Characteristics Summary

BOMBER ............... XB-64A

"NAVAHO" 

NORTH AMERICAN

Wing Area .................. N.A.  

Length ....................... 84.5 ft

Span .......................... 37.9 ft  

Height .......................... 12.4 ft

AVAILABILITY  

Number available

ACTIVE  RESERVE  TOTAL

PROCUREMENT  

Number to be delivered in fiscal years

STATUS

1. Project Initiated: Feb 46
2. Contract Date: Feb 46
3. First Flight (prod. article): Sep 57

POWER PLANT

SUSTAINER
(2) 48" Ramjet Engines  
Wright Aero. Corp.

THRUSt RATINGS
ALT  -  LB  -  MACH
57,000  N.A.  3.25
88,000 ft

BOOSTER
No. & Model (3) Liquid Rockets  
Mfr. ........ North American
Thrust (lb-ea) ........ 130,000  
Duration (sec) ........ 70

FEATURES

Mid Wing trapezoidal planform with side air-inlets
Auto-navigator and Auto-Pilot
Telemetering Equipment
Air-Conditioned Guidance Compartment
Warhead Provisions

Max Fuel Cap: 10,420 gal

GUIDANCE

SYSTEM
Inertial

TERMINAL ACCURACY
50% Hits within 1500 ft of Target

CONTROL
System ...... Auto-navigator and auto-pilot
### Characteristics Summary Basic Mission

**XB-64A**

#### PERFORMANCE

<table>
<thead>
<tr>
<th>ENDURANCE</th>
<th>RANGE</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOT AVAILABLE</td>
<td>5500 naut mi, with 7000 lb payload</td>
<td>MAX 1869 knots at 88,000 ft alt, boost power</td>
</tr>
<tr>
<td>in 2.95 hours</td>
<td>at 1869 knots avg.</td>
<td>88,000 FT</td>
</tr>
</tbody>
</table>

### LAUNCHING

Launched vertically from ground using booster which will separate at approximately 65,000 ft altitude

#### PREPARATION & LAUNCH TIME

Approximately 2 hours

### CLIMB

NOT AVAILABLE

- sea level, launching wt., max power

### ALTITUDE

- Begin Cruise 57,000 ft.
- End Cruise 88,000 ft.

### LOAD WEIGHTS

<table>
<thead>
<tr>
<th>Warhead: ..........7000lb</th>
<th>Empty (XB-64A) 16,823 lb</th>
<th>50% hits within 1500 ft of target.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel: (XB-64A) 10,420gal</td>
<td>(Booster) 10,423 lb</td>
<td></td>
</tr>
<tr>
<td>Fuel: (Booster) 6993 gal</td>
<td>End Cruise 24,423 lb</td>
<td></td>
</tr>
<tr>
<td>protected 0 %</td>
<td>Launch (XB-64A) 98,833 lb</td>
<td></td>
</tr>
<tr>
<td>droppable 0 %</td>
<td>(Booster) 123,704 lb</td>
<td></td>
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<tr>
<td>external 0 %</td>
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</tbody>
</table>

### TARGET ACCURACY

- 50%

### NOTES

1. PERFORMANCE BASIS:
   - (a) Estimated data (Not substantiated by WADC)

2. REVISION BASIS: Initial Issue