

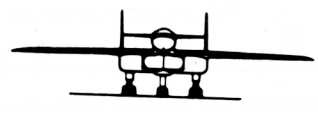
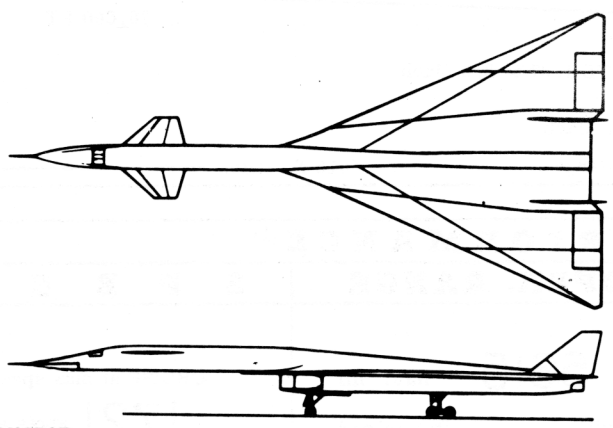
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A-1
XJB-70 char
EXPERIMENTAL

Characteristics Summary

BOMBER (SUPERSONIC) XB-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			
TEST	INVENTORY	TOTAL	FY 63			
			1			

STATUS	
1. Design Initiated: Nov 55	4. Prototype air vehicle is to be used to obtain test data in the B-70 flight spectrum.
2. Mock-up: Mar 59	
3. First Flight: Dec 62 (est)	
Navy Equivalent: None	Mfr's Model: NA-267

POWER PLANT
(6) YJ93-GE-3
General Electric
S. L. S. - LB - RPM - MIN
Max: *28,000 - 6825 - Cont
Mil: 19,900 - 6825 - Cont
Nor: 17,700 - 6825 - Cont
*With afterburner

FEATURES
Crew 2
Canard-type trimming device Air frame constructed from Steel and Titanium
Variable area inlet Convergent-divergent exhaust nozzle
Folding wing tips
Marker Beacon . . . AN/ARN-58
IFF Radar AN/APX-46
HF Radio Set . . . AN/ARC-58
UHF Command . . . AN/ARC-50
Interphone AN/AIC-18
TACAN AN/ARN-65
Max fuel capacity: 47,107 gal
Grade JP-6

GUIDANCE
Special Stores
BOMBS:*
Nr.
1 Class A
2 Class B
2 Class C
4 Class D
*Space provisions only

Classification cancelled
or changed to *Unclassified*
AUTH: DoD Div 5200.10
By *William M. White, 19 Jan 73*
Signature and Grade

CLASSIFICATION CANCELLED
FOR CHANGED TO *Confidential*
BY AUTHORITY OF DoD Div 5200.10
(INDIVIDUAL OR WRITTEN AUTHORITY)
A. R. Lovelace
GRADE & GRADE OF INDIVIDUAL MAKING CHANGE) (DATE)
29 Mar 67

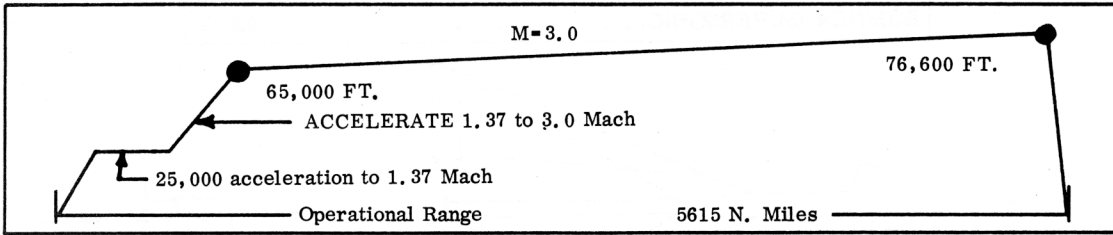
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XB-70
System 110A

57WC 4983

Characteristics Summary Basic Mission XB-70



PERFORMANCE ⁽¹⁾

COMBAT RADIUS	OPER. RANGE	S P E E D
NOT APPLICABLE	5615 naut. mi with none lb payload in 4.09 hours	CRUISE at max speed 1721 knots at 65,000-76,600 ft alt, min A/B
C L I M B	C E I L I N G	T A K E - O F F
10,715 fpm sea level, take-off weight maximum power	85,200 ft 100 fpm, operational weight(3) maximum power	ground run 7110 ft ft no assist assisted
24,550 fpm sea level, operational weight (3) maximum power	85,000 ft 500 fpm, operational weight (3) maximum power	over 50 ft height 9820 ft ft no assist assisted
L O A D	W E I G H T S	M I N . S A F E S P E E D
Bombs: (Space Provisions only) Fuel: 47,107 gal protected . . . 0 % droppable 0 % external 0 %	Empty..... 182,766 lb Operational 249,159 lb (3) Take - off 517,616 lb limited by mission	161 knots T.O. wt. 102 knots Landing wt. with canard flaps down

N O T E S

1. Performance Basis: Estimated data
2. Revision Basis: Data reCOORDINATED
3. Operational weight is defined as the weight 1200 N. Mi prior to mission completion. (This corresponds to the 1200 N. Mi post strike range of the B-70)