 12kw Bleeds (Engine)

Revision Basis: Initial Issue