Characteristics Summary

BOMBER (NON-REFUELED).... B/RB-58 A

HUSTLER

CONVAIR

Wing area ................. 1542.5 sq. ft.  Length ..................... 96.8 ft.
Span .................... 58.8 ft.        Height .................... 31.4 ft.

AVAILABILITY

<table>
<thead>
<tr>
<th>ACTIVE</th>
<th>RESERVE</th>
<th>TOTAL</th>
</tr>
</thead>
</table>

PROCUREMENT

| Classification cancelled |

STATS

1. Design Initiated: Feb.51
2. First Flight: 11 Nov. 56

Navy Equivalent: None

Mfr's Model: 4

POWER PLANT

(4) J79-GE-5A
General Electric

S.L.S.  LB - RPM - MIN
Max: *15,600 - 7460 -
Mil: 10,000 - 7460 -
Nor: 9700 - 7460 - Cont

*With Afterburner

FEATURES

Crew .......... 3
Air Conditioning
Ejection Seats
Automatic Pilot
Power Operated Controls
Braking Parachute
Provisions for Single-Point Ground and Air Refueling
Chaff Dispenser
Defensive ECM
Rendezvous Equipment
Pod Concept

Max. Fuel Cap...15,369gal

ARMAMENT

Turrets .......... 1
Guns ... 1 x 20mm (M-61)
Ammunition: (tot) ....
.................. 580-1040 rds
Warhead*
Designation ..........
.... Class C W-39-Mod I
Weight .......... 6230 lb

*In Free Fall Bomb Pod

10 JUL 59

SECRET

B/RB-58 A
(NON-REFUELED)

57HC 4983
**Characteristics Summary Basic Mission..** B/RB-58A

**BASIC MISSION PROFILE**

- **50,600 FT**
- **M = 0.95**
- **63,100 FT**
- **55,900 FT**
- **30,000 FT**
- **M = 0.93**
- **MACH 2.0**

**NON-REFUELED HIGH ALTITUDE BOMBER**

---

### PERFORMANCE

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>TAKE-OFF</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>2250 n.mi</td>
<td>5870 ft</td>
<td>CRUISE 544 knots</td>
</tr>
<tr>
<td>with 200 n.mi radius</td>
<td>--- ft</td>
<td>average for cruise</td>
</tr>
<tr>
<td>at Mach 2.0</td>
<td>no assist</td>
<td>COMBAT 1147 knots at</td>
</tr>
<tr>
<td>in 7.9 hours</td>
<td>assisted</td>
<td>63,100 ft alt</td>
</tr>
</tbody>
</table>

**FERRY RANGE**

- 5634 n.mi
- in 10.58 hours

**CLIMB**

- 14,780 fpm
- sea level, take-off weight
- maximum power

**CEILING**

- 63,600 ft
- 500 fpm, combat weight
- maximum power

**LOAD**

- Warhead . Class C (6230 lb)
- Ammunition .580 rds/20 mm
- Fuel ........... 14,810 gal

**WEIGHTS**

- Empty ........ 51,081 lb
- Combat ........ 85,500 lb
- Take-off ....... 158,000 lb

**NOTES**

1. Performance Basis:
   - (a) Contractor's estimated data
   - (b) High speeds restricted by engine and airframe structural limits
   - (c) Mission performance is for B-58 delivering a free fall bomb pod

2. Revision Basis: To reflect current model designation and changes to Power Plant and Armament blocks.