Characteristics Summary

BOMBER · · · · · · · · · B-36B

CONSOLIDATED - VULTEE

Wing area ........................................ 4772 sq ft
Length ........................................... 162.1 ft
Span .................................................. 230.0 ft
Height ............................................. 46.8 ft

AVAILABILITY

<table>
<thead>
<tr>
<th>Number available</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTIVE</td>
</tr>
</tbody>
</table>

PROCUREMENT

| Number to be delivered in fiscal years |

STATUS

1. First flight: 8 Jul 48
2. First service use: Nov 48
3. Production completed: Sep 50

POWER PLANT

(6) R-4360-41
Pratt & Whitney
ENGINE RATINGS
BHP-RPM-ALT-MIN
T.O.: *3500-2700-S.L.-5
3250-2700-S.L.-5
Mil: *3500-2700-Turbo-30
3250-2700-Turbo-30
Nor: 2650-2550-Turbo-Cont.

*Wet

FEATURES

Crew: 15
Cabin Pressurization
Thermal Anti-icing
Bomb-Navig.Radar,AN/ANQ-24
Gun-Laying Radar, AN/APG-3
Loran
Fuel Tank Purging
Max Fuel Cap: 33,010 gal

ARMAMENT

Turrets: 8
Guns: 16x20mm
Ammunition(tot): 9200 rds
Max Bomb Load: 2x43,000 lb
Max Bomb Size: 43,000 lb

20 OCTOBER 1950

RESTRICTED
### Characteristics Summary Basic Mission - B-36B

**Combat Radius**
- 3740 naut. mi
- with 10,000 lb payload
- at 177.5 knots avg.
- in 42.43 hours.

**Combat Range**
- 7098 naut. mi
- with 10,000 lb payload
- at 176 knots avg.
- in 40.55 hours.

**Combat Speed**
- 308 knots at 25,000 ft alt., max power

**Maximum Speed**
- 331 knots at 34,500 ft alt., max power

### Performance

<table>
<thead>
<tr>
<th>Climb</th>
<th>Ceiling</th>
<th>Take-Off</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 fpsm, take-off weight normal power</td>
<td>28,500 ft, take-off weight normal power</td>
<td>Ground run</td>
</tr>
<tr>
<td>1510 fpsm, combat weight maximum power</td>
<td>38,800 ft, combat weight maximum power</td>
<td>Over 50 ft height</td>
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</tbody>
</table>

### Load

- **Bombs:** 10,000 lb
- **Ammunition:** 9200 rds/20mm
- **Fuel:** 26,217 gal
  - protected: 68%
  - droppable: 20%
  - external: 0%
- **Empty...** 140,640 lb
- **Combat...** 227,700 lb
- **Take-off...** 328,000 lb

### Weights

**Stalling Speed:** 100.4 knots

**Time to Climb:**

### Notes

1. **Performance Basis:**
   - (a) Phase IV flight tests of No. 23, B-36B airplane.
   - (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.

2. **Revision Basis:** To reflect performance data obtained from phase IV flight tests.