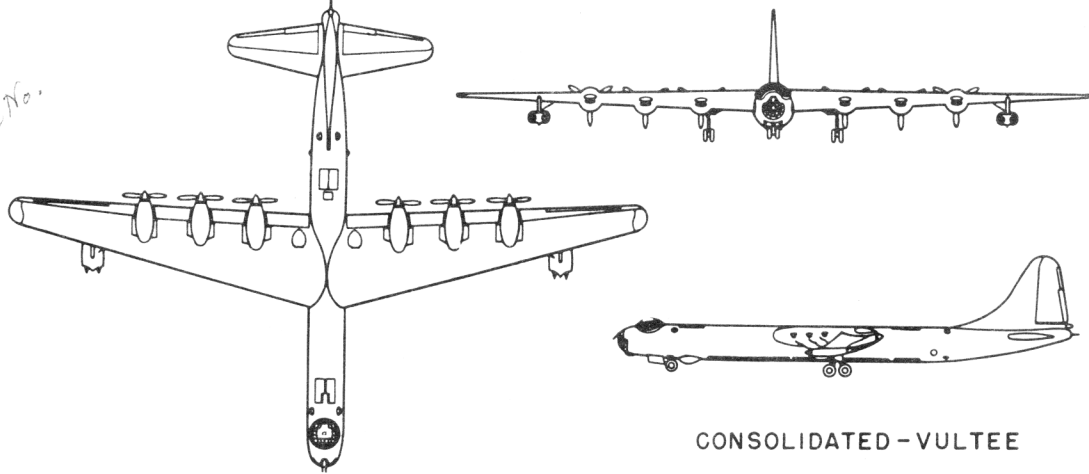


AI RB-36D

# Characteristics Summary

RECONNAISSANCE . . . . . RB-36D



*Revised to comply with Spec No. MK-C-5011 revision dated 15 Dec 50 26 Jan 51*

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

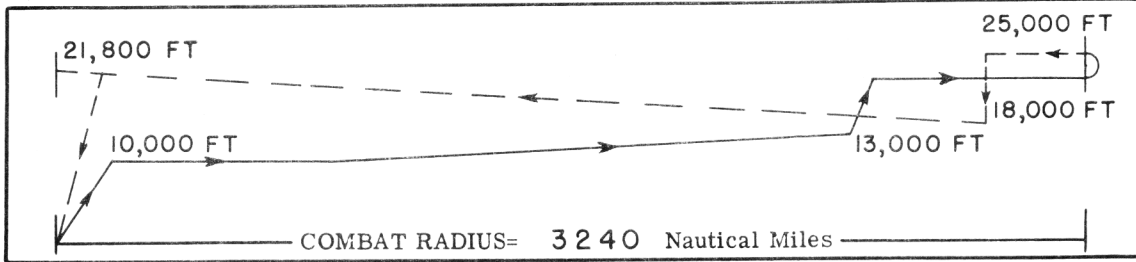
AVAILABILITY			PROCUREMENT			
Number available			Number to be delivered in fiscal years			
ACTIVE	RESERVE	TOTAL				

## STATUS

1. Some B-36B's are currently being modified and redesignated RB-36D's.
2. Engineering Acceptance Inspection: Nov 49
3. First Flight (No. 85 production article): 14 Dec 49
4. First Service Use: Jun 50

POWER PLANT	FEATURES	ARMAMENT
(6) R-4360-41 Pratt & Whitney ENGINE RATINGS BHP - RPM - ALT T.O:   *3500 - 2700 - S.L. 3250 - 2700 - S.L. Mil:   *3500 - 2700 - 500 3250 - 2700 - 500 Nor:   2650 - 2550 - 5500 *Wet        plus (4) J47-GE-19 General Elec. S.L.Static:    LB - RPM Max:           5200 - 7950 Mil:           5200 - 7950 Nor:           4730 - 7950	Crew: 18 Cameras: 14 Cabin Pressurization Thermal Anti-icing Bomb.-Nav. Radar AN/APQ-24 Gun-Laying Radar AN/APG-3 or -32 Defensive & Offensive ECM Fuel Tank Purging Max Fuel Cap: 34,210 gal	Turrets: 8 Guns: 16x20mm Ammunition(tot.) 9200 rds Max Flash Bombs: 80xT-9E8 or T-86

*Characteristics Summary Basic Mission . . . RB-36D*



<b>PERFORMANCE</b>		
<b>COMBAT RADIUS</b>	<b>COMBAT RANGE</b>	<b>COMBAT SPEED</b>
3240 <sup>(c)</sup> naut. mi 2256* with 3309** lb payload at 180 knots avg. in 36.25 hours.	6450 <sup>(c)</sup> naut. mi 2256* with 3309** lb payload at 177 knots avg. in 36.57 hours.	344 <sup>(d)</sup> knots at 25,000 ft alt, max power
		<b>MAXIMUM SPEED</b>
		370 <sup>(d)</sup> knots at 34,500 ft alt, max power
<b>CLIMB</b>	<b>CEILING</b>	<b>TAKE-OFF</b>
1055 <sup>(d)</sup> fpm sea level, take-off weight normal power	36,600 <sup>(d)</sup> ft 100 fpm, take-off weight normal power	ground run 4520 <sup>(d)</sup> ft   — ft no assist   assisted
2305 <sup>(d)</sup> fpm sea level, combat weight maximum power	41,350 <sup>(d)</sup> ft 500 fpm, combat weight maximum power	over 50 ft height 5630 <sup>(d)</sup> ft   — ft no assist   assisted
<b>LOAD</b>	<b>WEIGHTS</b>	<b>STALLING SPEED</b>
Flash Bombs: 2256 lb Cameras: 3309 lb Ammunition: 9200 rds/20mm	Empty..... 163,907 lb Combat... 255,444 lb Take - off 357,500 lb  limited by strength	105 knots flaps down, take-off weight
Fuel: 28,456 gal protected 45 % droppable 0 % external 0 %		<b>TIME TO CLIMB</b>  —————

**N O T E S**

1. PERFORMANCE BASIS:  
 (a) Phase IV flight test of No. 23, B-36B and preliminary flight tests of No. 54, B-36B jet pod prototype  
 (b) Fuel density: 6.0 lb/gal  
 (c) For Combat Radius and Range, J47 engines are used for take-off, all climbs, bomb run and escape from target area but are inoperative for all normal cruising.  
 (d) J47 engines operative.

2. Performance data for the RB-36D with jet pods removed are shown in MCRE Report No. 2.

3. REVISION BASIS: Re-issue  
 \*Flash bombs dropped at target  
 \*\*Cameras

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