CHARACTERISTICS SUMMARY

BOMBER ................. FB-111A

Wing Area .............. 550 sq ft
Length .................. 73.47 ft
Span (extended) ........ 70 ft
Height .................. 17.04 ft

GENERAL DYNAMICS

POWER PLANT

(2) TF30-P-107 Turbofan
(Pratt & Whitney)

ENGINES RATINGS

SLS LB - RPM - MIN
Max: *20,350 -14,550 - 45
Int: 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
Automatic Terrain Following Radar
Precision Digital Bombing
Inertial Navigation System
Full Span Wing Leading Edge High Lift Devices
Inflight Refueling
All Weather Day or Night Operating Capability
Intercontinental Range
Sonic Capabilities: 1.1M @ SL to 2.2M @ Alt
Air Conditioning
Speed Brake
Tail Hook (Arresting)
Landing Gear Sidewall Field Capability
Fuel Capacity (Internal) ........ 5623 Gal

STATUS

1. Design initiated ........ Aug 63
2. Contract approved .... Dec 66
3. Mock-up ................ Nov 66
4. First flight ............ July 67
5. First acceptance ........ Sep 69
6. Total production aircraft contracted for ........ 76
7. Production completed ........ Apr 71

NAVY EQUIVALENT: NONE

MFG'S MODEL: 12

ARMAMENT

TYPE NO.
Nuclear Air-to-Ground Missiles AGM-69A (SRAM) .... 6

Nuclear Bombs
B-43, B-57, B-61 ........ 6 ea

Conventional Bombs:
M-117, M-117D, M-117R .... 16
MK-82 and MK-82 Snakeye (LD) ........ 24
MK-82, MK82 Snakeye (HD) .... 24
MK-82 Snakeye (HD) ........ 20
MK-84 ........ 4
MK-36 ........ 20

Dispensers
CBU-24/49/52/58/71 .......... 20
MK-20 ........ 20
**PERFORMANCE**

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>FERRY RANGE</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>4435 naut mi</td>
<td>4313 naut mi</td>
<td>COMBAT 728 knots at zero ft alt, A/B power*</td>
</tr>
<tr>
<td>with (4) AGM-69A + 4 tanks outbound (subsonic) at 455 kts avg; return (subsonic) at 430 kts avg with 585 naut mi SL combat zone radius and 5520 naut mi total mission distance in 12.45 hours</td>
<td>with 9233 gal fuel</td>
<td>MAX 1262 knots at 50,000 ft alt, A/B power**</td>
</tr>
<tr>
<td></td>
<td>at 436 knots avg</td>
<td>BASIC 1185 knots at 35,000 ft alt, A/B power*</td>
</tr>
<tr>
<td></td>
<td>in 9.53 hours</td>
<td>*V_H limit</td>
</tr>
<tr>
<td></td>
<td>at 114,277 lb T.O. wt</td>
<td>**Cont engine operation limit</td>
</tr>
<tr>
<td></td>
<td>(6) 600 gal tanks dropped.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CLIMB</th>
<th>CEILING</th>
<th>TAKE-OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>2685 fpm</td>
<td>22,780 ft</td>
<td>5350 ft</td>
</tr>
<tr>
<td>sea level, takeoff weight intermediate power</td>
<td>100 fpm, takeoff weight intermediate power</td>
<td>ground run</td>
</tr>
<tr>
<td>28,600 fpm</td>
<td>51,750 ft</td>
<td>6670 ft</td>
</tr>
<tr>
<td>sea level, combat weight maximum power, .95M 72.5° sweep</td>
<td>500 fpm, combat weight maximum power</td>
<td>no assist</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LOAD</th>
<th>WEIGHTS</th>
<th>LANDING DIST.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Missiles (4) ........ 8988 lb</td>
<td>Empty ........ 47,481 lb</td>
<td>ground run over 50 ft height</td>
</tr>
<tr>
<td>Fuel transferred by tanker .... 63,367 lb</td>
<td>Combat ........ 69,367 lb</td>
<td>1720 ft</td>
</tr>
<tr>
<td>Fuel: 7446 gal</td>
<td>Take-off ........ 110,649 lb</td>
<td>2730 ft</td>
</tr>
<tr>
<td>protected 0 %</td>
<td>Wt 3248 lb</td>
<td></td>
</tr>
<tr>
<td>droppable 32.2 %</td>
<td></td>
<td></td>
</tr>
<tr>
<td>external 32.2 %</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTES**

1. Performance Basis:
   (a) Contractors Data Based on flight test and wind tunnel results.
   (b) Convair Aerospace Division, Fort Worth Operation Reports: FZA-12-6021; FZA-12-6007; FZW-12-6037

2. Landing distance without thrust reverser or drag chute

Revision Basis: To update engine designation.

FB-111A