Characteristics Summary

**RECONNAISSANCE ··········· YRB - 49A**

<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>

Wing area ................................ 4000 sq ft  
Length ...................................... 53.1 ft
Span ........................................ 172.0 ft  
Height ...................................... 20.1 ft

**STATUS**

1. Construction completion of first airplane scheduled for January 1950 (estimated)
2. First flight: February 1950 (estimated)
3. First delivery: September 1950 (estimated)

**POWER PLANT**

(6) Turbo-jet J 35-A-19  
Allison

**ENGINE RATINGS**

| S.L. Static | 4900 - 7800 |
| T.O.        | 4900 - 7800 |
| Mil.        | 4240 - 7400 |

**FEATURES**

- Crew: 5
- Cabin Pressurization and Cooling
- Thermal Anti-icing
- Window Defrosting Loran
- T-89 Flash Bombs
- Max Fuel Cap: *14,688 gal*

**CAMERAS**

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Lens</th>
<th>Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1..</td>
<td>T-11. 6'</td>
<td>Mapping</td>
<td></td>
</tr>
<tr>
<td>5..</td>
<td>K-17. 6,12,24'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1..</td>
<td>K-22. 6,12,24'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1..</td>
<td>K-37. 12'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8..</td>
<td>K-38. 24,36'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1..</td>
<td>O-15... Radar Record</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*14 OCT. 1949*
Characteristics Summary Basic Mission... YRB - 49A

**Performance**

<table>
<thead>
<tr>
<th>Combat Radius</th>
<th>Combat Range</th>
<th>Combat Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1110 naut. mi with 1128 lb payload</td>
<td>2250 naut. mi with 1128 lb payload</td>
<td>380 knots at 35,000 ft alt, max power</td>
</tr>
<tr>
<td>at 336 knots avg. in 6.8 hours</td>
<td>at 340 knots avg. in 6.7 hours</td>
<td>MAXIMUM SPEED 381 knots at 35,332 ft alt, max power</td>
</tr>
</tbody>
</table>

**Climb**

- 1460 fpm at sea level, take-off weight normal power
- 2900 fpm at sea level, combat weight maximum power

**Ceiling**

- 29,200 ft at 100 fpm, take-off weight normal power
- 34,500 ft at 500 fpm, combat weight maximum power

**Take-off**

- 4280 ft ground run
- 5380 ft over 50 ft height

**Load Weights**

- Flash Bombs: 1128 lb
- Cameras: 936 lb
- Fuel: 12,280 gal protected 41 %
- dropable 0 %
- external 0 %

- Empty...... 88,427 lb
- Combat...... 129,487 lb
- Take-off... *175,000 lb

**Stalling Speed**

- 88 knots flaps down, take-off weight

**Time to Climb**

- Limited by strength

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**Notes**

1. PERFORMANCE BASIS: (a) Estimated data
   (b) In computing Radius and Range, specific fuel consumption has been increased 5% to allow for variations of fuel flow in service aircraft.
2. Fuel density: 6.7 lb/gal
3. B-35 (recip. engines) modified as YRB-49A to accommodate (6) turbo jets and photo equipment.
4. REVISION BASIS: Initial issue.
   *Limited to 85% design gross weight pending static test.