Characteristics Summary

BOMBER ............... XB-51

Wing area ............... 548 sq ft Length ...................... 85.1 ft
Span ..................... 53.1 ft Height ..................... 17.3 ft

AVAILABILITY

<table>
<thead>
<tr>
<th>Number available</th>
<th>PROCUREMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTIVE</td>
<td>RESERVE</td>
</tr>
</tbody>
</table>

PROCUREMENT

Number to be delivered in fiscal years

STATUS

1. Design initiated: Feb 47
2. First flight: (1st Art.) Oct 49
3. First flight: (2nd Art.) Apr 50
4. First acceptance: (1st Art.) Jan 52
5. First acceptance: (2nd Art.) Dec 51

Navy Equivalent: None

Mfr's Model: 234

POWER PLANT

(3) J47-GE-13
General Electric
ENGINE RATINGS

S.L. Static LB - RPM - MIN
Max: *6000 - 7950 - 5
Mill: 5200 - 7950 - 30
Nor: 4320 - 7370 - Cont
*Wet

ATO
No. & Model... (4)14AS1000
Mfr ............ Aerojet
Thrust (lb) .......... 1000
Duration (sec) ........... 14

FEATURES

Crew: 2
Cabin Pressurization and Cooling
Ejection Seats
Shoran
Variable Wing & Tail Incidence
Deceleration Parachute
Max Fuel Cap: 3535 gal

ARMAMENT

Turrets: None
Guns: 8x20 mm
Ammunition (tot): 1280 rds
Max Bomb Load:
Internal: 4x1600 lb
External: 2x2000 lb
Max Bomb Size: 4000 lb
Rocket Provisions: 8x5' HVAR

11 JULY 1952

X B-5 1

SECRET

3rd Ed 13 March 1953
### Characteristics Summary Basic Mission

**XB-51**

**Performance**

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>FERRY RANGE</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>408 naut. mi</td>
<td>1255 naut. mi</td>
<td><strong>COMBAT 560</strong> knots at Zero ft alt, max power</td>
</tr>
<tr>
<td>with 4000 lb payload</td>
<td>with 3535 gal fuel</td>
<td><strong>MAX 560</strong> knots at Zero ft alt, max power</td>
</tr>
<tr>
<td>at 470 knots avg.</td>
<td>at 470 knots avg.</td>
<td><strong>BASIC 502</strong> knots at 35,000 ft alt, max power</td>
</tr>
<tr>
<td>in 1.86 hours.</td>
<td>in 2.69 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TAKE-OFF</strong></td>
</tr>
<tr>
<td><strong>CLIMB</strong></td>
<td><strong>CEILING</strong></td>
<td><strong>TAKE-OFF</strong></td>
</tr>
<tr>
<td>3660 fpm</td>
<td>31,800 ft</td>
<td>ground run</td>
</tr>
<tr>
<td>sea level, take-off weight</td>
<td>100 fpm, take-off weight</td>
<td>4225 ft</td>
</tr>
<tr>
<td>normal power</td>
<td>normal power</td>
<td>no assist</td>
</tr>
<tr>
<td>6500 fpm</td>
<td>37,700 ft</td>
<td><strong>STALLING SPEED</strong></td>
</tr>
<tr>
<td>sea level, combat weight</td>
<td>500 fpm, combat weight</td>
<td>over 50 ft height</td>
</tr>
<tr>
<td>maximum power</td>
<td>maximum power</td>
<td>5760 ft</td>
</tr>
<tr>
<td></td>
<td></td>
<td>no assist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4620 ft</td>
</tr>
<tr>
<td></td>
<td></td>
<td>assisted</td>
</tr>
</tbody>
</table>

**Load Weights**

<table>
<thead>
<tr>
<th>BOMBS</th>
<th>AMMUNITION</th>
<th>FUEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>4000 lb</td>
<td>1280 rds/20 mm</td>
<td>2835 gal</td>
</tr>
<tr>
<td>E</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>D</td>
<td>0%</td>
<td>0%</td>
</tr>
</tbody>
</table>

**Property of the Air Force Museum**

**Property of the Army Air Force Base**

1. Performance Basis:
   (a) Estimated data
2. Revision Basis: To conform to MIL-C-5011A

**Notes**

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**XB-51**

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**11 JULY 1952**