

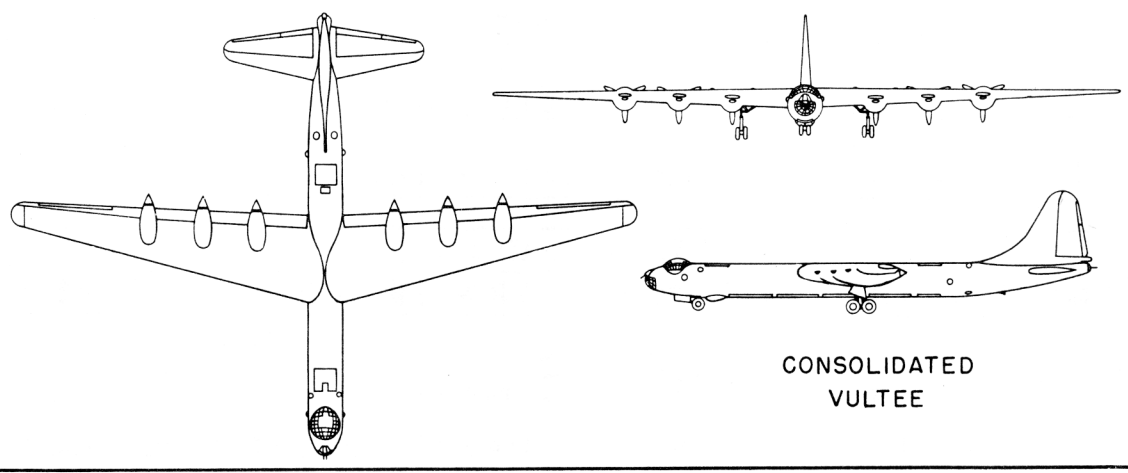
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B-36B/char

~~R E S T R I C T E D~~

SERVICE

# Characteristics Summary

BOMBER ..... B-36B



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

### PRODUCTION

1. First flight: 8 July 1948
2. In production

POWER PLANT
(6) R-4360-41 Pratt-Whitney
BHP - RPM - ALT.*
T.O: **3500 - 2700 - S.L.
3250 - 2700 - 34,000
Max: †3250 - 2400 - 34,000
Nor: 2650 - 2550 - 38,700
*Turbo critical
**Fluid injection
†War emergency (mil. power)
2400 rpm, high BMEP)

FEATURES
Crew: 16
Bombing-Navigation Radar
Gun-Laying Radar & Loran
Max. Design Fuel
Cap.: 27,010 gal (Wing tank-
age plus 2x3000 gal bomb
bay tanks)
Can be field-modified to carry
2 additional bomb bay tanks
permitting 33,010 gal max.
fuel cap.

ARMAMENT
Turrets: 8
Guns: (16) 20mm
Ammunition: 9200 rds
Max Bomb Load: (2) 43,000 lb
Max Bomb Size: 43,000 lb

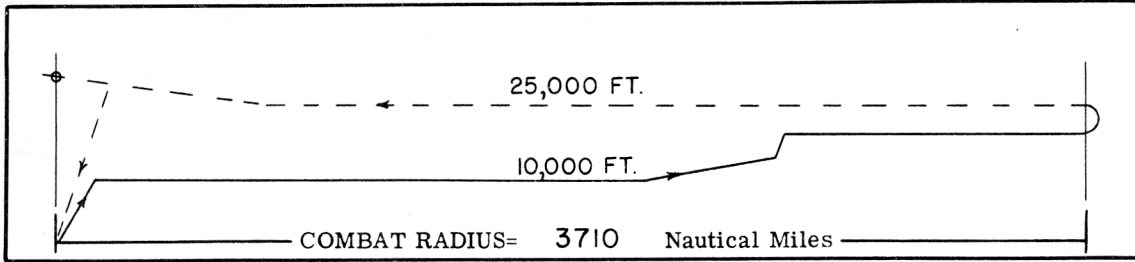
*Revised to reflect performance data obtained from Phase II flight tests.*

15 AUGUST 1949

~~R E S T R I C T E D~~

B-36B

*Characteristics Summary Basic Mission . . . . . B-36B*



<b>P E R F O R M A N C E</b>		
<b>COMBAT RADIUS</b>	<b>COMBAT RANGE</b>	<b>COMBAT SPEED</b>
3710 naut. mi with 10,000 lb payload at 193 knots avg. in 38.45 hours.	6946 naut. mi with 10,000 lb payload at 185 knots avg. in 37.55 hours.	314 knots at 25,000 ft alt, max power <b>MAXIMUM SPEED</b> 327 knots at 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>
500 fpm sea level, take-off weight normal power	24,100 ft 100 fpm, take-off weight normal power	ground run 5900 ft no assist   — ft assisted
1530 fpm sea level, combat weight maximum power	37,500 ft 500 fpm, combat weight maximum power	over 50 ft height 8000 ft no assist   — ft 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 Ammunition: 9200 rds/20mm  Fuel: 25,880 gal protected 67 % droppable 18 % external 0 %	Empty..... 137,165 lb Combat... 221,400 lb Take - off 326,000 lb  limited by performance	100 knots flaps down, take-off weight <b>TIME TO CLIMB</b> —————

**N O T E S**

1. PERFORMANCE BASIS:  
 (a) Estimated data based on preliminary flight test.  
 (b) 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 clarify fuel capacity data shown under "Features".