Characteristics Summary

BOMBER ..................... B-50A

"SUPERFORTRESS"

BOEING

Wing area.................. 1720 sq ft
Length..................... 99.0 ft
Span....................... 141.2 ft
Height..................... 32.7 ft
Height (folded)......... 20.6 ft

AVAILABILITY

<table>
<thead>
<tr>
<th>Number available</th>
<th>PROCUREMENT</th>
<th>Number to be delivered in fiscal years</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTIVE</td>
<td>RESERVE</td>
<td>TOTAL</td>
</tr>
</tbody>
</table>

STATUS

1. First flight: Jun 1947
2. First acceptance: Oct 1947
3. Production completed: Jan 1949

POWER PLANT

(4) R-4360-35
Pratt & Whitney

ENGINE RATINGS

<table>
<thead>
<tr>
<th></th>
<th>BHP</th>
<th>RPM</th>
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<td>T.O.</td>
<td>*3500</td>
<td>2700</td>
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<tr>
<td>Mil:</td>
<td>*3500</td>
<td>2700</td>
</tr>
<tr>
<td>Nor:</td>
<td>2650</td>
<td>2550</td>
</tr>
</tbody>
</table>

*Wet

FEATURES

11

Crew:
Cabin Pressurization
Thermal Anti-icing
Bombing-Navigation Radar
Folding Fin and Rudder
Reverse Pitch Props
Formation Sticks
ECM Equipment
Max Fuel Cap: 10,772 gal

ARMAMENT

Turrets:
13x.50 cal

Guns:
Ammunition (tot.): 6380 rds
Max Bomb Load:
Internal: 40x500 lb
External: 2x4000 lb
Max Bomb Size: 4000 lb

24 NOVEMBER 1950

RESTRICTED

B-50A
### Performance

**Combat Radius**
- 2137 naut. mi with 10,000 lb payload at 223 knots avg. in 19.42 hours.

**Combat Range**
- 4089 naut. mi with 10,000 lb payload at 204 knots avg. in 20.17 hours.

**Combat Speed**
- 334 knots at 25,000 ft alt, max power

**Maximum Speed**
- 339 knots at 30,500 ft alt, max power

### Climb

- Sea level, take-off weight, normal power: 685 fps
- Sea level, combat weight, maximum power: 2225 fps

### Ceiling
- 26,550 ft
- 35,800 ft

### Take-off

- Ground run:
  - 4775 ft no assist
  - Over 50 ft height: 6650 ft no assist

### Load Weights

- **Bombs**: 10,000 lb
- **Ammunition**: 6380 rds/.50 cal
- **Fuel**: 10,772 gal
  - Protected: 87%
  - Droppable: 13%
  - External: 13%
- **Empty**: 81,050 lb
- **Combat**: 121,700 lb
- **Take-off**: 168,480 lb
- Limited by space

### Stalling Speed
- 118 knots flaps down, take-off weight

### Time to Climb

### Notes
1. **Performance Basis**:
   - (a) Flight test
   - (b) Fuel density: 6.0 lb/gal
2. **Revision Basis**: To reflect flight test data

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Wright-Patterson Air Force Base
Ohio 45433

**B-50A**

24 November 1950