**Characteristics Summary**

**BOMBER . . . . . . . . . . . . . . (RANGE EXT.) B-47E**

"STRAUTOJET"

**BOEING**

<table>
<thead>
<tr>
<th>Wing Area</th>
<th>1428 sq ft</th>
<th>Length</th>
<th>107.1 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Span</td>
<td>116.0 ft</td>
<td>Height</td>
<td>28.0 ft</td>
</tr>
</tbody>
</table>

### AVAILABILITY

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

### PROCUREMENT

**ACTIVE** | **RESERVE** | **TOTAL** |

#### STATUS

1. The B-47E (Range Extension) airplane differs from the Standard B-47E by the strengthening of the landing gear to permit heavier take-off weights.

2. Data is shown for the test article (713th B-47E). The Range Extension modification is effective on the 521st B-47E and subsequent.

3. Estimated completion date for the first B-47E (Range Extension): Jun 54

### POWER PLANT

- **(6)J47-GE-25**
- **General Electric**
- **ENGINE RATINGS**
- **S.L.S.:** LB - RPM - MIN
  - Max (wet): 6970-7950 - 5
  - Max: 5970-7950 - 5
  - Mil: 5970-7950 - 30
  - Nor: 5320-7630 - Cont
- **ATO**
- **No. & Model:** *(33)14DS1000*
- **Thrust (lb):** 33,000
- **Duration (sec):** 14
- **No. & Model:** *(34)15E81000*
- **Thrust (lb):** 33,000
- **Duration (sec):** 15

* Manufactured by Allegheny
* Manufactured by Aerojet

### FEATURES

- **Crew:** 3
- **Thermal Anti-icing**
- **K-4A Bombing-Navigation System**
- **A-5 Fire Control System**
- **Anti-Skid Brakes**
- **Approach Chute**
- **Braking Chute**
- **Ejection Seats**
- **Internal Fuel Tank Purging** (1K-38 or Alternate Vertical Camera)
- **Single-Point and Air Refueling**
- **External Droppable ATO Rack**
- **Max Fuel Cap:** *18,011 gal*
- **Includes wing drop tanks and large ATO tank**

### ARMAMENT

- **Turrets:** 1
- **Guns:** (M24A1) 2 x 20mm
- **Ammunition:** .700 rds (tot)
- **BOMBS:** (Max)
  - **Class (lb):** Load
  - **SHORT BOMB BAY**
    - Interim: *3x2000*
    - (M-123)
    - † 3x2000
    - 3x2000
  - **New**
    - *7x 750
    - 7x 750
  - **Series:** † 4x 750
    - 4x 750
- **LONG BOMB BAY**
  - **Interim:** 8x 2000/18x -1000
  - **New**
    - *1x12000/21x 750
  - **Special**
    - Stores: 1x10,000/ 1x10,000
  - **Hi-Density Kit/†Lo-Density**

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18 DEC 53

CONFIDENTIAL

B-47E

(RANGE EXTENSION)
### Characteristics Summary Basic Mission

**B-47E**

_Government Property_  
Wright-Patterson Air Force Base

<table>
<thead>
<tr>
<th>Performance</th>
<th>Ferry Range</th>
<th>Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Combat Radius</strong></td>
<td>4095 naut. mi</td>
<td><strong>38,600 ft alt., max power</strong></td>
</tr>
<tr>
<td>with 10,000 lb bombs and 720 lb chaff at 433 knots avg. in 8.30 hours</td>
<td>with 16,370 gal fuel at 433 knots avg. in 9.53 hours at 200,000 lb T.O. wt.</td>
<td><strong>469 knots</strong></td>
</tr>
</tbody>
</table>

**Climb**

- 2110 (d) ft/m, sea level, take-off weight normal power
- 31,500 (d) ft, 100 ft/m, take-off weight normal power
- 4740 ft/m, sea level, combat weight, maximum power
- 40,800 ft, 500 ft/m, combat weight, maximum power

**Ceiling**

**Take-off**

- Ground run: 8050 ft no assist, 5650 ft assisted
- Over 50 ft height: 9450 ft no assist, 7100 ft assisted

**Load Weights**

- Bombs: 10,000 lb
- Chaff: 720 lb
- Ammunition: 700 rounds/20 mm
- Fuel: 14,720 gal
  - Protected: 69%
  - Droppable: 9%
  - External: 9%

**Stalling Speed**

- Empty: 78,620 lb
- Combat: 123,080 lb
- Take-off: 200,000 lb (2)
- Limited by strength

**Time to Climb**

- 140 knots
  - Power-off, landing configuration, take-off weight

**Notes**

1. Performance Basis:
   - (a) Flight test data
   - (b) All approved weight reduction items incorporated
   - (c) Structural limit
   - (d) Values quoted are for T.O. weight less ATO, water and alcohol

2. Includes 4610 lb ATO and 5300 lb water and alcohol

3. Revision Basis: Initial Issue