**Characteristics Summary**

**FIGHTER · · · · · · · · · · · · · · · · · · · · · F-5IH**

<table>
<thead>
<tr>
<th>Wing area</th>
<th>236.0 sq ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>33.3 ft</td>
</tr>
<tr>
<td>Span</td>
<td>37.0 ft</td>
</tr>
<tr>
<td>Height</td>
<td>13.7 ft</td>
</tr>
</tbody>
</table>

**Availability**

<table>
<thead>
<tr>
<th>Number available</th>
<th>Procurement</th>
<th>Number to be delivered in fiscal years</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTIVE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RESERVE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Status**

1. Design initiated: 4 May 1940 (XF-51)
2. First acceptance: January 1945
3. Production completed: November 1945

**Power Plant**

<table>
<thead>
<tr>
<th>(1) V-1650-9 Packard</th>
</tr>
</thead>
<tbody>
<tr>
<td>BHP - RPM - ALT.**</td>
</tr>
<tr>
<td>T.O: 1335 - 3000 - S.L.</td>
</tr>
<tr>
<td>Max: *2220 - 3000 - 9,000</td>
</tr>
<tr>
<td>*1790 - 3000 - 22,700</td>
</tr>
<tr>
<td>Nor: 1065 - 2700 - 21,000</td>
</tr>
<tr>
<td>930 - 2700 - 31,000</td>
</tr>
</tbody>
</table>

*Fluid injection
**Level flight critical altitude (incl. ram)

**Features**

- Crew: 1
- Tall Warning Radar
- Cockpit Heating
- Max Fuel Capacity: 590 gal

**Armament**

- Turrets: None
- Guns: (6) .50 cal
- Ammunition: 1620 rds
- Max Bomb Load: (2) 1000 lb
- Max Bomb Size: 1000 lb
- Rocket Provisions: (10) 5' HVAR

**22 MAR. 1949**
### Characteristics Summary Basic Mission

#### F-51H

- **Combat Radius:** 770 nautical miles
- **Combat Range:** 1665 nautical miles
- **Combat Speed:** 406 knots at 25,000 ft alt, max power

#### Performance

<table>
<thead>
<tr>
<th></th>
<th>Combat Radius</th>
<th>Combat Range</th>
<th>Combat Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>770 naut. mi</strong></td>
<td>with 0 lb payload</td>
<td>with 0 lb payload</td>
<td>406 knots at 25,000 ft alt, max power</td>
</tr>
<tr>
<td><strong>at 249 knots avg.</strong></td>
<td>in 6.7 hours.</td>
<td>at 250 knots avg.</td>
<td></td>
</tr>
<tr>
<td><strong>1665 naut. mi</strong></td>
<td><strong>25,000 ft alt, max power</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Maximum Speed

- **410 knots at 22,700 ft alt, max power**

#### Climb

- **1100 fpm**
  - sea level, take-off weight normal power
- **5000 fpm**
  - sea level, combat weight maximum power

#### Ceiling

- **32,400 ft**
  - 100 fpm, take-off weight normal power
- **39,000 ft**
  - 500 fpm, combat weight maximum power

#### Take-off

- **1480 ft**
  - ground run
  - no assist
  - assisted
- **2490 ft**
  - over 50 ft height
  - no assist
  - assisted

#### Load Weights

- **Bombs:** None
- **Ammunition:** 1820 rds/.50 cal
- **Fuel:**
  - protected 480 gal
  - droppable 54%
  - external 46%
- **Empty..... 6551 lb**
- **Combat... 9430 lb**
- **Take - off 11,029 lb**
- **Limited by mission**

#### Stalling Speed

- **92 knots**
  - flaps down, take-off weight

#### Time to Climb

- **6.6 min.**
  - S.L. to 25,000 ft
  - Combat Wt., Max Power

#### Notes

1. PERFORMANCE BASIS: NACA standard conditions no wind, single airplane; 
   (a) Fuel consumption based on flight tests, increased 5%
2. Major differences from F-51D: Engine and propeller changes, longer fuselage and major structural changes.
3. REVISION BASIS: To present data in complete agreement with Standard Aircraft Characteristics Charts.