Characteristics Summary

BOMBER ····················· YB-49

Wing area ...................... 4000 sq ft
Length .......................... 53.1 ft
Span ............................. 172.0 ft
Height ........................... 15.2 ft

<table>
<thead>
<tr>
<th>AVAILABILITY</th>
<th>PROCUREMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number available</td>
<td>Number to be delivered in fiscal years</td>
</tr>
<tr>
<td>ACTIVE</td>
<td>RESERVE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>STATUS</th>
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<tbody>
<tr>
<td>SERVICE TEST</td>
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</tbody>
</table>

1. First flight: October 1947
2. Two service test articles completed.

POWER PLANT

(8) Turbo-Jet J 35-A-15
Allison

S.L. Static LB - RPM
T.O: 4000 - 7700
Max: 4000 - 7700
Nor: 3500 - 7400

FEATURES

Crew: 6
Cabin Pressurization, Heating and Cooling

ARMAMENT

Turrets: None
Guns: None
Max. Bomb Load: (10) 1600 lb
Max. Bomb Size: 4000 lb

4 MAY 1949
## CHARACTERISTICS SUMMARY BASIC MISSION

### PERFORMANCE

<table>
<thead>
<tr>
<th>COMBAT RANGE</th>
<th>COMBAT RADIUS</th>
<th>COMBAT SPEED</th>
</tr>
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<tbody>
<tr>
<td>1400 naut. mi</td>
<td>2740 naut. mi</td>
<td>402 knots at 35,000 ft alt, max power</td>
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</tbody>
</table>

#### CLIMB

- **Sea level, take-off weight normal power:** 1750 fpm
- **Sea level, combat weight maximum power:** 3700 fpm

#### CEILING

- 35,200 ft
- 40,700 ft

#### TAKE-OFF

- **Ground run:**
  - No assist: 100 fpm, take-off weight normal power
  - Assisted: 5040 ft, 6070 ft

#### LOAD WEIGHS

- **Empty...** 88,442 lb
- **Combat...** 135,660 lb
- **Take-off...** 196,193 lb

#### STALLING SPEED

- 90 knots

#### TIME TO CLimb

- Limited by space

### NOTES

1. PERFORMANCE BASIS: NACA standard conditions no wind, single airplane;
   (a) Fuel consumption based on flight tests increased 5%.
   (b) Airplane manufacturer’s flight test and wind tunnel data
   (c) Actual weights of airplane.
   (d) Engine manufacturer’s estimated data.

   Wright-Patterson Air Force Base
   Ohio 45433

3. REVISION BASIS: To reflect manufacturer’s latest data.