Characteristics Summary

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

[Diagram of airplane]

Wing area ....................... 1720 sq ft
Length ............................. 99.0 ft
Span .............................. 141.2 ft
Height ............................. 32.7 ft

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

STATUS

1. Original order to modify all B-50B's to RB-50B's has been changed. Sixteen (16) B-50B's will be retained.
2. First acceptance: December 1948
3. Production completed: May 1949

POWER PLANT

(4) R-4360-35 Pratt-Whitney

ENGINE RATINGS

BHP - RPM - ALT
T.O: *3500 - 2700 - S.L.
Mil: *3500 - 2700 - 500
3250 - 2700 - 500
Nor: 2650 - 2550 - 5500

*Wet

FEATURES

Crew: 11
Cabin Pressurization
Thermal Anti-icing
Bombing - Navigation Radar
Folding Fin and Rudder
Reverse Pitch Props
Max Fuel Capacity: 11,564 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

15 FEB. 1950
Characteristics Summary Basic Mission

**Performance**

<table>
<thead>
<tr>
<th>Combat Radius</th>
<th>Combat Range</th>
<th>Combat Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>2219 naut. mi with 10,000 lb payload at 237 knots avg. in 18.98 hours.</td>
<td>4075 naut. mi with 10,000 lb payload at 218 knots avg. in 18.88 hours.</td>
<td>346 knots at 25,000 ft alt., max power</td>
</tr>
</tbody>
</table>

**Maximum Speed**

<table>
<thead>
<tr>
<th>Ground Run</th>
<th>5230 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>No assist</td>
<td>7300 ft</td>
</tr>
</tbody>
</table>

**Climb**

<table>
<thead>
<tr>
<th>Climb</th>
<th>Ceiling</th>
<th>Take-Off</th>
</tr>
</thead>
<tbody>
<tr>
<td>580 fpm sea level, take-off weight normal power</td>
<td>20,300 ft 100 fpm, take-off weight normal power</td>
<td>106 knots flaps down, take-off weight</td>
</tr>
<tr>
<td>1970 fpm sea level, combat weight maximum power</td>
<td>34,100 ft 500 fpm, combat weight maximum power</td>
<td></td>
</tr>
</tbody>
</table>

**Load**

<table>
<thead>
<tr>
<th>Load</th>
<th>Weights</th>
<th>Stallling Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bombs: 10,000 lb Ammunition: 6360 rds/.50 cal</td>
<td>Empty..... 76,980 lb Combat... 119,340 lb Take-off 170,757 lb</td>
<td>106 knots flaps down, take-off weight</td>
</tr>
<tr>
<td>Fuel: 11,564 gal protected 88 % droppable 31 % external 12 %</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes**

1. **Performance Basis:**
   (a) Estimated data
   (b) Fuel density: 6.0 lb/gal
   (c) In computing Radius and Range, specific fuel consumptions have been increased 5% to allow for variation of fuel flow in service aircraft.

2. **Revision Basis:** Re-issue; see STATUS note 1.