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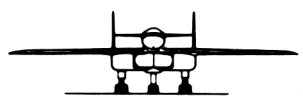
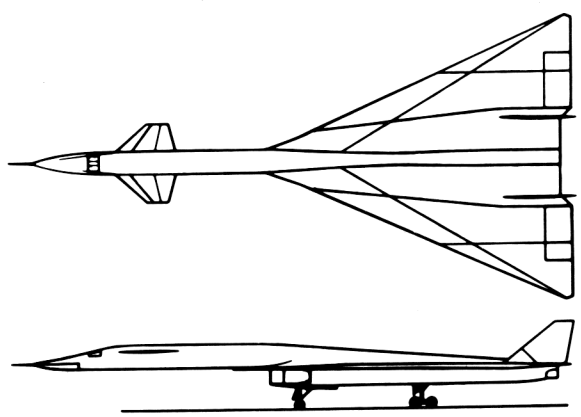
A-1
(Y) B-70/CAAR

SECRET

EXPERIMENTAL

Characteristics Summary

BOMBER (SUPERSONIC) YB-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	FY 65			
			1			

STATUS

- Design Initiated: Nov 55
 - Mock-up: Mar 59
 - First Flight: Jan 65(est)
- Navy Equivalent: None Mfr's Model: NA-274

AIR VEHICLE

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

FEATURES
Crew 4
Canard type trimming device
Air frame constructed from steel and titanium
Variable area inlet
Convergent-divergent exhaust nozzle
Folding Wing Tips
Grade JP-6
Max fuel capacity . 51,290 gal

MILITARY SUB-SYSTEMS

GUIDANCE
Bombing, Navigation and Missile Launching AN/ARN-58(V)**
AN/ASQ-28(V) Bombing Navigation
N3B Stellar Inertial Platform
Coherent Doppler Radar (K-Band)
Digital Computer
Coherent pulse-to-pulse tuned X-Band Bombing Radar
ASM Prelaunch Capability
High Resolution Presentation

MISSION & TRAFFIC CONTROL
Instrument Landing System AN/ARN-58(V)**
IFF Transponder AN/APX-46(V)
HF Radio Set SSB
UHF Command AN/ARC-50(V)
Interphone AN/AIC-18(V)
TACAN AN/ARN-52(V)
SK & R Transponder AN/APN-135(V)

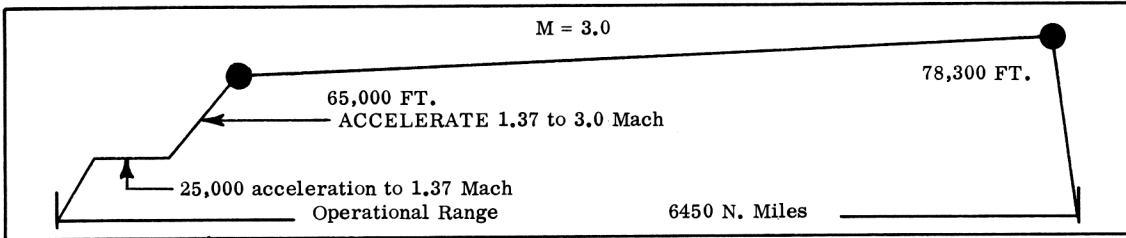
DEFENSIVE SUBSYSTEM
AN/ALQ-24(V)
Infrared Surveillances & Countermeasures
RF Surveillance
ECM Modulators
ECM Amplifier
ECM Filters
Programmer & Operator Console
Chaff Equipment
Passive, Infrared & Electronic Countermeasures

ARMAMENT
Special Stores
Nr
1 Bomb Class A*
2 Bomb Class B
2 Bomb Class C
4 Bomb Class D
*Space provisions only
**(V) Variable (not GFAE config)

DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10
J.M. White 3/4/77

CONFIDENTIAL
BY AU
DoD Dir 5200.10
MILITARY AIRCRAFT
19 March 1977
W. A. R. Tomlinson

Characteristics Summary Basic Mission YB-70



P E R F O R M A N C E		
COMBAT RADIUS	OPER. RANGE	S P E E D
NOT APPLICABLE	6450 naut. mi with 10,000 lb payload in 4.56 hours	CRUISE at max speed 1721 knots at 65,000-78,300 ft alt, min A/B
C L I M B	C E I L I N G	T A K E - O F F
10,800 fpm sea level, take-off weight maximum power	85,000 ft 100 fpm, operational weight (3) maximum power	ground run 7680 ft no assist — ft assisted
27,970 fpm sea level, operational weight (3) maximum power	84,700 ft 500 fpm, operational weight (3) maximum power	over 50 ft height 10,600 ft no assist — ft assisted
L O A D	W E I G H T S	M I N . S A F E S P E E D
FUEL 51,488 Gal* Protected 0% Droppable 0% External 0% * Limited by max gross weight	Empty..... 190,895 lb Operational (3) 242,062 lb* Take - off 554,609 lb * limited by mission	165 knots T.O. wt 100.4 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.