Characteristics Summary

BOMBER ............... B-17G

Wing area .................. 1420 sq ft
Length .......................... 74.8 ft
Span .............................. 103.8 ft
Height ......................... 19.1 ft

AVAILABILITY
Number available

ACTIVE RESERVE TOTAL

PROCUREMENT
Number to be delivered in fiscal years

STATUS

1. Differs from the B-17F by the addition of a nose chin turret.
2. Design initiated: August 1934 (Model 299)
3. First flight: January 1936 (Y1B -17)
4. First service use: 1943
5. Production completed: July 1945
6. Navy designation: PB-1W

POWER PLANT

(4) R-1820-97 Wright

ENGINE RATINGS
BHP - RPM - ALT
T.O: 1200 - 2500 -
MIL: 1200 - 2500 -
Nor: 1000 - 2300 -

FEATURES

Crew: 10
Cabin Heating and Cooling
Propeller Anti-icing
Max Fuel Cap: 3600 gal

ARMAMENT

Turrets: 4
Guns: 12 x .50 cal
Ammunition (tot): 5970 rds
Max Bomb Load: 8 x 1600 lb
Max Bomb Size: 2000 lb

UNCLASSIFIED

17 MAY 1950
## Performance

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>COMBAT RANGE</th>
<th>COMBAT SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>873 naut. mi</td>
<td>1529 naut. mi</td>
<td>278 knots at 25,000 ft alt, max power</td>
</tr>
<tr>
<td>with 10,000 lb payload</td>
<td>with 10,000 lb payload</td>
<td>at 156 knots avg.</td>
</tr>
<tr>
<td>at 171 knots avg.</td>
<td>at 156 knots avg.</td>
<td>in 9.97 hours.</td>
</tr>
<tr>
<td>in 10.45 hours.</td>
<td>in 9.97 hours.</td>
<td></td>
</tr>
</tbody>
</table>

### Climb Ceiling Take-off

<table>
<thead>
<tr>
<th>Climb</th>
<th>Ceiling</th>
<th>Take-off</th>
</tr>
</thead>
<tbody>
<tr>
<td>630 fpm sea level, take-off weight normal power</td>
<td>28250 ft 100 fpm, take-off weight normal power</td>
<td>282 knots at 26,700 ft alt, max power</td>
</tr>
<tr>
<td>1870 fpm sea level, combat weight maximum power</td>
<td>33,500 ft 500 fpm, combat weight maximum power</td>
<td>282 knots at 26,700 ft alt, max power</td>
</tr>
</tbody>
</table>

### Load Weights Stallion Speed

<table>
<thead>
<tr>
<th>Bombs:</th>
<th>Ammunition:</th>
<th>Fuel:</th>
</tr>
</thead>
<tbody>
<tr>
<td>10,000 lb</td>
<td>5970 rds/.50 cal</td>
<td>2570 gal</td>
</tr>
<tr>
<td>Empty...</td>
<td>35,972 lb</td>
<td>protected 100 %</td>
</tr>
<tr>
<td>Combat...</td>
<td>48,682 lb</td>
<td>droppable 0 %</td>
</tr>
<tr>
<td>Take-off</td>
<td>67,660 lb</td>
<td>external 0 %</td>
</tr>
<tr>
<td>limited by structure</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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 of 1380 BHP @ 2500 RPM @ 26,700 ft.

2. **Revision Basis:** To show engine ratings and changes in “Status”, “Features” and “Notes” blocks.