

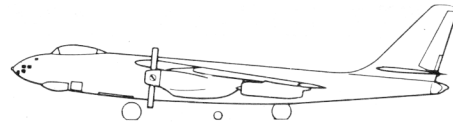
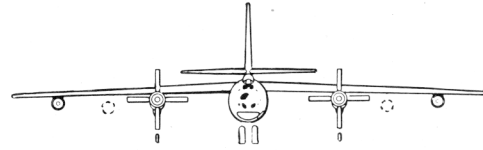
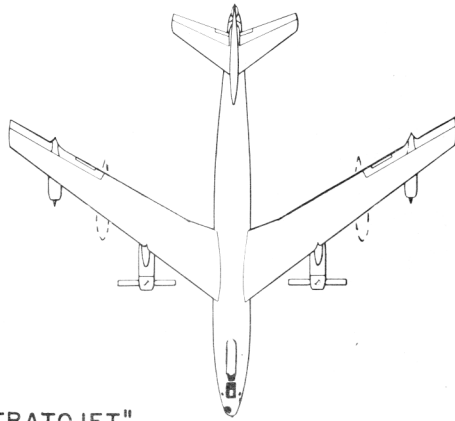
Unclassified  
~~SECRET~~

A-1  
(X)B-47D/khan

EXPERIMENTAL

# Characteristics Summary

**BOMBER . . . . . XB-47D**



"STRATOJET"

BOEING

Wing area..... 1428 sq ft      Length..... 106.8 ft

Wing Span..... 116.0 ft      Height..... 27.9 ft

## AVAILABILITY

## PROCUREMENT

Number available

Number to be delivered in fiscal years

ACTIVE	RESERVE	TOTAL				

## STATUS

- Design Initiated: Feb 51
- Contract Approval: Apr 51
- Mock-up: Jan 52
- First Flight: Mar 54 (est)
- First Acceptance: Jul 54 (est)
- Phase II contract for one prototype only.
- XB-47D developed from B-47B

Navy Equivalent: None

Mfr's Model: 450-162-28

## POWER PLANT

## FEATURES

## ARMAMENT

(2) YT49-W-1  
Wright  
ENGINE RATINGS

S.L.S. SHP - LB - RPM-MIN  
T.O. 9000 - 3450-8000-5  
Mil: 9000 - 3450-8000- 30  
Nor: 8250 - 3000-7700 -Cont

plus  
(2) J47-GE-23  
General Electric  
S.L.S. LB - RPM - MIN  
Max: \*6090 - 7950 - 5  
Mil: \*5850 - 7800 - 30  
Nor: \*5590 - 7630 - Cont

\* No inlet screens

Crew ..... 3  
Cabin Pressurization  
Bicycle Landing Gear  
Reverse Thrust Props  
Anti-skid Brakes  
Emergency Braking Para-  
chute  
Thermal Anti-icing

Single Point Ground Refuel-  
ing  
Prov. for external drop tanks

Max Fuel Capacity: 13,979gal

NONE  
(See "Note c")

*Remain to flow  
copy  
Series 13 Jul 53*

*Classification cancelled  
or changed to Unclassified  
AUTH: AFSC AF d.c. Sec class Guide 1 Jun 64  
By A.R. Tomlinson 1 Apr 64 Doc Dir 500.10  
Signature and Grade 20 Feb 67*

13 JUL 53

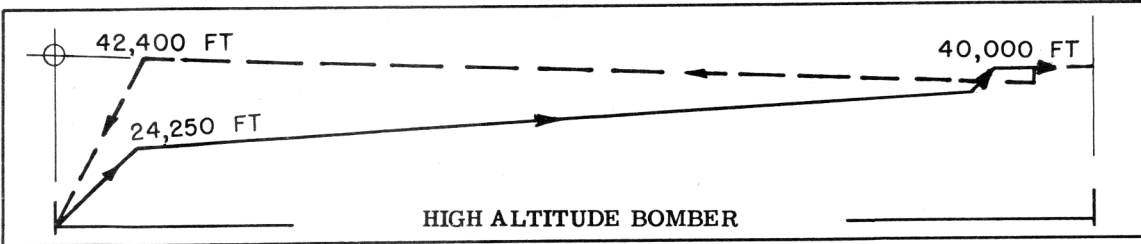
~~SECRET~~

XB-47D

*3rd Ed addn # 2*

*53 WC 12000*

*Characteristics Summary Basic Mission* ..... XB-47D



<b>PERFORMANCE</b> (c)		
<b>COMBAT RADIUS</b>	<b>FERRY RANGE</b>	<b>S P E E D</b>
2717 naut. mi with 10,000 lb payload at 402 knots avg. in 13.7 hours.	5759 naut. mi with 13,979 gal fuel at 402 knots avg. in 14.5 hours at 174,428 lb T.O. wt.	COMBAT 461 knots at 40,000 ft alt, max power MAX 519 knots at 13,500 ft alt, max power BASIC 479 knots at 35,000 ft alt, max power
<b>C L I M B</b>	<b>C E I L I N G</b>	<b>T A K E - O F F</b>
2910 fpm sea level, take-off weight normal power	33,750 ft 100 fpm, take-off weight normal power	ground run 4850 ft   — ft no assist   assisted
5140 fpm sea level, combat weight maximum power	41,500 ft 500 fpm, combat weight maximum power	over 50 ft height 7320 ft   — ft no assist   assisted
<b>L O A D</b>	<b>W E I G H T S</b>	<b>S T A L L I N G S P E E D</b>
Bombs: 10,000 lb  Fuel: 13,979 gal protected 100 % droppable 0 % external 0 %	Empty..... 79,800 lb Combat... 121,850 lb Take - off 184,428 lb limited by space	144 knots power-off, landing config- uration, take-off weight <hr/> <b>TIME TO CLIMB</b> <hr/>

**N O T E S**

1. Performance Basis:

- (a) Estimated data plus B-47B Flight Test
- (b) Take-off weight as per Detail Specification D-12250 dated 1 Feb 1952 but as yet not substantiated by WADC.
- (c) Airplane is to be delivered as a test bed with no tactical equipment. However, performance data is based on the airplane with tactical equipment installed.

2. Revision Basis: To reflect latest performance and conform to MIL- C-5011A.

Property of the Air Force Museum  
Wright-Patterson Air Force Base  
Ohio 45433