Characteristics Summary

BOMBER · · · · · · · · · · · · B-47 B

"STRATOJET"

BOEING

Wing area ...................... 1428 sq ft
Length .......................... 106.7 ft
Span .......................... 116 ft
Height .......................... 27.9 ft

AVAILABILITY

<table>
<thead>
<tr>
<th>Number available</th>
<th>PROCUREMENT</th>
</tr>
</thead>
</table>
| ACTIVE           | RESERVE     | TOTAL

STATUS

1. Design initiated: Sep 48
2. First flight: 27 Feb 51 (est.)
3. First acceptance: Mar 51 (est.)

Navy Equivalent:
None

Mfr Model:
450-11-10

POWER PLANT

(6) J47-GE-11
General Electric

ENGINE RATINGS
S.L. Static LB-RPM-MIN
Max: 5200-7950-5
Mil: 5200-7950-30
Nor: 4790-7630-Cont.
ATO

(1) Aerojet..... (18)14AS1000
Thrust (lb)........ Tot. 18,000
Duration (sec).............. 14

(1) Aerojet..... (18)15KS1000
Thrust (lb)........ Tot. 18,000
Duration (sec).............. 15

FEATURES

Crew: 3
Thermal Anti-icing
Bomber-Navig.Radar, K-2A
A-2 Fire Control System
Gun-Laying Radar
Anti-Skid Brakes
Braking Parachute
Bail-out Spoiler Door
Internal Fuel Tank Purging
Provisions for Vertical Camera

Single-Point Ground & Air Refueling Provisions
Max Fuel Cap: 16,553 gal
ATO Fuel (JP-3) 558 gal

ARMAMENT

Turrets: 1
Guns: 2x.50 cal
Ammunition (tot.): 1200 rds
Max Bomb Load: 1x22,000 lb
Max Bomb Size: 22,000 lb
# Characteristics Summary Basic Mission

---

**SERV**

**C O N F I D E N T I A L**

**B-47B**

---

**Performance**

<table>
<thead>
<tr>
<th><strong>Combat Radius</strong></th>
<th><strong>Combat Range</strong></th>
<th><strong>Combat Speed</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1750 naut. mi</td>
<td>3360 naut. mi</td>
<td>486 (c) knots at 35,000 ft alt, max power</td>
</tr>
<tr>
<td>with 10,000 lb payload</td>
<td>with 10,000 lb payload</td>
<td></td>
</tr>
<tr>
<td>at 431 knots avg.</td>
<td>at 431 knots avg.</td>
<td></td>
</tr>
<tr>
<td>in 8.3 hours.</td>
<td>in 8.0 hours.</td>
<td></td>
</tr>
</tbody>
</table>

**Maximum Speed**

- 537 (d) knots at 10,800 ft alt, max power

---

**Climb Ceiling Take-off**

<table>
<thead>
<tr>
<th><strong>Climb Ceiling</strong></th>
<th><strong>Take-off</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>2650 fpm sea level, take-off weight normal power</td>
<td>33,500 ft 100 fpm, take-off weight normal power</td>
</tr>
<tr>
<td>5200 fpm sea level, combat weight maximum power</td>
<td>41,500 ft 500 fpm, combat weight maximum power</td>
</tr>
</tbody>
</table>

**Load Weights Stallling Speed**

<table>
<thead>
<tr>
<th><strong>Load</strong></th>
<th><strong>Weights</strong></th>
<th><strong>Stalling Speed</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bombs: 10,000 lb</td>
<td>Empty..... 77,830 lb</td>
<td>137 knots flaps down, take-off weight</td>
</tr>
<tr>
<td>Ammunition: 1200 rds/.50 cal</td>
<td>Combat... 121,800 lb</td>
<td></td>
</tr>
<tr>
<td>Fuel: 12,770 gal</td>
<td>Take - off 181,440 lb</td>
<td></td>
</tr>
<tr>
<td>protected 0 %</td>
<td>limited by strength</td>
<td></td>
</tr>
<tr>
<td>droppable 0 %</td>
<td></td>
<td></td>
</tr>
<tr>
<td>external 0 %</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes**

1. PERFORMANCE BASIS:
   - (a) Estimated data
   - (b) Fuel density: 6.8 lb/gal (JP-1)
   - (c) Limited by buffeting
   - (d) Limited by strength
2. REVISION BASIS: To reflect changes in “Status” and “Power Plant” blocks.
3. Liquid rockets will be used at ATO when available

---

Property of the Air Force Museum
Wright-Patterson Air Force Base
Ohio 45433

B-47B  C O N F I D E N T I A L  9 FEBRUARY 1951