

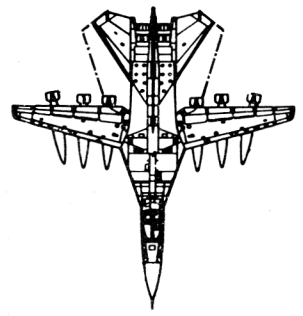
AI
(F) B-111A/Char

UNCLASSIFIED

SERVICE

Characteristics Summary

BOMBER FB-111A



GENERAL DYNAMICS

Wing Area (Wgs out) 550 sq ft Length 75.5 ft
Span 70.0 ft Height 17.0 ft

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

STATUS

- The FB-111A is the bomber version of the F-111A.
 - Date of contract: Dec 66
 - First Flight (Prototype) Jul 67
 - First Acceptance: Aug 68
 - Production Completed: Jun 71
- Navy Equivalent: None Mfr's Model: 12

POWER PLANT

(2) TF30-P-7
Pratt & Whitney

ENGINE RATINGS

SLS	LB	- RPM	- MIN
Max:	*20,350	- 14,550	- 45
Intermed:	12,350	- 14,400	- 45
Max Cont:	10,800	- 14,150	- Cont

* With afterburner operating

FEATURES

Crew 2

ECM Equipment
Variable sweep wing
Integrated crew escape module
Automatic pilot
Speed brakes
Leading and trailing edge high lift devices
Lead computing sight
Inertial Navigation
Terrain following radar
Internal and external weapons arrangements
In flight refueling

Fuel Capacity: (int) 5623 gal
(6) wing tanks 3600 gal
Total: 9223 gal

ARMAMENT

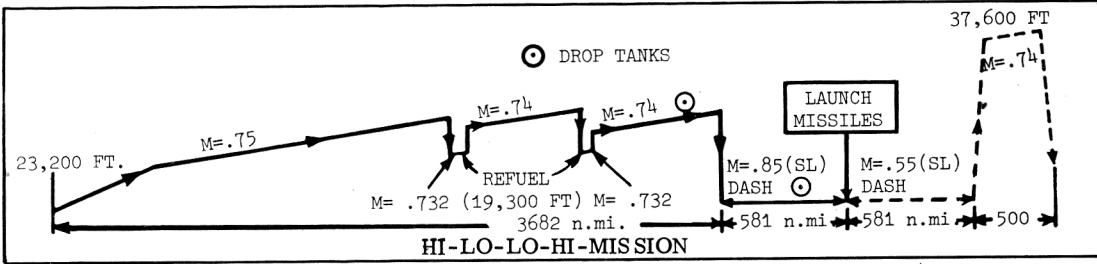
Missiles
AIM-69A 6

Special Stores
B-43, B-57, B-61 6

Bombs
M-117A1 24

Dispensers
CBU-24 24
CBU-52B/B 24

Characteristics Summary Basic Mission FB-111A



PERFORMANCE		
COMBAT RANGE	FERRY RANGE	S P E E D
5344 naut. mi with 8988 lb payload at 432 knots avg. in 12.01 hours.	4156 naut. mi with 9223 gal fuel at 437 knots avg. in 9.53 hours at 114,277 lb T.O. wt.	COMBAT 728 knots at SL ft alt, max thrust MAX 1262 knots at 50,000 ft alt, max thrust BASIC 1188 knots at 35,000 ft alt, max thrust
C L I M B	C E I L I N G	T A K E - O F F
3036 fpm sea level, take-off weight intermed. thrust	23,008 ft 100 fpm, take-off weight intermed. thrust	ground run 6200 ft no assist
22,870 fpm sea level, combat weight maximum thrust	49,993 ft 500 fpm, combat weight maximum thrust	over 50 ft height 7480 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.
(4) AGM-69A Missiles (2 in wpn bay plus 2 ext) * Fuel: 7438 gal protected Zero % droppable 24.25 % external 24.25 %	Empty..... 47,481 lb Combat... 70,380 lb Take - off 110,646 lb limited by mission	ground roll (3) 1700 ft over 50 ft (3) 2780 ft Landing Wt. = 53,293

N O T E S
1. Performance Basis: Calculated data based on preliminary flight test General Dynamics Report FZA-12-6015.
2. Revision Basis: Initial Issue.
3. Landing distance without thrust reverser or drag chute.