**Characteristics Summary**

**FIGHTER............... F-47N**

- **Wing area**: 322 sq ft
- **Length**: 36.1 ft
- **Span**: 42.5 ft
- **Height**: 14.7 ft

<table>
<thead>
<tr>
<th><strong>AVAILABILITY</strong></th>
<th><strong>PROCUREMENT</strong></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>

<table>
<thead>
<tr>
<th><strong>STATUS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Major differences from F-47D: Engine change, increased wing fuel, clipped wingtips, bubble canopy, dorsal fin.</td>
</tr>
<tr>
<td>2. Design initiated: July 1940 (XF-47)</td>
</tr>
<tr>
<td>3. First acceptance: Sept 1944</td>
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<tr>
<td>4. Production completed: Dec 1945</td>
</tr>
</tbody>
</table>

- **Navy Equivalent**: None
- **Mfr Model**: AP-16B

**POWER PLANT**

- (1)R-2800-57, -63, -77 or -81
- Pratt & Whitney
- **ENGINE RATINGS**
  - BHP-RPM-ALT-MIN:
    - T.O: 2100-2800-Turbo-5
    - Mil: 2100-2800-Turbo-15
    - Nor: 1700-2800-Turbo-Cont.
- Provisions for water injection

**FEATURES**

- **Crew**: 1
- **Jettisonable Canopy**
- **Auto-Pilot**
- **Tail Warning Radar**
- **K-14B Gun Sight**
- **AN-N6 Gun Camera**
- **Max Fuel Cap**: 997 gal
- **Water/alcohol**: 30 gal

**ARMAMENT**

- **Turrets**: None
- **Guns**: (6) .50 cal
- **Ammunition**: 4000 rds
- **Max Bomb Load**: (3) 1000 lb
- **Max Bomb Size**: 1000 lb
- **Rocket Provisions**: (10) 5" HVAR

17 MAY 1950

**UNCLASSIFIED**
Characteristics Summary Basic Mission

- **Performance**
  - **Combat Radius**: 800 nautical miles
  - **Combat Range**: 17,005 nautical miles
  - **Combat Speed**: 374 knots at 25,000 ft alt., max power

- **Maximum Speed**: 385 knots at 35,000 ft alt., max power

- **Climb**
  - **Ceiling**:
    - 640 fpsm at sea level, take-off weight
    - 2,960 fpsm at sea level, combat weight
  - **Take-off**
    - 25,000 ft
    - 39,700 ft

- **Load Weights**
  - **Bomb**: None
  - **Ammunition**: 4000 rds./.50 cal
  - **Fuel**:
    - 997 gal
    - Protected 56 %
    - Droppable 44 %
    - External 44 %
  - **Empty**: 11,017 lb
  - **Combat**: 17,228 lb
  - **Take-off**: 20,837 lb
  - **Limited by Mission**

- **Stalling Speed**: 101 knots flaps down, take-off weight

- **Time to Climb**
  - 11 min
  - S.L. to 25,000 ft
  - Combat Wt., Max Power

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1. **Performance Basis**
   - (a) Manufacturer's and AMC flight tests
   - (b) Fuel density: 6.0 lb/gal

   - (c) Performance data shown above for max power is based on war emergency (wet) power of 2800 BHP @ 2800 RPM @ 25000 ft.

2. **Revision Basis**: To show engine ratings and changes in "Status", "Features" and "Notes" blocks.