## Characteristics Summary

**FIGHTER . . . . . . . . . . F-94B**

- **Wing area**: 237.6 sq ft
- **Length**: 40.1 ft
- **Span (minus tanks)**: 38.9 ft
- **Height**: 12.7 ft

### Availability

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

### Status

1. Modified F-94A
2. First Flight: .......... Dec 50
3. First Acceptance: .......... Dec 50

Navy Equivalent: None

Mfr’s Model: 780-76-08

### Power Plant

- **(1) J33-A-33**
- **Allison**

**Engine Ratings**

- **S.L. Static**: LB - RPM - MIN
  - Max: *6000 - 11,750 - 5*
  - Mil: 4600 - 11,750 - 30
  - Nor: 3900 - 11,250 - Cont

  *With afterburner operating*

- **ATO**
- **No & Model**: (2) 12AS-1000D4
- **Mfr**: Aerojet
- **Thrust (ea)**: 1000 lb
- **Duration (sec)**: 12

### Features

- **Crew**: 2
- **Pressurization (5psi)**
- **Instrument Landing System**
- **Zero Reader**
- **Hi Press. Oxygen**
- **1500 psi Hydraulic System**
- **E-1 Fire Control System**
- **Automatic Pneumatic Gun Chargers**
- **Max Fuel Capacity**: 783 gal

### Armament

- **Turrets**: None
- **Guns**: 4x.50 cal
- **Ammunition (tot.)**: 1200 rds
- **Max Bomb Load**: 2x1000 lb
- **Max Bomb Size**: 1000 lb

---

6 JULY 1951

RESTRICTED
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>388 naut. mi</td>
<td>1026 naut. mi</td>
<td>437 knots at 35,000 ft alt, max power</td>
</tr>
<tr>
<td>with 360 lb payload</td>
<td>with 360 lb payload</td>
<td>MAXIMUM SPEED 489 knots at zero ft alt, max power</td>
</tr>
<tr>
<td>at 383 knots avg.</td>
<td>at 384 knots avg.</td>
<td></td>
</tr>
<tr>
<td>in 2.46 hours.</td>
<td>in 2.77 hours.</td>
<td></td>
</tr>
</tbody>
</table>

**Climb**

<table>
<thead>
<tr>
<th>Ceiling</th>
<th>Take-off</th>
</tr>
</thead>
<tbody>
<tr>
<td>2650 fpm sea level, take-off weight normal power</td>
<td>38,200 ft 100 fpm, take-off weight normal power</td>
</tr>
<tr>
<td>7950 fpm sea level, combat weight maximum power</td>
<td>46,700 ft 500 fpm, combat weight maximum power</td>
</tr>
</tbody>
</table>

**Load**  

| Bombs: None | Empty..... 10,034 lb |
| *Ammunition: 1200 rds/.50 cal. | Combat... 14,150 lb |
| Fuel: 783 gal protected 41% | Take-off 16,774 lb |
| dropable 59% | limited by mission |
| external 59% | |

**Weights**

<table>
<thead>
<tr>
<th>Load</th>
<th>Weights</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>STALLING SPEED 110 knots flaps down, take-off weight</td>
</tr>
<tr>
<td></td>
<td>TIME TO CLIMB 20.7 Min. to 38,100 ft. Take-off Wt. Military Power</td>
</tr>
</tbody>
</table>

**Notes**

1. PERFORMANCE BASIS:
   (a) Contractor's estimated data
   (b) Fuel weight is 5.5 pounds per gallon.
2. Engine powers used for performance are:
   S.L.S. Thrust RPM ALT
   Max (with afterburner): 5300 - 11,750 - S.L.
   Mil: 4050 - 11,750 - S.L.
   Nor: 3425 - 11,250 - S.L.
3. REVISION BASIS: To show performance data.