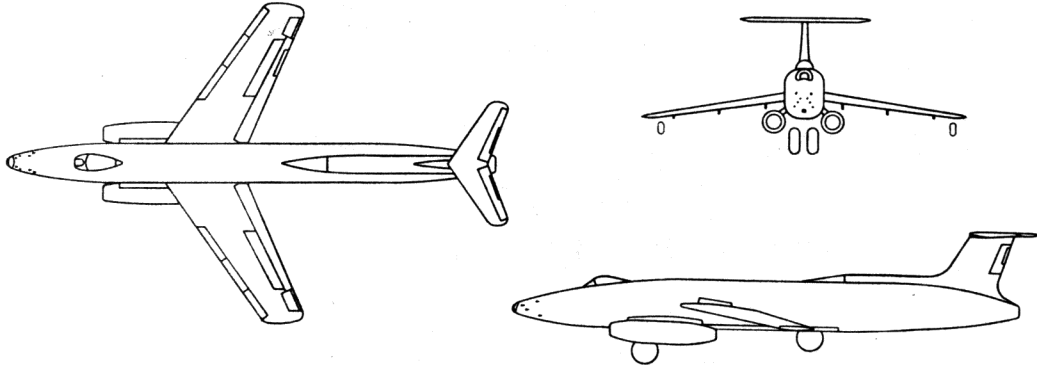


*Selected: Not tested in  
3rd Ed; Add Nr 16; 1 Sep 54*

# Characteristics Summary

BOMBER ..... XB-51



MARTIN

Wing area ..... 548 sq ft    Length ..... 85.1 ft  
Span ..... 53.1 ft    Height ..... 17.3 ft

### AVAILABILITY

### PROCUREMENT

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

### STATUS

- Design initiated: Feb 47
- First flight: (1st Art.) Oct 49
- First flight: (2nd Art.) Apr 50
- First acceptance: (1st Art.) Jan 52
- First acceptance: (2nd Art.) Dec 51

Navy Equivalent: None

Mfr's Model: 234

### POWER PLANT

(3) J47-GE-13  
General Electric  
ENGINE RATINGS

S.L.Static LB - RPM - MIN  
Max: \*6000- 7950 - 5  
Mil: 5200- 7950 - 30  
Nor: 4320- 7370 - Cont  
\*Wet

ATO

No. & Model... (4)14AS1000  
Mfr ..... Aerojet  
Thrust (lb) ..... 1000  
Duration (sec) ..... 14

### FEATURES

Crew: 2  
Cabin Pressurization and Cooling  
Ejection Seats  
Shoran  
Variable Wing & Tail Incidence  
Deceleration Parachute  
Max Fuel Cap: 3535 gal

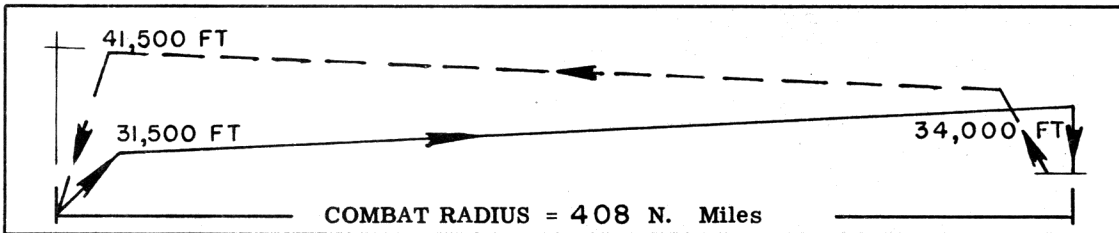
### ARMAMENT

Turrets: None  
Guns: 8x20 mm  
Ammunition (tot): 1280 rds  
Max Bomb Load:  
Internal: 4x1600 lb  
External: 2x2000 lb  
Max Bomb Size: 4000 lb  
Rocket Provisions:  
8x5" HVAR

Classification cancelled  
 or changed to Unclassified  
 AUTH: A9 SP A9 GC Sec Class Guide 1 Jan 64  
 By A R Pennebaker 20 Feb 67 Doc Dir 5200.10  
 Signature and Grade

*3rd Ed 13 March 1953*

# Characteristics Summary Basic Mission ..... XB-51



## PERFORMANCE

COMBAT RADIUS	FERRY RANGE	S P E E D
408 naut. mi with 4000 lb payload at 470 knots avg. in 1.86 hours.	1255 naut. mi with 3535 gal fuel at 470 knots avg. in 2.69 hours at 58,424 lb T.O. wt.	COMBAT 560 knots at Zero ft alt, max power MAX 560 knots at Zero ft alt, max power BASIC 502 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
3660 fpm sea level, take-off weight normal power	31,800 ft 100 fpm, take-off weight normal power	ground run 4225 ft no assist   3070 ft assisted
6500 fpm sea level, combat weight maximum power	37,700 ft 500 fpm, combat weight maximum power	over 50 ft height 5760 ft no assist   4620 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: 4000 lb Ammunition: 1280 rds/20 mm  Fuel: 2835 gal protected 100 % droppable 0 % external 0 %	Empty..... 30,906 lb Combat... 44,000 lb Take - off 57,874 lb  limited by mission	132 knots power-off, landing config- uration, take-off weight  <b>T I M E T O C L I M B</b>  _____

## N O T E S

- Performance Basis:
  - Estimated data
- Revision Basis: To conform to MIL-C-5011A

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