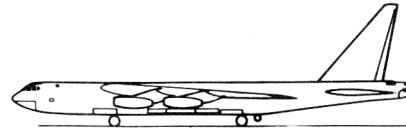
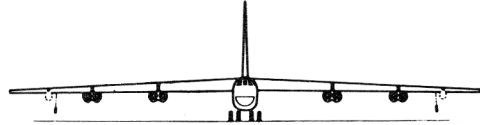
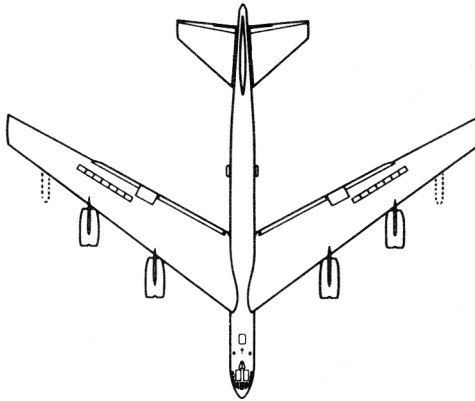


A-1  
RB-52B/air

# Characteristics Summary

RECONNAISSANCE ..... RB-52B



"STRATOFORTRESS"

BOEING

Wing Area ..... 4000 sq ft      Length ..... 156.5 ft  
Span ..... 185.0 ft      Height ..... 48.3 ft

## AVAILABILITY

## PROCUREMENT

Number available

Number to be delivered in fiscal years

ACTIVE	RESERVE	TOTAL				

## STATUS

- Design Initiated: Apr 52
- First Flight: Dec 54 (est)
- First Acceptance: Dec 54 (est)
- The RB-52B (Reconnaissance Version) becomes an RB-52B (Bomber Version) when the capsule containing photographic, weather and electronic equipment is removed from the bomb bay.

Navy Equivalent: None

Mfr's Model: 464-201-1

## POWER PLANT

(8) J57-P-1W

Pratt & Whitney

### ENGINE RATINGS

S.L.S.	LB	**RPM	MIN
Max:	*11,100	6300	/9950-5
Mil:	9500	-5950	/9950-30
Nor:	8250	-5700	/9720 Cont

\*Wet

\*\*First figure represents low pressure spool, second figure represents high pressure spool.

ATO

No. & Model (4) 45KS5000  
Mfr ..... Aerojet  
Thrust ..... 4 x 5000  
Duration (sec).....45

## FEATURES

Crew:..... 8

Cabin Pressurization  
Heating & Cooling  
Deceleration Chute  
Quadricycle Landing Gear  
Interchangeable  
Reconnaissance Capsule  
Vertical Camera Station  
Steerable Landing Gear  
K-3A Bombing - Nav. System  
A-3A Fire Control System  
Thermal Anti-icing

Max Fuel Capacity: 37,385 gal

## ARMAMENT

Turret ..... 1

Guns ..... 4 x .50 cal (M-3)

Ammunition (tot)....2400 rds

Max Flash Bombs:  
24 x M 120

*Revised to reflect change in security classification 9 Oct 53 (Revised)*

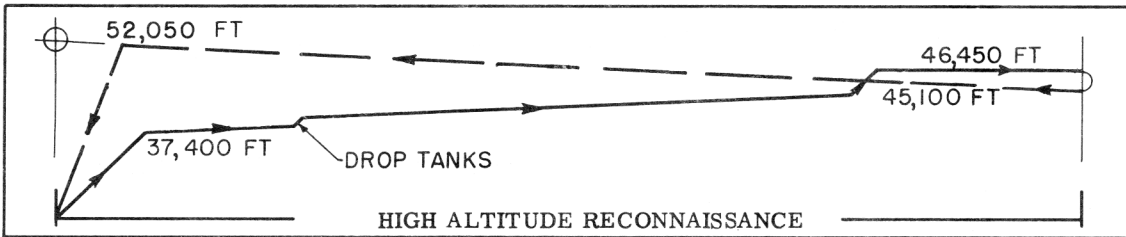
*10-5011A*

CLASSIFIED - CANCELLED  
OR CHANGED TO UNCLASSIFIED  
BY AUTHORITY OF *100 Dir 50010*  
(INDIVIDUAL OR WRITTEN AUTHORITY)  
*A.R. Donelson 29 Mar 67*  
(OFFICIAL OR INDUSTRY CHANGE) (DATE)

*3rd Ed addn #6*

*53WC-12000*

*Characteristics Summary Basic Mission* ..... RB-52B



<b>PERFORMANCE</b>		
<b>COMBAT RADIUS</b>	<b>FERRY RANGE</b>	<b>S P E E D</b>
3095 naut. mi with 3700 lb payload at 457 knots avg. in 13.58 hours.	6235 naut. mi with 33,105 gal fuel at 457 knots avg. in 13.70 hours at 390,000 lb T.O. wt.	COMBAT 492 knots at 46,450 ft alt, max power MAX 542 knots at 19,500 ft alt, max power BASIC 517 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>
2320 fpm sea level, take-off weight normal power	40,400 ft 100 fpm, take-off weight normal power	ground run 6040 ft no assist   4600 ft assisted
4780 fpm sea level, combat weight maximum power	47,050 ft 500 fpm, combat weight maximum power	over 50 ft height 7700 ft no assist   6100 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>
Flash Bombs: 3700 lb Ammo: 2400rds -50cal	Empty..... 167,424 lb Combat... 264,610 lb Take - off 390,000 lb  limited by structure (Does not include weight of ATO units)	127 knots power-off, landing configuration, take-off weight
Fuel: 32,536 gal protected 70 % droppable 6 % external 6 %		<b>T I M E T O C L I M B</b>

**N O T E S**

1. Performance Basis:  
(a) Preliminary flight test

2. Revision Basis: To reflect change in security classification.

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Ohio 45433