**Characteristics Summary**

**BOMBER · · · · · · · · · B-50D**

"SUPERFORTRESS"  
BOEING

<table>
<thead>
<tr>
<th>Wing area</th>
<th>Length</th>
<th>Height</th>
<th>(fin folded)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1720 sq ft</td>
<td>99.0 ft</td>
<td>32.7 ft</td>
<td>20.6 ft</td>
</tr>
<tr>
<td>Span</td>
<td>141.2 ft</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**AVAILABILITY**

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

**STATUS**

1. First flight: May 1949  
2. First acceptance: May 1949

**POWER PLANT**

(4) R-4360-35  
Pratt & Whitney

<table>
<thead>
<tr>
<th>ENGINE RATINGS</th>
<th>BHP - RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>T.O.</td>
<td>*3500 - 2700</td>
</tr>
<tr>
<td>Mil:</td>
<td>*3500 - 2700</td>
</tr>
<tr>
<td>Nor:</td>
<td>2600 - 2550</td>
</tr>
</tbody>
</table>

*Wet

**FEATURES**

Crew: 11  
Cabin Pressurization  
Thermal Anti-icing  
Bombing-Navigation Radar  
Folding Fin and Rudder  
Reverse Pitch Props.  
ECM Equipment  
Max Fuel Cap: 11,685 gal

**ARMAMENT**

Turrets: 5  
Guns: 13x.50 cal  
Ammunition: (tot.) 6380 rds  
Max Bomb Load:  
Internal: 40x500 lb  
External: 2x4000 lb  
Max Bomb Size: 4000 lb

24 NOVEMBER 1950
### Characteristics Summary Basic Mission .... B-50D

- **Combat Radius:** 2246 nautical miles
  - With 10,000 lb payload
  - At 225 knots avg.
  - In 20.22 hours

- **Combat Range:** 4258 nautical miles
  - With 10,000 lb payload
  - At 206 knots avg.
  - In 20.80 hours

- **Maximum Speed:**
  - 330 knots at 25,000 ft alt, max power
  - 335 knots at 30,500 ft alt, max power

### Performance

<table>
<thead>
<tr>
<th>Payload Type</th>
<th>Distance (naut. mi)</th>
<th>Speed (knots)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combat</td>
<td>2246</td>
<td>330</td>
<td>Max alt, max power</td>
</tr>
<tr>
<td>Empty</td>
<td>4258</td>
<td>335</td>
<td>Max alt, max power</td>
</tr>
</tbody>
</table>

### Climbing Ceiling

- **Climb Ceiling:**
  - Ground run
    - 623 fpm
    - 24,000 ft
    - 5050 ft at take-off
    - 7050 ft at 50 ft height

<table>
<thead>
<tr>
<th>Load Type</th>
<th>Speed (fpm)</th>
<th>Altitude (ft)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sea level</td>
<td>623</td>
<td>100</td>
<td>Max power</td>
</tr>
<tr>
<td>Combat weight</td>
<td>2165</td>
<td>500</td>
<td>Max power</td>
</tr>
</tbody>
</table>

### Weight Information

<table>
<thead>
<tr>
<th>Load</th>
<th>Empty</th>
<th>Combat</th>
<th>Take-off</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammunition</td>
<td>10,000 lb</td>
<td>123,100 lb</td>
<td>173,000 lb</td>
</tr>
<tr>
<td>Fuel</td>
<td>11,602 gal</td>
<td></td>
<td>limited by strength</td>
</tr>
</tbody>
</table>

### 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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Patterson Air Force Base
Ohio 45433

B-50D

24 November 1950