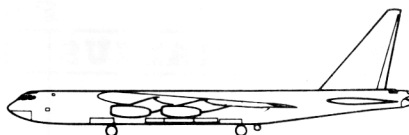
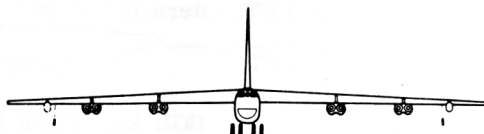
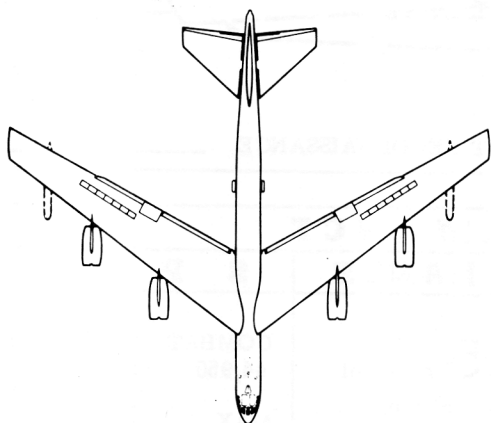


A1
B-52C/char
SERVICE

Characteristics Summary

BOMBER (RECONN. VERSION) B-52C



STRATOFORTRESS

BOEING

Wing Area 4000 sq ft Length 156.6 ft
Span 185.0 ft Height (overall) 48.3 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: Mar 56
 - First delivery to SAC: June 56
 - The B-52C (Reconn Version) has the reconnaissance capsule in the bomb bay.
 - Major differences of the B-52C (Reconn Version) from the B-52B with -19W engines is the increase in fuel tank capacity. B-52B's contained within A.F. Serial Nos. 52-004 thru 53-376 have the -1W engine. See Note (e)
- Navy Equivalent: None Mfr's Model: 464-201-6

POWER PLANT	
(8) J57-P-19W or -29WA	
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	8
Cabin Pressurization, Heating and Cooling	
Braking Parachute	
Quadricycle Landing Gear	
Interchangeable Reconnaissance Capsule	
Crosswind Landing Gear	
MA-6A Bombing-Nav. System	
A-3A Fire Control System	
Thermal Anti-Icing	
Aerodynamic Spoilers (Air-brake)	
2 (3000 Gal) Wg, Drop Fuel Tanks	
Folding Fin	
Max Fuel Cap:	41,550 gal

ARMAMENT		
Turret	1	
Guns	4 x .50 cal (M-3)	
Ammunition (tot)	2400 rds	
BOMBS:		
Nr	Class (lb)	
24	(M-120A-1 Flash Bombs)	
	165	
CAMERAS		
Nr	Type	Lens
Multi Camera Station		
4	K-38	36"
or		
1	K-38	12"
Tri Camera Station		
3	T-11	6"
or		
1	K-37 (Vertical)	12"
or		
1	K-36	24"
1. *0-15 Radar recording		
*No fixed station		

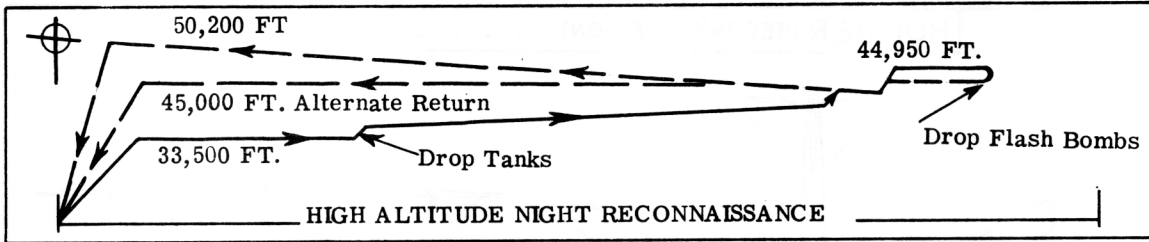
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*Black Book
5th Ed
Addendum Vol 7
21 July 57*

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Characteristics Summary Basic Mission B-52C (RECONN)



P E R F O R M A N C E		
COMBAT RADIUS	FERRY RANGE	S P E E D
3285 naut. mi with 3960 lb payload at 453 knots avg. in 14.57 hours.	6705 naut. mi with 41,550 gal fuel at 453 knots avg. in 14.86 hours at(c)447,955lb T.O. wt.	COMBAT 493 knots at 44,950 ft alt, mil power MAX 551 (d) knots at 20,200 ft alt, mil power BASIC 519 knots at 35,000 ft alt, mil power
C L I M B	C E I L I N G	T A K E - O F F
2225 fpm sea level, take-off weight normal power	37,550 ft 100 fpm, take-off weight normal power	ground run 8000 ft no assist _____ ft assisted
5170 fpm sea level, combat weight military power	45,850 ft 500 fpm, combat weight military power	over 50 ft height 10,300ft no assist _____ 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
Flash bombs: 24 x M-120A-1 3960 lb Ammunition: 2400 rds/50 cal Fuel: 41,255 gal protected 61.6 % droppable 14.4 % external 14.4 %	Empty..... 168,737 lb Combat... 289,900 lb Take - off (b)450,000 lb limited by structure	147 knots, initial buffet, power-off, landing config- uration, take-off weight T I M E T O C L I M B _____

N O T E S	
1. Performance Basis: (a) Data source: Flight test (b) Excludes 2500 lb water. (c) Limited by fuel capacity (d) Limited by structure. (e) O.W.E. increases approximately 2000 lbs on B-52 airplanes utilizing the J57-P-29WA engines resulting in a minor range decrease for a given T.O. Weight.	Property of the Air Force Museum Wright-Patterson Air Force Base Ohio 45433
2. Revision Basis: To reflect change in security classification.	