Characteristics Summary

RECONNAISSANCE ··············· RB-47C

"STRATOJET"

BOEING

Wing area .................. 1428 sq ft
Length .......................... 109.5 ft
Span ................................ 116 ft
Height .............................. 27.9 ft

AVAILABILITY

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

PROCUREMENT

<table>
<thead>
<tr>
<th>Number to be delivered in fiscal years</th>
</tr>
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</table>

STATUS

1. Design initiated: Aug 50
2. Reconnaissance version of B-47C
3. Prototype first flight: Dec 51 (est.)
4. Production article acceptance: Sep 52 (est)
5. Formerly designated RB-56A

Navy Designation: None

Manufacturer's Model: 450-24-26

POWER PLANT

(4) J35-A-23*
Allison

ENGINE RATINGS
S.L. Static LB - RPM
Max: 9700 - 6100
Mil: 9700 - 6100
Nor: 8200 - 6100

ATO
(1) Aerojet "YLR-45-AJ-1" or
(1) M.W. Kellogg "YLR-47-K-1"
4 chambers (5000 lb thr ea.)
Total thrust (lb)..............20,000
Duration (sec) ...............60

*See note 3

FEAT URES

Crew: 3
- Cabin Pressurization
- Thermal Anti-icing
- Navigational Radar
- Gun-Laying Radar
- Anti-skid Brakes
- Seat Ejection
- Int. & Ext. Fuel Tank Purging
- Braking Parachute
- Single-Point Refueling
- Air Refueling Provisions
- Photoflash Bombs
- Max Fuel Cap: 19,163 gal

ARMAMENT

Turrets: 1
- Guns: 2x.50 cal
- Ammunition (tot.): 1200 rds
- Max Flash Bombs: 10xT-9E8

5 JANUARY 1951

SECRET

RB-47C
Characteristics Summary Basic Mission

**PERFORMANCE**

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>COMBAT RANGE</th>
<th>COMBAT SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>2350 naut. mi</td>
<td>4730 naut. mi</td>
<td>484 knots at 35,000 ft alt, max power</td>
</tr>
<tr>
<td>with 0 lb payload</td>
<td>with 0 lb payload</td>
<td>(d)</td>
</tr>
<tr>
<td>at 426 knots avg.</td>
<td>at 426 knots avg.</td>
<td>(e)</td>
</tr>
<tr>
<td>in 11.3 hours.</td>
<td>in 11.4 hours.</td>
<td>550 knots at 5800 ft alt, max power</td>
</tr>
</tbody>
</table>

**CLIMB**

<table>
<thead>
<tr>
<th>CEILING</th>
</tr>
</thead>
<tbody>
<tr>
<td>3250 fpm sea level, take-off weight</td>
</tr>
<tr>
<td>35,000 ft 100 fpm, take-off weight</td>
</tr>
</tbody>
</table>

**TAKE-OFF**

- **MAXIMUM SPEED**:
  - 7200 fpm ground run
  - 4220 ft assisted over 50 ft height

**LOAD WEIGHTS**

<table>
<thead>
<tr>
<th>STALLING SPEED</th>
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<tr>
<td>138 knots flaps down, take-off weight</td>
</tr>
</tbody>
</table>

| Ammunition: |
| 1200 rds/.50 cal |
| Fuel: |
| 14,760 gal protected 75% |
| dropable 0% |
| external 0% |
| Empty... 80,811 lb |
| Combat... 128,400 lb |
| Take-off 180,000 lb |

**NOTES**

1. PERFORMANCE BASIS:
   - (a) Contractor's estimated data. (Not substantiated by AMC)
   - (b) Fuel density: 6.5 lb/gal (JP-3)
   - (c) Normal take-off technique is with ATO rockets of 60 second duration fired at start of roll.
   - (d) Limited by buffetting
   - (e) Limited by strength

2. REVISION BASIS: To reflect change in performance data.


*Daylight mission*