Characteristics Summary

BOMBER B-47B

"STRATOJET" BOEING

Wing Area .......... 1428 sq ft  Length .......... 106.8 ft
Span ............... 116.0 ft  Height ............ 27.9 ft

AVAILABILITY

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

STATUS

1. Design initiated: Sep 48
2. First flight: 27 Feb 51
3. First acceptance: Mar 51
4. Production completion: Jun 53

5. The 1st to 298th aircraft have -23 engines; -25 engines to be installed from the 299th aircraft on. B-47B aircraft with -25 engines assume Roman Numeral One (B-47B(I)) configuration and are similar to B-47E-II configuration.

Mfr's Model: 450-67-27

POWER PLANT

(6) J47-GE-23
General Electric
ENGINE RATINGS
S.L.S.  LB - RPM - MIN
Max: 5910 - 7950 - 5
Mil: 5620 - 7600 - 30
Nor: 5270 - 7630 - Cont
ATO
Nr & Model, †(33)14AS1000
Thrust (lb) ...... 33,000
Duration (sec) .... 14
or
Nr & Model, †(19)5KS1000
Thrust (lb) ...... 19,000
Duration (sec) .... 15
† Manufactured by Aerojet
*See note c, Notes Block

FEATURES

Crew .......... 3
Thermal anti-icing
Bombing-navigational radar
Anti-skid brakes
Braking parachute
Bail-out spoiler door
Internal fuel tank purging
(1)K-28 or alternates (vertical camera)
Single-point ground and air refueling provisions
B-4 fire control
K-4A bombing-nav. system
Max fuel capacity: 17,290 gal

ARMAMENT

Turrets: ........... 1
Guns: ... 2x50 cal(M-3) Ammunition (tot) 1200 rds
BOMBS (Max)
Class (lb) Load
SHORT BOMB BAY
Interim: *3x2000 *13x500
New Series
*7x750 *7x750
LONG BOMB BAY
WWII 2x4000 16x1000
Interim: *6x2000 *18x1000
New Series
*1x25,000 *21x750
1x25,000 8x750
*Hi-Density Kit
## Characteristics Summary Basic Mission

**B-47B**

### Performance

<table>
<thead>
<tr>
<th>Performance</th>
<th>Ferry Range</th>
<th>Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Combat Radius</strong></td>
<td>1704 naut. mi</td>
<td><strong>combat</strong> 484 knots at 38,800 ft alt, max power</td>
</tr>
<tr>
<td>with 10,000 lb payload</td>
<td>with 15,213 gal fuel</td>
<td>528 knots at 16,300 ft alt, max power</td>
</tr>
<tr>
<td>at 433 knots avg.</td>
<td>at 432 knots avg.</td>
<td>491 knots at 35,000 ft alt, max power</td>
</tr>
<tr>
<td>in 7.87 hours.</td>
<td>in 8.94 hours</td>
<td>Basic</td>
</tr>
</tbody>
</table>

### Climb and Ceiling

- **Climb**: 2560 fpm sea level, take-off weight normal power
- **Ceiling**: 33,900 ft 100 fpm, take-off weight normal power
- **Ground Run**: 9100 ft no assist 7200 ft assisted
- **Over 50 ft Height**: 10,650 ft no assist 8650 ft assisted

### Load Weights

- **Bombs**: 10,000 lb
- **Ammo**: 1200 rds/50 cal
- **Fuel**: 13,900 gal protected 100% droppable 0% external 0%

### Stall Speed

- Empty... 78,102 lb
- Combat... 122,650 lb
- Take-off 184,908 lb
- Limited by space *Includes 1296 lb ATO charge

### Notes

1. Performance Basis:
   - (a) Flight test data
   - (b) Performance is shown for a B-47B aircraft not modified to the B-47B-I configuration. Performance of an aircraft that has been modified to Roman Numeral One configuration is similar to that presented for B-47E-II configuration.
   - (c) Displacement rack must be used in carrying (19) 15SS1000 (Aerojet) ATO bottles or (30) 16NS1000 (Philips Petroleum) ATO bottles.

2. Placard Speed

3. Revision Basis:
   - (a) To reflect changes in performance due to an increase in the in-flight gross weight; also change in security classification.