**Characteristics Summary**

**BOMBER - B-25J**

- **Wing area**: 610 sq ft
- **Length**: 53.5 ft
- **Span**: 67.6 ft
- **Height**: 16.3 ft

**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. Design initiated: (B-25) February 1938
2. First acceptance: December 1943
3. Production completed: August 1945
4. Navy designation: PBJ-1J

**Power Plant**

- (2) R-2600-13 or -29 Wright
- **Engine Ratings**
  - **BHP - RPM - ALT**
  - T.O.: 1700 - 2800*
  - Mil: 1700 - 2600 - 4500
  - 1450 - 2600 - 12,000
  - Nor: 1500 - 2400 - 6700
  - 1350 - 2400 - 13,000
  - *2800 RPM for -29 engine

**Features**

- **Crew**: 6
- Cabin Heating and Cooling
- Propeller Anti-icing
- Max Fuel Cap: 1624 gal

**Armament**

- **Turrets**: 2
- **Guns**: (12) .50 cal
- **Ammunition**: 4600 rds
- **Max Bomb Load**: *(8)*500 lb
- **Max Bomb Size**: 2000 lb

* *Semi-Armor Piercing*

**17 MAY 1950**

UNCLASSIFIED
### Characteristics Summary Basic Mission B-25J

**COMBAT RADIUS** 685 Nautical Miles

**PERFORMANCE**

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>COMBAT RANGE</th>
<th>COMBAT SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>685 naut. mi</td>
<td>1316 naut. mi</td>
<td>245 knots at 10,000 ft alt, max power</td>
</tr>
<tr>
<td>with 4000 lb payload</td>
<td>with 4000 lb payload</td>
<td></td>
</tr>
<tr>
<td>at 177 knots avg.</td>
<td>at 181 knots avg.</td>
<td></td>
</tr>
<tr>
<td>in 7.98 hours.</td>
<td>in 7.54 hours.</td>
<td></td>
</tr>
</tbody>
</table>

**MAXIMUM SPEED**

255 knots at 15,000 ft alt, nor power

**CLIMB**

<table>
<thead>
<tr>
<th>CEILING</th>
<th>TAKE-OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>980 fpm sea level, take-off weight normal power</td>
<td>22,500 ft 100 fpm, take-off weight normal power</td>
</tr>
<tr>
<td>1890 fpm sea level, combat weight maximum power</td>
<td>24,200 ft 500 fpm, combat weight maximum power</td>
</tr>
</tbody>
</table>

**LOAD**

- Bombs: 4000 lb
- Ammunition: 4600 rds/.50 cal
- Fuel: 1137 gal
  - protected 100 %
  - droppable 0 %
  - external 0 %
- Empty..... 19,530 lb
- Combat... 27,400 lb
- Take-off 35,000 lb
- limited by performance

**WEIGHTS**

- 2940 ft no assist
- 4200 ft assisted
- 2000 ft assisted

**STALLING SPEED**

97 knots flaps down, take-off weight

**TIME TO CLIMB**


### 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) Maximum speed is obtained at 15,000 feet using normal power.

2. **REVISION BASIS:** To show engine ratings and changes in "Status", "Features" and "Notes" blocks.