Characteristics Summary

FIGHTER (INTERCEPTOR) ............... F-108 A

NORTH AMERICAN

Wing Area ..................... 1865 sq ft
Length ......................... 89.2 ft
Span .......................... 57.4 ft
Height ........................ 22.1 ft

AVAILABILITY

ACTIVE  RESERVE  TOTAL

PROCUREMENT

Number available
Number to be delivered in fiscal years

STATUS

1. Contract Date: Jun 57
2. Mock-Up Date: Jan 59 (est)
3. First Flight: Mar 61 (est)

Navy Equivalent: None

Mfr's Model: NA-257

POWER PLANT

(2) J93-GE-3R

General Electric

ENGINE RATINGS

S.L.S. LB - RPM - MIN
Max: 27,200 - 6825 - Cont
Mil: 18,500 - 6825 - Cont
Nor: 17,500 - 6825 - Cont

FEATURES

Crew ............................. 2

Fire control system provides primary and auxiliary naviga-
tion, target search and detection and missile guid-
ance.

Pressurized fuel system

Nitrogen fuel system purging

Liquid oxygen system

Engine thrust reverser

Encapsulated crew seats

Variable geometry inlet ducts

Max fuel capacity: 7109 gal

ARMAMENT

Guns ......................... None

Bombs ......................... None

Rockets ........... 3 x GAR-9
### Characteristics Summary Basic Mission

**POINT-INTERCEPT**  77,600 FT  
186.0 min  
at 35,000 ft.

**AREA-INTERCEPT**  80,000 FT  
69,100 FT

### Performance

<table>
<thead>
<tr>
<th>POINT</th>
<th>FERRY RANGE</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INTERCEPT</strong></td>
<td><strong>FERRY RANGE</strong></td>
<td><strong>SPEED</strong></td>
</tr>
<tr>
<td><strong>POINT</strong></td>
<td>Total Mission Time for Interception at 77,600 ft. Equals 200.4 minutes</td>
<td>2184 naut. mi. with 7109 gal fuel</td>
</tr>
<tr>
<td><strong>AREA</strong></td>
<td>Nautical Miles at 1721 Knots Average in 1.24 hours</td>
<td>at 550 knots avg. in 4.01 hours</td>
</tr>
<tr>
<td><strong>CEILING</strong></td>
<td>887</td>
<td>at 99,780 lb T.O. wt.</td>
</tr>
<tr>
<td><strong>TAKE-OFF</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>POINT</strong></td>
<td>29,750 fpm at S.L. Take-Off Weight, Max Power</td>
<td>74,000 ft at 100 fpm, Take-Off Weight, Max Power</td>
</tr>
<tr>
<td><strong>AREA</strong></td>
<td>35,500 fpm at S.L. Combat Wt., Max Pow.</td>
<td>77,600 ft at 500 fpm, Combat Weight, Max Power</td>
</tr>
<tr>
<td><strong>WEIGHTS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LOAD</strong></td>
<td>Empty 50,544 lb.</td>
<td>85,327 lb. Point Combat 75,719 lb. Area</td>
</tr>
<tr>
<td><strong>STALLING SPEED</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TIME TO CLimb</strong></td>
<td></td>
<td>9.4 Min.</td>
</tr>
</tbody>
</table>

### Notes

1. Performance Basis:
   (a) Estimated Data

2. From standing start: includes 1.2 minutes for take-off and acceleration to climb speed.

3. Revision Basis: To reflect final configuration changes for January 1959 Mock-up.