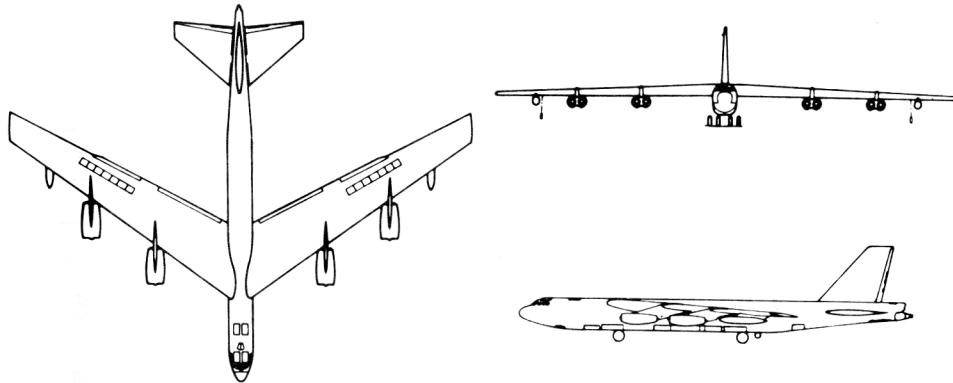


Characteristics Summary

HEAVY BOMBER B-52G



STRATOFORTRESS

BOEING

Wing Area 4000 sq ft. Length 157.6 ft.
 Span 185.0 ft. Height 40.7 ft.
 Height (Fin folded) 21.5 ft.

AVAILABILITY			PROCUREMENT			
Number available			Number to be delivered in fiscal years			
TEST	INVENTORY	TOTAL	FY61			
11	179	190	0			

STATUS

- Major differences from the B-52F are: reduced span fin, deletion of ailerons, 700 gallon fixed external tanks, enlarged nose radomes, relocation of gunner, integral wing fuel tanks, reduced empty weight and increased max. gross weight.
Navy Equivalent: None
 - Program Initiated: Jun 56
 - First Flight : Oct 58
 - First Acceptance Oct 58
 - Out of Production: Feb 61
- Mfr's Model: 464-253

POWER PLANT

(8) J57-P-43WB ***
Pratt & Whitney

ENGINE RATINGS
 S.L.S. LB - **RPM - MIN
 Max: 13,750 - 6800/9650 - 5
 Mil: 11,200 - 6400/9650 - 30
 Nor: 9,500 - 6100/9350 - Cont

* Wet
 ** First figure represents low pressure spool; second figure represents high pressure spool
 *** Equipped with sound suppressors

Note: There are no requirements for ATO

FEATURES

Crew 6
 Cabin pressurization, heating and cooling
 ASB-9 Improved Hi Speed Bombing Radar
 ASG-15 Fire control sys.
 Quadricycle landing gear with cross-wing steering
 Braking parachute
 Aerodynamic spoilers (airbrakes)
 Anti-skid brakes
 Single-point ground and air refueling provisions
 Liquid oxygen system
 4 Engine driven 40 KVA alternators
 6 Engine driven hyd. pumps
 Folding fin.

Max fuel cap: 47,975 gal

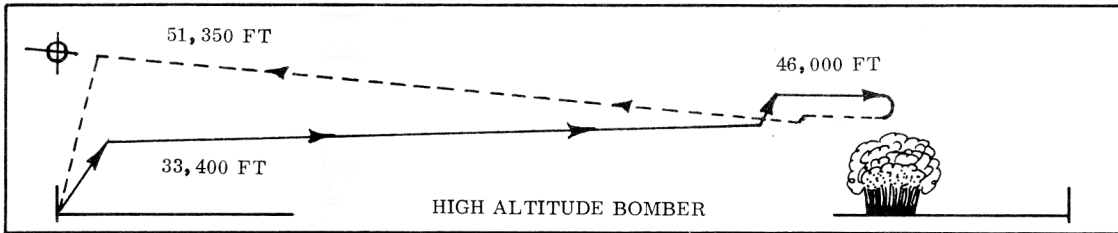
ARMAMENT

Turret 1
 Guns 4 x 50 cal
 Ammunition . . (total) 2400 rds

BOMBS:
 Nr.
 27 (family of clusters)(1000lb ea)
 Special Weapons
 *MK 6
 MK 15
 MK 28
 MK 36
 MK 39
 MK 41

*1st 154 G's only
 Note:
 Airplane will carry 4 GAM-72 & 2 GAM-77 missiles or 4 GAM-87 missiles after retrofit.
 Max Bomb Load: (2) 17,700 lb

Characteristics Summary Basic Mission B-52G



PERFORMANCE (a)		
COMBAT RADIUS	FERRY RANGE	S P E E D
<p>3460 naut. mi</p> <p>with 10,000/400/270 lb payload</p> <p>at 454 knots avg.</p> <p>in 15.30 hours.</p>	<p>7270 naut. mi</p> <p>with 43,986 gal fuel</p> <p>at 454 knots avg.</p> <p>in 16.08 hours</p> <p>at (b)450,000 lb T.O. wt.</p>	<p>(TAS)</p> <p>COMBAT 495 knots at 46,000 ft alt, mil power</p> <p>MAX 553 (e) knots at 20,500 ft alt, mil power</p> <p>BASIC 521 knots at 35,000 ft alt, mil power</p>
C L I M B	C E I L I N G	T A K E - O F F
<p>2425 fpm</p> <p>sea level, take-off weight</p> <p>normal power</p>	<p>38,400 ft</p> <p>100 fpm, take-off weight</p> <p>normal power</p>	<p>ground run</p> <p>6750 ft</p>
<p>5850 fpm</p> <p>sea level, combat weight</p> <p>military power</p>	<p>47,100 ft</p> <p>500 fpm, combat weight</p> <p>military power</p>	<p>over 50 ft height</p> <p>8800 ft</p>
L O A D	W E I G H T S	S T A L L I N G S P E E D
<p>Bombs/Chaff/Flares: 10,000/400/270 lb</p> <p>Ammunition 2400 rds. / .50 cal.</p> <p>Fuel: 42,345 gal</p> <p>protected 0 %</p> <p>droppable 0 %</p> <p>external (c) 3.3 %</p> <p>Density (JP-4) lb/gal (6.5)</p>	<p>Empty..... 158,590 lb</p> <p>Combat... 281,390 lb</p> <p>Take - off (b) 450,000 lb</p> <p>limited by structure (inflight)</p>	<p>147 knots</p> <p>power-off, landing configuration, take-off weight (d)</p>
		T I M E T O C L I M B
		<p>19.1 minutes to cruise altitude of 33,400 ft.</p>

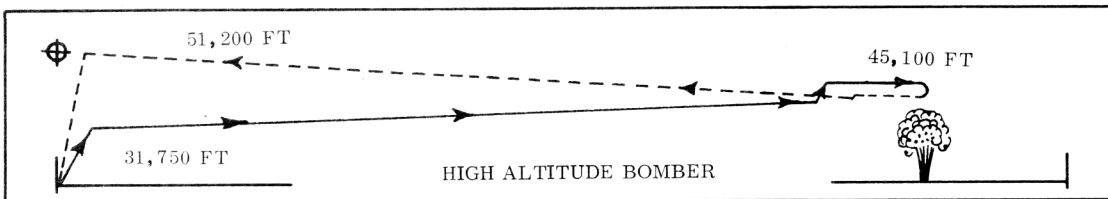
N O T E S

1. Performance Basis:

- (a) Data Source: Flight test
- (b) Does not include 10,000 lb water
- (c) Based on 42,345 gallon load
- (d) Initial buffet
- (e) Limited by structure

2. Revision Basis: Data reCOORDINATED.

SUPPLEMENTAL B-52G
Characteristics Summary Basic Mission - ALTERNATE IN-FLIGHT



PERFORMANCE (a)		
COMBAT RADIUS	FERRY RANGE	S P E E D
<p align="center">3785 naut. mi</p> <p>with 10,000/400/270 lb payload</p> <p>at 454 knots avg.</p> <p>in 16.74 hours.</p>	<p align="center">7735 naut. mi</p> <p>with 47,975 gal fuel</p> <p>at 454 knots avg.</p> <p>in 17.11 hours</p> <p>at (b) 475,928 lb T.O. wt.</p>	<p align="center">(TAS)</p> <p>COMBAT 494 knots at 45,100 ft alt, mil power</p> <p>MAX - 553 knots at 20,500 ft alt, mil power (c)</p> <p>BASIC 521 knots at 35,000 ft alt, mil power</p>
C L I M B	C E I L I N G	T A K E - O F F
<p align="center">2180 fpm</p> <p>sea level, take-off weight normal power</p>	<p align="center">36,700 ft</p> <p>100 fpm, take-off weight normal power</p>	<p align="center">ground run</p> <p align="center">8100 ft</p>
<p align="center">5560 fpm</p> <p>sea level, combat weight military power</p>	<p align="center">46,150 ft</p> <p>500 fpm, combat weight military power</p>	<p align="center">over 50 ft height</p> <p align="center">10,350 ft</p>
L O A D	W E I G H T S	S T A L L I N G S P E E D
<p>Bombs/Chaff/Flares: 10,000/400/270 lb Ammunition 2400 rds/.50 cal.</p> <p>Fuel: 47,975 gal protected 0 % droppable 0 % external 2.9 % Density (JP-4) lb/gal (6.5)</p>	<p>Empty..... 158,590 lb</p> <p>Combat... 294,650 lb</p> <p>Take - off (b) 486,598 lb</p> <p>limited by fuel capacity</p>	<p align="center">153 knots</p> <p>power-off, landing config- uration, take-off weight (d)</p>
		T I M E T O C L I M B
		<p align="center">20.1 minutes to cruise altitude of 31,750 ft.</p>

N O T E S

1. Performance Basis:
 (a) Data Source: Flight Test
 (b) Does not include 10,000 lb water
 (c) Limited by structure
 (d) Initial buffet

2. Revision Basis: Data reCOORDINATED.