Characteristics Summary

BOMBER ............... B-36J

CONSOLIDATED

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

AVAILABILITY

Number available

PROCUREMENT

Number to be delivered in fiscal years

ACTIVE  RESERVE  TOTAL

STATUS

1. Thirty three (33) B-36H aircraft being modified by the addition of outboard wing fuel tanks and strengthened landing gear. Redesignated B-36J.

2. First Delivery: Sep 53 (est)

Navy Equivalent: None  Mfr Model: No. 36

POWER PLANT

(6) R-4360 -53
Pratt & Whitney
ENGINE RATINGS

BHP-RPM- ALT - MIN
T.O. *3800-2800-S.L. - 5
Mil: *3800-2800-Turbo-30
3500-2800-Turbo-30
Nor: 2800-2600-Turbo-Cont

*Jet

(4) J47-GE-19
General Electric
S.LS LB-RPM - MIN
Max: 5200-7950 - 5
Mil: 5200-7950 - 30
Nor: 4730-7630 - Cont

FEATURES

Crew: .................... 16
Cabin Pressurization
Thermal Anti-icing
Bombing-Navigational Radar
Chaff Dispenser
Loran
Defensive ECM
Fuel Tank Purging
Removable Jet Pods

Max Fuel Capacity: 39,383gal

ARMAMENT

Turrets ..................... 8
Guns ..................... 16 x 20mm
Ammunition (tot). .. 9200 rds
Max Bomb load: 2x43,000 lb
Max Bomb Size: 43,000 lb

9 JANUARY 1953

B-36J

13 March 1953
# Characteristics Summary Basic Mission

**B-36J**

## Performance

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>FERRY RANGE</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>3400 naut. mi</td>
<td>8285 naut. mi</td>
<td>COMBAT 360 knots at 40,330 ft alt, max power</td>
</tr>
<tr>
<td>with 10,000 lb payload</td>
<td>with 36,922 gal fuel</td>
<td>MAX 372 knots at 34,500 ft alt, max power</td>
</tr>
<tr>
<td>at 190 knots avg.</td>
<td>at 177 knots avg.</td>
<td>BASIC 371 knots at 35,000 ft alt, max power</td>
</tr>
<tr>
<td>in 35.63 hours.</td>
<td>in 46.85 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>860 fpm sea level, take-off weight</td>
<td>31,500 ft 100 fpm, take-off weight</td>
<td>ground run 5660 ft no assist assisted</td>
</tr>
<tr>
<td>2220 fpm sea level, combat weight</td>
<td>40,950 ft 500 fpm, combat weight</td>
<td>over 50 ft height 7020 ft no assist assisted</td>
</tr>
<tr>
<td>maximum power</td>
<td>maximum power</td>
<td></td>
</tr>
</tbody>
</table>

## Load Weights Stallng Speed

<table>
<thead>
<tr>
<th>Load</th>
<th>Weights</th>
<th>Stalling Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bombs: 10,000 lb Ammunition: 9200 rds/20mm</td>
<td>Empty..... 169,751 lb Combat... 266,000 lb Take-off 410,000 lb</td>
<td>112 knots power-off, landing configuration, take-off weight</td>
</tr>
<tr>
<td>Fuel: 35,325 gal protected 38.0% droppable 0% external 0%</td>
<td>Take-off 410,000 lb limited by structure</td>
<td>TIME TO CLimb</td>
</tr>
</tbody>
</table>

## Notes

1. Performance Basis:
   (a) Contractor's estimated data (Not substantiated by WADC)
2. Initial Issue

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Wright-Patterson Air Force Base
Ohio 45433

B-36J  SECRET  9 JANUARY 1953