Characteristics Summary

BOMBER ............... XB-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>
<th>Number to be delivered in fiscal years</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTIVE</td>
<td>RESERVE</td>
<td>TOTAL</td>
</tr>
</tbody>
</table>

STATUS

1. Project Initiated: Feb 46
2. Contract Date: Feb 46
3. First Flight (test article): Apr 55

POWER PLANT

SUSTAINER
(2) XJR47-W-5
Wright Aero. Corp.

THRUST RATINGS

ALT - LB - MACH
37,000 ft 22,500 2.75

BOOSTER

No. & Model (1) XLR71-NA-1
Mfr ......... North American
Thrust (lb) ........... 240,000
Duration (sec) ........ 65

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

Initial: Auto-pilot
Mid-Course: (primary) Auto. Celestial
Terminal: Inertial

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### Characteristics Summary Basic Mission

**Surface-Surface**

**COMBAT RANGE** - 3100 N. Mile

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**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 81,000 ft alt, boost power</td>
</tr>
<tr>
<td>with 1350 lb payload</td>
<td>with 1350 lb payload at 1581 knots avg. in 1.96 hours</td>
<td></td>
</tr>
</tbody>
</table>

**LAUNCHING**

Launched vertically from ground using booster which will separate at approximately 60,000 ft altitude.

**PREPARATION & LAUNCH TIME**

Approximately 2 hours

**CLIMB**

NOT AVAILABLE

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

**ALTITUDE**

|_Begin Cruise | 55,000 ft |
|_End Cruise  | 81,000 ft |

**LOAD**

- Ballast: 1350 lb
- Fuel (XB-64) 6670 gal
- (Booster) 4330 gal
- protected 0%
- droppable 0%
- external 0%

**WEIGHTS**

- Empty (XB-64) 16,850 lb
- (Booster) 7050 lb
- End Cruise 23,000 lb
- Launch (XB-64) 65,000 lb
- (Booster) 71,700 lb

**TARGET ACCURACY**

50% hits within 1500 ft of target

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**NOTES**

1. **PERFORMANCE BASIS:**
   - Estimated data (Not substantiated by WADC)
2. **REVISION BASIS:** Initial Issue