

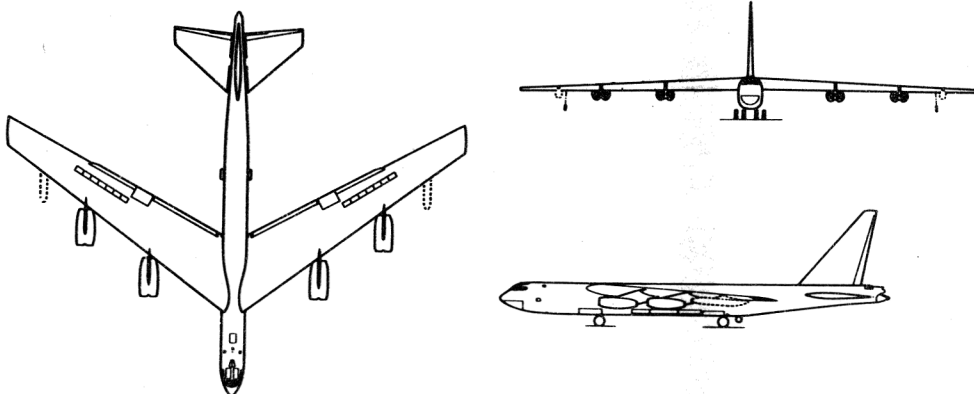
A-1
RB-52B/char
(Security Information)

~~SECRET~~

SERVICE

Characteristics Summary

(BOMBER VERSION) 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

1. Design Initiated: (B-52B) Feb 51
2. First Flight: Apr 54 (est)
3. First Acceptance: Apr 54 (est)
4. The RB-52B (Bomber Version) becomes an RB-52B (Reconn Version) when the capsule containing photographic, weather and electronic equipment is placed in the bomb bay.

Navy Equivalent: None

Mfr's Model: 464-201-4

POWER PLANT

(8) J57-P-1W
Pratt & Whitney
ENGINE RATINGS
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) 45KS 5000
Mfr Aerojet
Thrust (lb) 4 x 5000
Duration (sec) 45

FEATURES

Crew: 6
Cabin Pressurization
Cabin Heating & Cooling
Thermal Anti-icing
Deceleration Chute
Quadricycle Landing Gear
Aerodynamic Spoilers (Air-brake)
Vertical Camera Station
Steerable Landing Gear
K-3A Bombing-Navigation System
A-3A Fire Control System
Max Fuel Cap: 37,385 gal

ARMAMENT

Turret: 1
Guns: 4 x .50 cal
Ammunition (tot): 2400 rds
Bombs:
Max Size (lb) Max Load
New Series 750 27 x 750
Special Weapons 25,000 2 x 25,000

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RB-52B
(BOMBER VERSION)

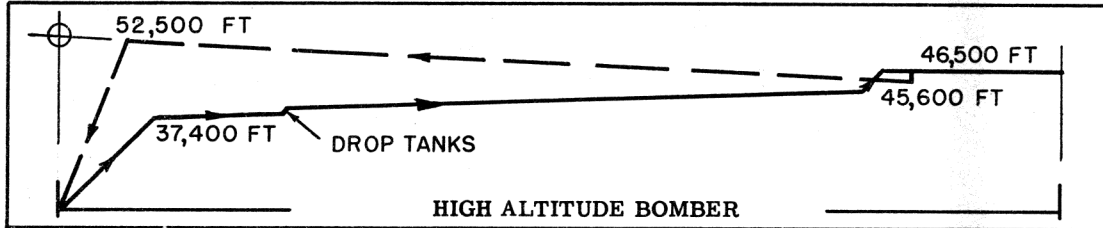
Amendment "Block" 9 Oct 53
Initial Review
Amend to reflect change in

CLASSIFICATION CANCELLED
(OR CHANGED TO *Unclassified*)
BY AUTHORITY OF *DoD - Dir. 5700.10*
INDIVIDUAL OR WRITTEN AUTHORITY
BY *A.P. Lovelace* 29 March 67

3rd Ed addn #2

537c 12000

Characteristics Summary Basic Mission · · (BOMBER) RB-52B



PERFORMANCE

COMBAT RADIUS	FERRY RANGE	S P E E D	
3110 naut. mi with 10,000 lb payload at 457 knots avg. in 13.46 hours.	6460 naut. mi with 33,846 gal fuel at 457 knots avg. in 14.19 hours at 390,000 lb T.O. wt.	COMBAT 492 knots at 46,500 ft alt, max power	MAX 542 knots at 19,500 ft alt, max power
BASIC 517 knots at 35,000 ft alt, max power			
C L I M B	C E I L I N G	T A K E - O F F	
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
4930 fpm sea level, combat weight maximum power	47,600 ft 500 fpm, combat weight maximum power	over 50 ft height	
		7700 ft no assist	6100 ft assisted
L O A D	W E I G H T S	S T A L L I N G S P E E D	
Bombs: 10,000 lb Ammo: 2400rds - 50 cal.	Empty..... 162,969 lb Combat... 257,900 lb Take - off 390,000 lb	127 knots power-off, landing config- uration, take-off weight	
Fuel: 32,308 gal protected 70 % droppable 6 % external 6 %	limited by structure (Does not include weight of ATO units)	T I M E T O C L I M B	

N O T E S

1. Performance Basis:
 - (a) Preliminary flight test
2. Revision Basis: Initial Issue

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Ohio 45433