Characteristics Summary

BOMBER ................ B-36J (III)

Wing Area ............... 4772 sq ft  Length ............... 162.1 ft
Span .................... 230.0 ft  Height ............... 48.8 ft

<table>
<thead>
<tr>
<th>AVAILABILITY</th>
<th>PROCUREMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number available</td>
<td>Number to be delivered in fiscal years</td>
</tr>
<tr>
<td>ACTIVE</td>
<td>RESERVE</td>
</tr>
</tbody>
</table>

STATUS

1. Major differences of the B-36J(III) from the standard configuration are removal of all turrets except tail turret, self-sealing pads, fuel purging system and crew comfort items; the replacement of blisters by small flush windows.
2. Contract approved for modification of B-36J to B-36J(III): Feb 54
3. First Delivery: Feb 54
4. Modification Completion Date: Jun 54

Navy Equivalent: None

Mfr's Model: 36

POWER PLANT

(6) R-4350-53
Pratt & Whitney

ENGINE RATINGS
BHP-RPM-ALT -MIN
T.O. *3800-2800 - SL -5
Mil *5800-2800 - Turbo-30
2500-2800 - Turbo-30
Nor: 2200-2000 - Turbo-Cont

*Wet

plus

(4) J47-GE-19
General Electric

S.L.S. LB - RPM - MIN
Max: 5200 - 7950 - 5
Mil: 5200 - 7950 - 30
Nor: 4730 - 7630 - Cont

FEATURES

Crew ....................... 13
Cabin Pressurization
Thermal Anti-Icing
Bombing-Navigation Radar
K-3A System
Gun-Laying Radar AN/APG-41A
Chaff Dispenser
Loran
Single-Point Fueling
Defensive ECM

Max Fuel Capt: *36,396 gal
*Includes 2x1385 gal Wing Panel Fuel Tanks.

Note: Additional (2996 gal) bomb bay fuel tank necessary for missions other than Max Bomb Mission.

ARMAMENT

Turrets ................... 1
Guns . 2x20mm(M24-A1)
Ammunition (tot) . 1200 rds
BOMBS(max):
Class(lb) Load

WW II:
(Box Flm) 12x4000/72x1000
INTERIM:
(Conical Flm) 22x2000/129x500
NEW SERIES:
48x750/4x12,000
**Characteristics Summary Basic Mission**

**B-36J(III)**

![Graph of altitude and range](image)

**Performance**

<table>
<thead>
<tr>
<th>Climb</th>
<th>Ceiling</th>
<th>Take-off</th>
</tr>
</thead>
<tbody>
<tr>
<td>3590 naut. mi</td>
<td>8470 naut. mi</td>
<td>363 knots at 39,400 ft alt, max power</td>
</tr>
<tr>
<td>with 11,408 lb payload</td>
<td>with 39,195 gal fuel</td>
<td>364 knots at 39,000 ft alt, max power</td>
</tr>
<tr>
<td>at 197 knots avg.</td>
<td>at 191 knots avg.</td>
<td>346/363 knots at 35,000 ft alt, max power</td>
</tr>
<tr>
<td>in 35.9 hours.</td>
<td>in 44.4 hours</td>
<td>BASIC 25,000/35,000</td>
</tr>
</tbody>
</table>

**Load Weights**

<table>
<thead>
<tr>
<th>Load</th>
<th>Weights</th>
<th>Stalling Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bombs</td>
<td>10,000 lb</td>
<td>112 knots power-off, landing configuration, take-off weight</td>
</tr>
<tr>
<td>Chaff</td>
<td>1400 lb</td>
<td></td>
</tr>
<tr>
<td>Ammunition</td>
<td>1200 rds/20 mm</td>
<td></td>
</tr>
<tr>
<td>Fuel</td>
<td>37,297 gal</td>
<td></td>
</tr>
<tr>
<td></td>
<td>protected 0%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>droppable 0%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>external 0%</td>
<td></td>
</tr>
<tr>
<td>Empty</td>
<td>162,621 lb</td>
<td></td>
</tr>
<tr>
<td>Combat</td>
<td>259,700 lb</td>
<td></td>
</tr>
<tr>
<td>Take-off</td>
<td>410,000 lb</td>
<td></td>
</tr>
<tr>
<td>limited by structure</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Time to Climb**

<table>
<thead>
<tr>
<th>Ground Run</th>
<th>Over 50 ft Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>5290 ft no assist</td>
<td>6820 ft no assist</td>
</tr>
<tr>
<td>assisted</td>
<td>assisted</td>
</tr>
</tbody>
</table>

**Notes**

1. Performance Basis:
   (a) Flight Test

2. Revision Basis: To reflect performance of featherweight configuration.

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B-36J(III)