Characteristics Summary

**BOMBER · · · · · · · · · · · B-50D**

- Wing area: 1720.0 sq ft
- Length: 99.0 ft
- Span: 141.2 ft
- Height: 32.7 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: May 1949
2. First acceptance: May 1949
3. In production

### POWER PLANT

(4) R-4360-35 Pratt-Whitney

- BHP - RPM - ALT.
- T.O. *3500 - 2700 - S.L.
- Max: *3500 - 2700 - 15000**
- *3290 - 2700 - 33800**
- Nor: 2650 - 2550 - 36700†

*Fluid injection
**Level flight critical alt.
†Climb speed critical alt.

### FEATURES

- Crew: 11
- Cabin Pressurization
- Thermal Anti-icing
- Bombing-Navigation Radar
- Folding Fin and Rudder
- Reverse Pitch Props.
- Formation Sticks
- ECM Equipment
- Max Fuel Capacity: 13,855 gal

### ARMAMENT

- Turrets: 5
- Guns: (13) .50 cal
- Ammunition: 6380 rds
- Max Bomb Load:
  - Internal: (40) 500 lb
  - External: (2) 4000 lb
- Max Bomb Size: 4000 lb

7 OCT 1949
### Characteristics Summary Basic Mission

![Diagram showing combat radius: 2.185 nautical miles at 10,000 feet and 25,000 feet.]

#### Performance

<table>
<thead>
<tr>
<th>Combat Radius</th>
<th>Combat Range</th>
<th>Combat Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,185 naut. mi with 10,000 lb payload at 234 knots avg. in 18.9 hours.</td>
<td>3,975 naut. mi with 10,000 lb payload at 216 knots avg. in 18.8 hours.</td>
<td>345 knots at 25,000 ft alt, max power</td>
</tr>
</tbody>
</table>

#### Maximum Speed

| 353 knots at 33,000 ft alt, max power |

#### Climb

<table>
<thead>
<tr>
<th>Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>550 fpm sea level, take-off weight normal power</td>
</tr>
</tbody>
</table>

#### Ceiling

| 19,500 ft 100 fpm, take-off weight normal power |

#### Take-off

<table>
<thead>
<tr>
<th>5410 ft ground run</th>
</tr>
</thead>
</table>

#### STALLING SPEED

| 107 knots flaps down, take-off weight |

#### Load Weights

| Bomb: 10,000 lb |
| Ammunition: 6380 rds/.50 cal |
| Fuel: 11,512 gal protected 85% droppable 30% external 11% |

#### Notes

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

2. **Major differences from B-50A:** Increased bomb bay and outboard wing fuel capacity, installation of AN/APG-24 radar in lieu of AN/APG-23, change in prop blade design and minor crew relocation.

3. **Revision Basis:** To reflect current security classification.