Characteristics Summary

**BOMBER - B-29**

- Wing area: 1720 sq ft
- Length: 99.0 ft
- Span: 141.2 ft
- Height: 27.8 ft²

### 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: September 1942 (XB-29)
2. First acceptance: September 1943
3. Production completed: June 1946

### Power Plant

- (4) R-3350-57, -57A Wright

<table>
<thead>
<tr>
<th>BHP</th>
<th>RPM</th>
<th>CRIT. ALT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>T.O.: 2200</td>
<td>2800</td>
<td></td>
</tr>
<tr>
<td>Max: *2500</td>
<td>2800</td>
<td>31,400</td>
</tr>
<tr>
<td>Nor: 2000</td>
<td>2400</td>
<td>35,600</td>
</tr>
</tbody>
</table>


### Features

- Crew: 11
- Cabin Pressurization
- Cabin Heating
- Electronic Navigation Equipment
- Bombing Radar
- Max Fuel Capacity: 9548 gal

### Armament

- Turrets: 5
- Guns: (12).50 cal
- Ammunition: 6000 rds
- Max Bomb Load: (40) 500 lb
- Max Bomb Size: 4000 lb

9 MAR 1949
Characteristics Summary Basic Mission 

![Diagram showing flight path and altitude]

**Performance**

<table>
<thead>
<tr>
<th>Combat Radius</th>
<th>Combat Range</th>
<th>Combat Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1820 naut. mi with 10,000 lb payload</td>
<td>3390 naut. mi with 10,000 lb payload</td>
<td>331 knots at 25,000 ft alt, max power</td>
</tr>
<tr>
<td>500 fpm, sea level, take-off weight, normal power</td>
<td>23,800 ft 100 fpm, take-off weight, normal power</td>
<td><strong>Maximum Speed</strong></td>
</tr>
<tr>
<td>1730 fpm, sea level, combat weight, maximum power</td>
<td>35,000 ft 500 fpm, combat weight, maximum power</td>
<td>353 knots at 31,400 ft alt, max power</td>
</tr>
</tbody>
</table>

**Climb**

- 500 fpm, sea level, take-off weight, normal power
- 1730 fpm, sea level, combat weight, maximum power

**Ceiling**

- 23,800 ft
- 35,000 ft

**Take-off**

- Ground run: 4130 ft
- Over 50 ft height: 6100 ft

**Load Weights**

- Bombs: 10,000 lb
- Ammunition: 6000 rds./.50 cal
- Fuel: 7866 gal
  - Protected: 100%
  - Droppable: 11%
  - External: 0%
- Empty: 71,500 lb
- Combat: 100,000 lb
- Take-off: 140,000 lb

**Stalling Speed**

- 103 knots

**Time to Climb**

- Flaps down, take-off weight

**Notes**

1. Performance basis: NACA standard conditions, no wind, single airplane; 
   (a) Fuel consumption, increased 5%, based on flight test data
   (b) Pilot's Handbook dated 13 January 1948

2. Revision basis: Correct power plant data.