

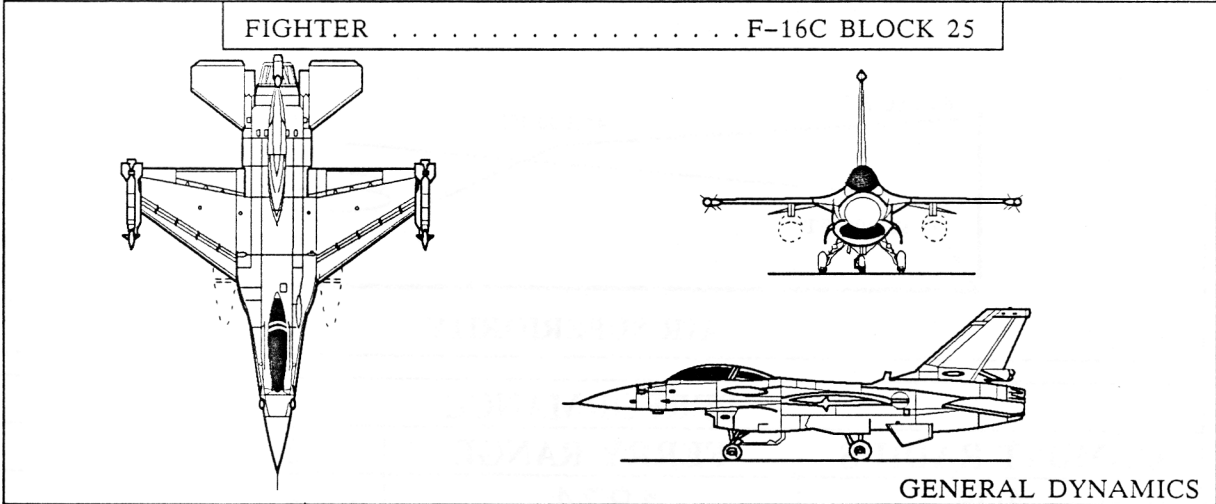
AI
F-16C/cha

UNCLASSIFIED

SERVICE

CHARACTERISTICS SUMMARY

FIGHTER F-16C BLOCK 25



GENERAL DYNAMICS

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

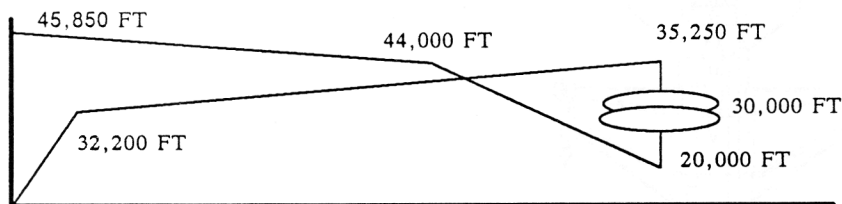
AVAILABILITY			PROCUREMENT			
Number available			Number to be delivered in fiscal year			
ACTIVE	RESERVE	TOTAL				

STATUS

- | | |
|---|--|
| 1. Single-place, single engine fighter | 6. First Production Airplane Delivery Aug 78 |
| 2. Prototype Contract Apr 72 | 7. Block 32 First Production Airplane |
| 3. Prototype First Flight Feb 74 | Delivery Jul 84 |
| 4. Full Scale Development Contract Jan 75 | |
| 5. Full Scale Development Airplane | |
| First Flight Dec 76 | Mfr's Model: 16 |

POWER PLANT	FEATURES	ARMAMENT
(1) F-100-PW-200 Pratt & Whitney ENGINE RATINGS	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.	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
SLS LB RPM (lbf) (HPC)		
Max* 23,830 12,960 Intermed 14,590 12,980		
SFC TIME LIMIT (LBM/HR/LBF) (MIN)		
Max* 2.17 5.0 Intermed 0.72 None		
*With afterburner		

CHARACTERISTICS SUMMARY BASIC MISSIONF-16C Block 25



AIR SUPERIORITY

PERFORMANCE								
COMBAT RADIUS	FERRY RANGE	S P E E D						
495 naut mi with 571 lb payload at 482 knots avg in 2.21 hours	1874 naut mi with 2113 gal fuel at 461 knots avg in 4.08 hours at 32,614 lb T.O. wt	COMBAT 1088 knots at 30,000 ft alt, max power MAX 1118 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) —	39,600 ft 100 fpm, take-off weight military power	ground run 3195 ft no assist						
19,884 fpm sea level, combat weight maximum power	52,300 ft 500 fpm, combat weight maximum power	over 50 ft. height 5425 ft no assist						
L O A D	W E I G H T S	STALLING SPEED						
Missiles 2 AIM-9L with ammo, chaff & flares 571 lb Fuel: 1073 gal internal 740 gal external	Empty 16,773 lb Combat 25,482 lb Take - off 30,810 lb	<table border="1"> <tr> <td>Ground Roll at Sea Level</td> <td>Total from 50 ft</td> </tr> <tr> <td>2298 ft</td> <td>3765 ft</td> </tr> <tr> <td colspan="2">Landing wt = 18,311 lb</td> </tr> </table>	Ground Roll at Sea Level	Total from 50 ft	2298 ft	3765 ft	Landing wt = 18,311 lb	
Ground Roll at Sea Level	Total from 50 ft							
2298 ft	3765 ft							
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N O T E S
1. Performance Basis: (a) General Dynamics/Fort Worth Report 16PR8704 (performance) (b) General Dynamics/Fort Worth Report 16PR7582 (aerodynamics) (c) Pratt & Whitney Computer Deck CCD 1151-3.1 - Status: 8.6kw bleeds (engine) Revision Basis: Initial Issue