

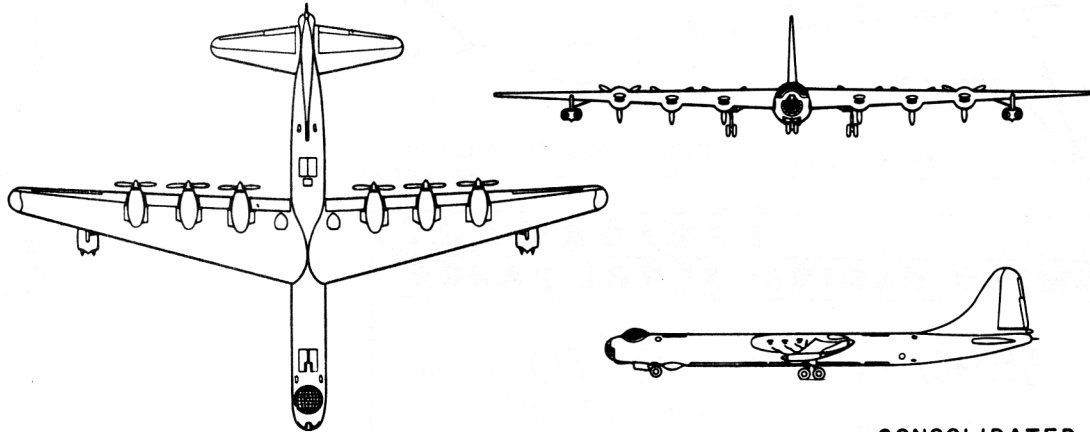
*Unclassified*  
~~Confidential~~  
~~SECRET~~

A-1  
B-36J/KAAN  
SERVICE

*Revised to reflect latest performance due to weight change. 3 Oct 55*

# Characteristics Summary

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



CONSOLIDATED

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

| AVAILABILITY     |         |       | PROCUREMENT                            |  |  |  |
|------------------|---------|-------|--|--|--|--|
| Number available |         |       | Number to be delivered in fiscal years |  |  |  |
| ACTIVE           | RESERVE | TOTAL |  |  |  |  |
|                  |         |       |  |  |  |  |

## 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-4360-53  
Pratt & Whitney

**ENGINE RATINGS**

|                             |                      |
|-----------------------------|----------------------|
| BHP-RPM-ALT                 | -MIN                 |
| T.O: *3800-2800 - SL        | -5                   |
| Mil: *3800-2800 - Turbo-30  | 3500-2800 - Turbo-30 |
| Nor: 2800-2600 - 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 Cap:.. \*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

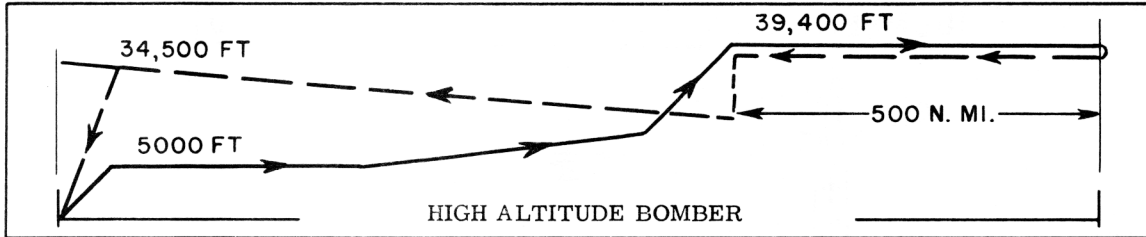
**BOMBS(max):**

|                           |      |
|---------------------------|------|
| Class(lb)                 | Load |
| WW II:                    |      |
| (Box Fin) 12x4000/72x1000 |      |
| <b>INTERIM:</b>           |      |
| (Conical Fin)             |      |
| 22x2000/129x500           |      |
| <b>NEW SERIES:</b>        |      |
| 48x750/4x12,000           |      |

Classification cancelled Confidential or changed to ~~Confidential~~  
 AUTH: AFSC AF 60 Sec Class Guided by  
 By A. R. S on 10/1/64 D.O.D. Dir 5200.10  
 Signature and Grade 23 Feb 1967 8 March 1967

45 Ed addn #2

*Characteristics Summary Basic Mission . . . . B-36J(III)*



**PERFORMANCE**

| <b>COMBAT RADIUS</b>   | <b>FERRY RANGE</b>   | <b>S P E E D</b>   |
|--|--|--|
| 3590 naut. mi<br>with 11,408 lb payload<br>at 197 knots avg.<br>in 35.9 hours.   | 8470 naut. mi<br>with 39,195 gal fuel<br>at 191 knots avg.<br>in 44.4 hours<br>at 410,000 lb T.O. wt.      | COMBAT 363 knots at<br>39,400 ft alt, max power<br>MAX 364 knots at<br>38,000 ft alt, max power<br>346/363 knots at<br>BASIC 25,000/<br>35,000 ft alt, max power |
| <b>C L I M B</b>   | <b>C E I L I N G</b>   | <b>T A K E - O F F</b>   |
| 780 fpm<br>sea level, take-off weight<br>normal power  | 28,500 ft<br>100 fpm, take-off weight<br>normal power  | ground run<br>5290 ft   _____ ft<br>no assist   assisted   |
| 2020 fpm<br>sea level, combat weight<br>maximum power  | 40,200 ft<br>500 fpm, combat weight<br>maximum power   | over 50 ft height<br>6820 ft   _____ ft<br>no assist   assisted  |
| <b>L O A D</b>   | <b>W E I G H T S</b>   | <b>S T A L L I N G S P E E D</b>   |
| Bombs . . . . . 10,000 lb<br>Chaff . . . . . 1408 lb<br>Ammunition . . . . .<br>1200 rds/20 mm<br>Fuel: 37,297 gal<br>protected 0 %<br>droppable 0 %<br>external 0 % | Empty . . . . . 162,621 lb<br>Combat . . . . . 259,700 lb<br>Take - off 410,000 lb<br>limited by structure | 112 knots<br>power-off, landing config-<br>uration, take-off weight<br><b>T I M E T O C L I M B</b><br>_____   |

**N O T E S**

1. Performance Basis:  
(a) Flight Test
2. Revision Basis: To reflect performance of featherweight configuration.

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