

*Deleted; 4th Ed; Add N214;
1 May 56*

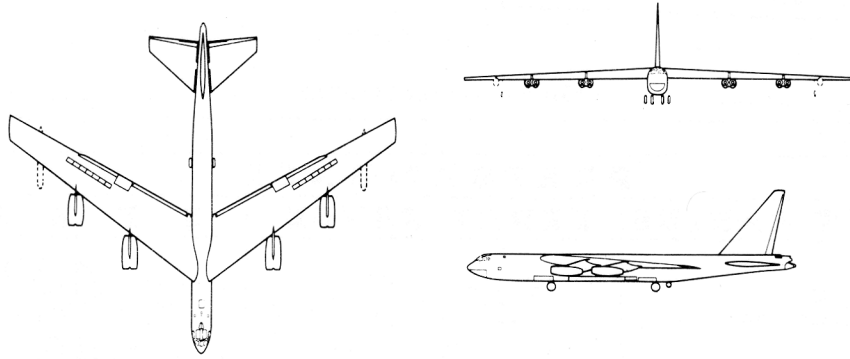
*A-1
(R) B-52C/char*

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SERVICE

Characteristics Summary

RECONNAISSANCE (BOMBER VERSION) RB-52C



"STRATOFORTRESS"

BOEING

Wing Area 4000 sq ft Length 156.6 ft
 Height (overall) 48.3 ft
 Span 185.0 ft Height (fin folded) 20.8 ft

AVAILABILITY

PROCUREMENT

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

STATUS

- Design Initiated: Dec 53
 - First Flight: Apr 56 (est)
 - First Acceptance: Apr 56 (est)
 - The RB-52C Bomber Version becomes a RB-52C when the capsule containing photographic, weather and electronic equipment is placed in the bomb bay.
 - Major differences from the RB-52B (Bomber Version) are the installation of J57-P-19W engines in place of J57-P-1W, & increase in fuel tank capacities. Mfr's Model: 464-201-6
- Navy Equivalent: None

POWER PLANT

(8) J57-P-19W
 Pratt & Whitney
ENGINE RATINGS

S.L.S. LB - **RPM - MIN

Max: *12,100-6450/9900-5

Mil: 10,500-6150/9900-30

Nor: 9000-5900/9650-Cont

* Wet
 ** First figure represents low pressure spool; second figure represents high pressure spool.

Note: At present there are no requirements for ATO

FEATURES

Crew 6

Cabin Pressurization
 Heating and Cooling
 Thermal Anti-Icing
 Braking Parachute
 Quadricycle Landing Gear
 Aerodynamic Spoilers (Air-brake)
 Vertical Camera Station
 Steerable Landing Gear
 MA-6 Bombing-Nav. System
 A-3A Fire Control System
 Folding Fin

Max Fuel Cap: . . 42,110 gal

ARMAMENT

Turret 1
 Guns . . . 4 x .50 cal (M-3)
 Ammunition (tot) . 2400 rds

BOMBS:

No. Class (lb)

New Series
 27 (Family of Clusters) 1000
 Special Weapons

1 30,000
 2 8600

Max Bomb Load:
 1 x 43,000 lb

Note: Structural provisions for 50,000 lb bomb; space and structural provisions for XB-63

CLASSIFICATION CANCELLED
 (OR CHANGED TO) *Unclassified*
 BY AUTHORITY OF *DOD DIR 5200.10*
 (INDIVIDUAL OR WRITTEN AUTHORITY)
 BY *A.R. Johnson* 19 Mar 67
 (DATE)
 (EXPLANATION OF CHANGES)

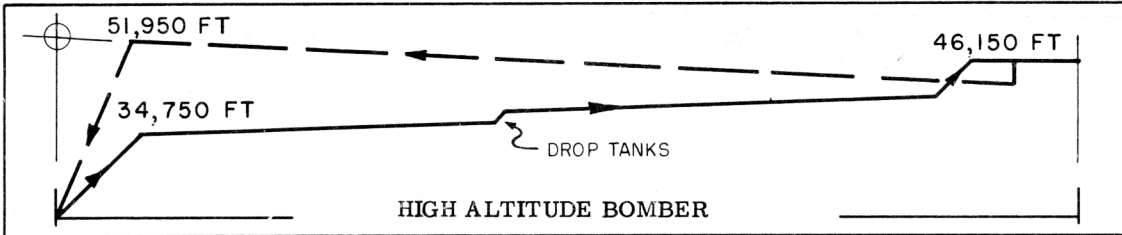
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RB-52C
(BOMBER VERSION)

4th Ed addn #1

Characteristics Summary Basic Mission RB-52C
(BOMBER VERSION)



PERFORMANCE

COMBAT RADIUS	FERRY RANGE	S P E E D
3625 naut. mi with 10,000 lb payload at 457 knots avg. in 15.93 hours.	7260 (c) naut. mi with 42,110 gal fuel at 457 knots avg. in 15.93 hours at 447,500 lb T.O. wt.	COMBAT 489 knots at 46,150 ft alt, max power MAX 546 (b) knots at 20,000 ft alt, max power BASIC 518 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 (d)
2240 fpm sea level, take-off weight normal power	38,050 ft 100 fpm, take-off weight normal power	ground run 8350 ft no assist — ft assisted
5430 fpm sea level, combat weight maximum power	47,350 ft 500 fpm, combat weight maximum power	over 50 ft height 10,650 ft no assist — ft assisted
L O A D	W E I G H T S	STALLING SPEED
Bombs 10,000 lb Ammunition: 2400 rds/.50 cal Fuel: 40,956 gal protected 63% droppable 15% external 15%	Empty..... 165,110 lb Combat... 279,900 lb Take - off 450,000 lb limited by structure	136 knots power-off, landing config- uration, take-off weight
		TIME TO CLIMB
		—

N O T E S

- Performance Basis:
 - Preliminary flight test of XB-52 and YB-52.
 - Limited by structure
 - Tanks carried all the way
 - Per design criteria the minimum take-off distances are: 7800 ft ground run and 10,050 ft over 50 ft obstacle.
- Revision Basis: To reflect latest performance and characteristics data.

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