Characteristics Summary

FIGHTER ............... F-94C

Wing area ................... 232.8 sq ft
Length ...................... 41.5 ft
Span ........................... 37.6 ft
Height ...................... 13.7 ft

Availability

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

Status

1. Letter contract approved: March 1950
2. First flight (prototype) 18 January 1950
3. First acceptance & flight: Apr 1951
Navy Equivalent: None
Mfr Model: 880-75-13

Power Plant

(1) J48-P-5 Pratt & Whitney
S.L. Static LB-RPM-MIN
Max: *8750-10,900-15
Mil: 6350-10,900-30
Nor: 5250-10,550-Cont
*With afterburner operating
ATO
No. & Model (2) 12AS1000D4
Mfr Aerojet
Thrust: (lb ea) 1000
Duration: (sec) 12

Features

Crew:
Instrument Landing Syst.
Zero Reader
Hi Press. Oxygen Syst.
F-5 Auto-Pilot
Thermal Anti-Icing
Thin Laminar Flow Wing
Hughes Collision Course Sigh
Jettisonable Seats & Canopy
AN/AFX-6 Radar (I.F.F.)
Max Fuel Cap: 1270 gal.

Armament

Turrets: None
Guns: None
Ammunition: None
Bombs: 2 x 1000 lb
Rockets: 24 x 2.75”
and 8 x 5”

28 JULY 1950
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>341 naut. mi</td>
<td>1056 naut. mi</td>
<td>477 (509) knots at 35,000 ft alt, max power</td>
</tr>
<tr>
<td>with 0 lb payload</td>
<td>with 0 lb payload</td>
<td>(2)</td>
</tr>
<tr>
<td>at 425 knots avg.</td>
<td>at 431 knots avg.</td>
<td></td>
</tr>
<tr>
<td>in 2.04 hours.</td>
<td>in 2.54 hours.</td>
<td></td>
</tr>
</tbody>
</table>

**CLIMB**

<table>
<thead>
<tr>
<th>CEILING</th>
<th>TAKE-OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>3800 fpsm sea level, take-off weight normal power</td>
<td>43,400 ft 100 fpsm, take-off weight normal power</td>
</tr>
<tr>
<td><strong>15,000 (17,400)</strong> fpsm sea level, combat weight maximum power</td>
<td><strong>52,400 (53,400)</strong> ft 500 fpsm, combat weight maximum power</td>
</tr>
</tbody>
</table>

**LOAD**

<table>
<thead>
<tr>
<th>ROCKETS: (24) 2.75' FOLDING FIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Empty..... 11,933 lb</td>
</tr>
<tr>
<td>Combat... 15,920 lb</td>
</tr>
<tr>
<td>Take-off 18,537 lb</td>
</tr>
</tbody>
</table>

**WEIGHTS**

- Fuel: 810 gal
  - protected 43%
  - droppable 57%
  - external 57%
- limited by space for Basic Mission

**STALLING SPEED**

- 125 knots flaps down, take-off weight

**TIME TO CLIMB**

- 3.5 min S.L. to 35,000 feet
- Max Power, Combat wt.

**NOTES**

1. PERFORMANCE BASIS:
   a. Manufacturer's estimated data
   b. Fuel density: 6.5 lb/gal (JP-3)

2. External fuel is expended after 3.1 min of combat. Figures in parentheses describe the airplane with full internal fuel and no tip tanks - 15,247 lb.

3. REVISION BASIS: To present manufacturer's latest data.