Characteristics Summary

**BOMBER: XA-64**

"NAVAHO"  
NORTH AMERICAN

- Wing Area: 425 sq ft  
- Length: 67.8 ft
- Span: 28.2 ft  
- Height: 11.6 ft

### Availability

<table>
<thead>
<tr>
<th>Number available</th>
<th>PROCUREMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTIVE</td>
<td>RESERVE</td>
</tr>
</tbody>
</table>

#### STATUS

1. Project Initiated: Feb 46
2. First Flight (X-10): Oct 53
3. First Flight (XB-64): Sep 55
4. Completion of Development: Jun 58

Navy Equivalent: None  
Mfr's Model: __________

### Power Plant

- (2) XRJ47-W-5  
- Wright Aero. Corp.  
- ENGINE RATINGS
  - ALT: 37,000  
  - LB: 22,500  
  - MACH: 2.75
- Booster
  - No. & Model: (1) XLR71-NA-1  
  - Mfr: North American  
  - Thrust (lb): 240,000  
  - Duration (sec): 55

### Features

- Modified Delta Plan Form Wing
- Side Air Inlets
- Trailing Edge Rudders
- Auto-Navigator and Auto-Pilot
- Telemetering Equipment
- Air Conditioning Guidance Compartment
- Warhead Provisions
- Max Fuel Cap: 6670 gal

### Guidance

- SYSTEM
  - Inertial - Celestial
- TERMINAL ACCURACY
  - 50% hits within 1500 ft of target.
- CONTROL
### Performance

<table>
<thead>
<tr>
<th>Endurance</th>
<th>Range</th>
<th>Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOT AVAILABLE</td>
<td>3100 naut mi.</td>
<td>MAX 1581 knots at</td>
</tr>
<tr>
<td></td>
<td>with 1350 lb payload</td>
<td>81,000 ft alt, cruise power</td>
</tr>
<tr>
<td></td>
<td>at 1581 knots avg.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>in 1.96 hours</td>
<td></td>
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</tbody>
</table>

### Launching

Launched vertically from ground using booster which will separate at approximately 48,000 ft altitude.

**Preparation & Launch Time**

Approximately 2 hours

### Climbing

NOT AVAILABLE

- sea level, launching wt., max power
- ft alt, begin cruise wt., max power

### Altitude

- Begin Cruise: 55,000 ft
- End Cruise: 77,400 ft

### Load

- **Ballast:** 1350 lb
- **Fuel (XB-64):** 6670 gal
  - (Booster): 4330 gal
  - protected: 0%
  - droppable: 0%
  - external: 0%
  - Oxidizer (Booster): 4193 gal
- **Empty (XB-64):** 16,850 lb
- (Booster): 7060 lb
- End Cruise: 23,000 lb
- **Launch (XB-64):** 65,000 lb
- (Booster): 71,700 lb

### Weights

- 50% hits within 1500 ft of target

### Target Accuracy

### Notes

1. PERFORMANCE BASIS:
   (a) Estimated data (Not substantiated by WADC)
2. REVISION BASIS: To reflect latest characteristics data.