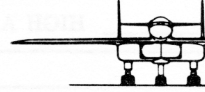
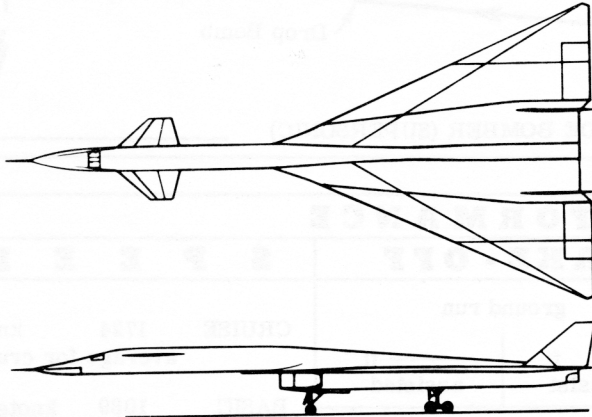


A-1
70AKHAR

MOCKUP

Characteristics Summary

BOMBER (SUPERSONIC).....B-70



VALKYRIE

NORTH AMERICAN

Wing Area 6298 sq ft Length 185.8 ft
Span 105.0 ft Height 30.7 ft

AVAILABILITY

PROCUREMENT

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

STATUS

- | | |
|-----------------------------|-------------------------------------|
| 1. Design Initiated: Nov 55 | 3. First Flight: Jan 62 (est) |
| 2. Mock-up: Mar 59 | 4. First Flight XB-70: Dec 62 (est) |

Navy Equivalent: None

Mfrs' Model: NA-239

POWER PLANT

(6) J93-GE-3
General Electric
S.L.S. LB - RPM - MIN
Max: *29,500 - 6825 - 5
Mil: 20,900 - 6825 - 30
Nor: 18,600 - 6825 - Cont

*With afterburner

FEATURES

Crew 4

Canard configuration
Air frame constructed from Steel and Titanium
SUB-SYSTEMS
Bombing-Nav. & Missile Guidance
Flight control
Defensive
Mission & Traffic control
JP-6 Fuel

Max fuel cap: 51,897 gal

ARMAMENT

No Guns:
BOMBS:
Nr Class (lb)
 Special Stores
1* Class A 25,000
2 Class B 20,000
1* Class B(FUFO) .. 15,000
2 Class C(FUFO) .. 17,000
4 Class D 8000

Max Bomb Load ... 25,000
 Alternate Loadings

2 ASM'S external + 1 class B
2 ASM'S external + 4 class D

*Space provisions only

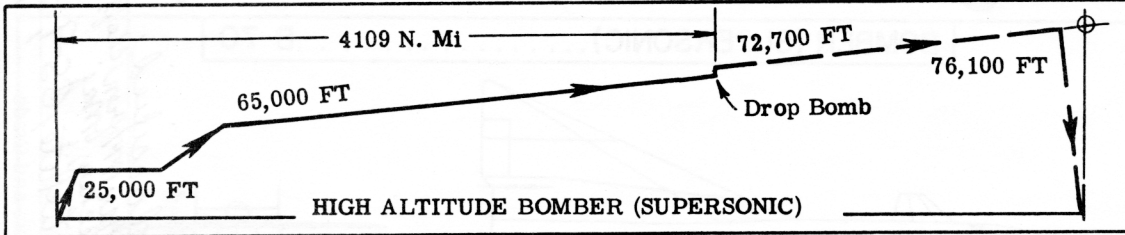
CLASSIFICATION CANCELLED OR CHANGED TO *CONFIDENTIAL* BY AUTHORITY OF *CONFIDENTIAL* INDIVIDUAL OR OFFICE AUTHORITY BY *William M. White* DATE *3/27/77* NAME OF OFFICIAL MAKING CHANGE

Classification cancelled or changed to *Unclassified* AUTH: *Special to release in May* BY *William M. White, BS-9* DATE *3/27/77*

~~ATOMIC ENERGY ACT 1954~~
~~RESTRICTED DATA~~

Classification cancelled or changed to *Unclassified* AUTH: *Special to release in May* BY *William M. White* DATE *3/27/77* Signature and Grade

Characteristics Summary Basic Mission **B-70**
(NON-REFUELED)



PERFORMANCE		
COMBAT RANGE	TAKE-OFF	SPEED
5309 naut mi in 3.18 hours	ground run 7680 ft no assist _____ ft assisted	CRUISE 1724 knots average for cruise
FERRY RANGE	over 50 ft height	BASIC 1089 knots at 35,000 ft alt, Mil power
5461 naut mi in 3.27 hours	10,600 ft no assist _____ ft assisted	MAX 1735 knots at 86,300 ft alt, max power
CLIMB	BOMB RELEASE TRADE	
10,800 fpm sea level, take-off weight maximum power	<p>RANGE - (1000 N. MI.)</p> <p>554,609 LB T.O.WT 347,710 LB FUEL</p> <p>DISTANCE TO BOMB RELEASE - (1000 N. MI.)</p>	
COMBAT CEILING		
83,300 ft 500 fpm, combat weight maximum power		
LOAD		
Bomb: 10,900 lb Fuel: 51,897 gal		
WEIGHTS		
Empty 188,326 lb Combat 272,236 lb Take-off 554,609 lb		

~~RESTRICTED DATA~~
~~ATOMIC ENERGY ACT 1954~~

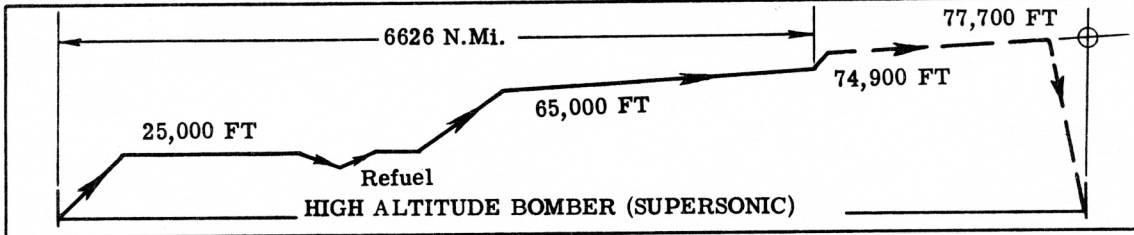
NOTES

- Performance Basis:
 - Estimated (Not Substantiated by WADD)
 - MIL-C-5011A Ground Rules
- Revision Basis: Initial Issue

A-1
B-70/char
MOCKUP

S U P P L E M E N T A L

Characteristics Summary Basic Mission **B-70**
(REFUELED)



P E R F O R M A N C E

C O M B A T R A N G E	T A K E - O F F	S P E E D
7826 naut mi in 6.73 hours	ground run 7680 ft no assist _____ ft assisted	CRUISE 1721 knots average for cruise
F E R R Y R A N G E	over 50 ft height	BASIC 1089 knots at 35,000 ft alt at mil power
NA naut mi in NA hours	10,600 ft no assist _____ ft assisted	MAX 1731 knots at 85,100 ft alt, max power

C L I M B

5800 fpm
sea level, take-off weight
military power

C O M B A T C E I L I N G

84,900 ft
500 fpm, combat weight
maximum power

L O A D

Bombs: 10,900
Fuel: 51,897 gal

W E I G H T S

Empty	188,326	lb
Combat	240,892	lb
Take-off	554,609	lb

B O M B R E L E A S E T R A D E

RANGE - (1000 N. MI.)

DATA NOT AVAILABLE

DISTANCE TO BOMB RELEASE - (1000 N. MI.)

N O T E S

- Performance Basis:
 - Estimated (not substantiated by WADD)
 - SAC Ground rules (Non-refueled range is 6522 n. mi)
- Revision Basis: Initial Issue

S U P P L E M E N T A L

RESTRICTED DATA
ATOMIC ENERGY ACT 1954

CLASSIFICATION CANCELLED
CLASSIFIED TO [Signature]
BY AUTHORITY OF [Signature] D.P. 5-200-10
(INDIVIDUAL OR WRITTEN AUTHORITY)
BY G.P. Lovelace 29 Mar 67
GRADE OF INDIVIDUAL [Signature]