# Characteristics Summary

**BOMBER - B-26B**

<table>
<thead>
<tr>
<th>Wing area</th>
<th>541 sq ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>50.8 ft</td>
</tr>
<tr>
<td>Span</td>
<td>70.0 ft</td>
</tr>
<tr>
<td>Height</td>
<td>18.5 ft</td>
</tr>
</tbody>
</table>

## Availability

<table>
<thead>
<tr>
<th>Number available</th>
<th>ACTIVE</th>
<th>RESERVE</th>
<th>TOTAL</th>
</tr>
</thead>
</table>

## Procurement

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

## Status

1. Design initiated: January 1941
2. First flight: July 1942 (XA-26)
3. First production: September 1942
4. First service use: 1943
5. Production completed: August 1945
6. Navy designation: JD-1

## Power Plant

(2) R-2800-79
- Pratt-Whitney
- **ENGINE RATINGS**
  - BHP - RPM - ALT
  - T.O.: 2000 - 2700
  - Mil: 2000 - 2700 - 1500
  - 1600 - 2700 - 13,500
  - Nor: 1600 - 2400 - 5700
  - 1450 - 2400 - 13,000

## Features

- Crew:
- Cabin Heating and Cooling
- Periscope Sighting for Turret
- Propeller Anti-icing
- All-Purpose Nose
- Loran
- Max Fuel Cap: 2035 gal

## Armament

- Turrets: 16x.50 cal
- Ammunition (tot.): 5600 rds
- Max Bomb Load:
  - Internal: 4x1000 lb
  - External: 4x500 lb
- Max Bomb Size: 1000 lb
- Rockets: 14x5" HVAR

*See Note 2*

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*17 May 1950*
**Performance Summary Basic Mission**

**B-26B**

**Combat Radius:** 860 Nautical Miles

**Performance**

<table>
<thead>
<tr>
<th><strong>Combat Radius</strong></th>
<th><strong>Combat Range</strong></th>
<th><strong>Combat Speed</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>860 naut. mi</td>
<td>1668 naut. mi</td>
<td>313 knots at S.L. ft alt, max power</td>
</tr>
<tr>
<td>with 4000 lb payload</td>
<td>with 4000 lb payload</td>
<td>322 knots at 10,000 ft alt, max power</td>
</tr>
<tr>
<td>at 200 knots avg.</td>
<td>at 202 knots avg.</td>
<td></td>
</tr>
<tr>
<td>in 8.9 hours.</td>
<td>in 8.4 hours.</td>
<td></td>
</tr>
</tbody>
</table>

**Maximum Speed**

<table>
<thead>
<tr>
<th>Ground Run</th>
<th>No Assist</th>
<th>Assisted</th>
</tr>
</thead>
<tbody>
<tr>
<td>3900 ft</td>
<td>— ft</td>
<td>— ft</td>
</tr>
</tbody>
</table>

**Climb**

<table>
<thead>
<tr>
<th><strong>All Rpm</strong></th>
<th><strong>Ceiling</strong></th>
<th><strong>Take-Off</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1060 fpm</td>
<td>19,200 ft</td>
<td>3900 ft</td>
</tr>
<tr>
<td>sea level, take-off weight, normal power</td>
<td>100 fpm, take-off weight normal power</td>
<td></td>
</tr>
<tr>
<td>2550 fpm</td>
<td>22,050 ft</td>
<td>4820 ft</td>
</tr>
<tr>
<td>sea level, combat weight, maximum power</td>
<td>500 fpm, combat weight maximum power</td>
<td></td>
</tr>
</tbody>
</table>

**Load Weights**

- **Bomb:** 4000 lb
- **Ammunition:** 5600 rds./.50 cal
- **Fuel:** 1360 gal
  - protected 77%
  - droppable 23%
  - external 23%
- **Empty:** 22,362 lb
- **Combat:** 31,401 lb
- **Take-off:** 40,015 lb
  - limited by space

**Stalling Speed**

98 knots

**Time to Climb**

- Flaps down, take-off weight

**Notes**

1. **Performance Basis:**
   - (a) Flight test
   - (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.
   - (d) Performance shown above for max power is based on war emergency power (wet) of 2370 BHP @ 2700 RPM @ S.L.

2. The B-26B covered in this analysis is the "LEFT" project in which the lower turret is deleted and an eight-gun nose substitued for a six-gun nose.

3. **Revision Basis:** To show engine ratings and changes in "Status", "Features" and "Notes" blocks.