### Characteristics Summary

**BOMBER B-47E II**

**"STRATOJET"**

**Boeing**

- **Wing Area**: 1428 sq ft
- **Length**: 107.1 ft
- **Span**: 116.0 ft
- **Height**: 28.0 ft

### Availability

<table>
<thead>
<tr>
<th>Active</th>
<th>Reserve</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Procurement

<table>
<thead>
<tr>
<th>Number to be delivered in fiscal years</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

### Status

1. Performance and characteristics shown for the B-47E-II is representative of the Basic B-47E Airplane.
2. Engine change and landing gear modifications that have been made to B-47E-I aircraft closes the gap in the aircraft capability differential between the B-47E-I and the B-47E-II.

Navy Equivalent: None

Mfr's Model: 450-157-35

### Power Plant

- **Engine**: (6) J47-GE-25, -25A
- **General Electric**
- **Engine Ratings**:
  - S.L.S.:
    - LB: 9800
    - RPM: 10,000
    - MIN: 3000
  - Max: 7200 - 7500
  - Mil: 5970 - 7950
  - Nor: 5320 - 7630
  - Comp: 2200 - 2500
- **With water flow of 850 lb/min**

### Features

- **Crew**: 3
- **Thermal anti-icing**
- **MA-7A bombing navigation system**
- **A-5 or MD-4 fire control system**
- **Anti-skid brakes**
- **Approach chutes**
- **Braking chutes**
- **Ejection seats**
- (1) K-38 or alternate vertical camera
- **Single-point and air refueling**
- **External droppable ATO rack**
- **Max fuel cap:** *18,000 gal*
- "Includes wing drop tanks"

### Armament

- **Turrets**: 1
- **Guns**: 2 x 20mm (M34A1)
- **Ammunition**: 700 rds (tot)
- **BOMBS**: (Max)
  - Class (lb): Load
  - SHORT BOMB BAY
    - Interim: 3x2000 (M-123)
    - New: 3x2000
  - Series: 7x750
  - Class (lb): Load

*Hi-Density Kit* ↑ Lo-Density

---

**12 APR 61**

**UNCLASSIFIED**

**B-47E II**
**Characteristics Summary Basic Mission B-47E II**

**Performance**

<table>
<thead>
<tr>
<th>Performance</th>
<th>Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combat Radius</td>
<td>Ferry Range</td>
</tr>
<tr>
<td>1749 naut. mi</td>
<td>4035 naut. mi</td>
</tr>
<tr>
<td>with 10,845 lb payload</td>
<td>with 16,918 gal fuel</td>
</tr>
<tr>
<td>at 433 knots avg.</td>
<td>at 433 knots avg.</td>
</tr>
<tr>
<td>in 8.1 hours.</td>
<td>in 9.4 hours</td>
</tr>
<tr>
<td>at 20,000 lb T.O. wt.</td>
<td>at 38,550 ft</td>
</tr>
</tbody>
</table>

**Climb**

<table>
<thead>
<tr>
<th>Climb</th>
<th>Ceiling</th>
<th>Take-Off</th>
</tr>
</thead>
<tbody>
<tr>
<td>2430 fpm</td>
<td>33,100 ft</td>
<td>7900 ft (c)</td>
</tr>
<tr>
<td>sea level, take-off weight</td>
<td>100 fpm, take-off weight</td>
<td>no assist</td>
</tr>
<tr>
<td>normal power</td>
<td>normal power</td>
<td>assisted</td>
</tr>
<tr>
<td>4660 fpm</td>
<td>40,500 ft</td>
<td>9400 ft (c)</td>
</tr>
<tr>
<td>sea level, combat weight</td>
<td>500 fpm, combat weight</td>
<td>no assist</td>
</tr>
<tr>
<td>maximum power</td>
<td>maximum power</td>
<td>assisted</td>
</tr>
</tbody>
</table>

**Load Weights**

<table>
<thead>
<tr>
<th>Load</th>
<th>Weights</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bombs: 10,000 lb</td>
<td>Empty.... 80,756 lb</td>
</tr>
<tr>
<td>Chaff: 845 lb</td>
<td>Combat... 124,875 lb</td>
</tr>
<tr>
<td>Ammunition: 700 rds/20mm</td>
<td>Take-off 196,180 lb</td>
</tr>
<tr>
<td>Fuel: 14,610 gal</td>
<td>limited by internal fuel capacity.</td>
</tr>
<tr>
<td>protected 69.5 %</td>
<td>power-off, landing configuration, take-off weight</td>
</tr>
<tr>
<td>droppable 0 %</td>
<td>152.3 knots</td>
</tr>
<tr>
<td>external 0 %</td>
<td></td>
</tr>
</tbody>
</table>

**Notes**

1. Performance Basis:
   - (a) Flight test data
   - (b) Values quoted are for take-off weight less 3207 lb ATO and 5300 lb water-alcohol,
   - (c) With medium flow water injection,
   - (d) With medium flow water injection and (19) 15 KSI1000 ATO bottles,
   - (e) Lascard speed
   - (f) Displacement rack must be used in carrying (19) 15KSI1000 (Aerojet) ATO bottles or (30) 16NS1000 (Phillips Petroleum) ATO bottles.

2. Revision Basis: Data coordinated by OCAMA.

---

**Property of the U.S. Air Force Museum**

Wright-Patterson Air Force Base
Ohio 45433