Characteristics Summary

"SABRE"

NORTH AMERICAN

Wing Area .......... 313.4 sq ft  Length .................. 37.5 ft
Span .................. 39.1 ft  Height ................... 14.7 ft

AVAILABILITY

<table>
<thead>
<tr>
<th>Number available</th>
<th>ACTIVE</th>
<th>RESERVE</th>
<th>TOTAL</th>
</tr>
</thead>
</table>

PROCUREMENT

| Number to be delivered in fiscal years | |
|----------------------------------------| |

STATUS

1. All F-86F-25 thru -35 aircraft are being modified to incorporate the combination slatted-extended leading edge configuration and wing tip extensions. The F-86F-40 aircraft will have these modifications accomplished before delivery.

Navy Equivalent: None

Mr's Model: NA-176, -191, -203, & -227

POWER PLANT

(1) J47-GE-27
General Electric

ENGINE RATINGS

SLS  LB - RPM - MIN
Max: 5910 - 7950 - 5
Ml: 5910 - 7950 - 30
Nor: 5270 - 7630 - Cont

Note: Ratings are with inlet screens retracted.

FEATURES

Crew ............... 1
Combination Slatted-Extended Wing Leading Edge
Extended Wing Tips
Force Ejection Pylons
Low Pressure Oxygen System
A-4 Gun Sight with AN/APG-30A Radar
Speed Brakes
Electrically Operated Flaps

Max Fuel Capacity: 1077 gal

ARMAMENT

Guns ...... 6 x .50 cal(X-3)
Ammunition(tot)...1800 rds
Rockets ...... *8 x 5" HVAR
Bombs:  Class (lb)  Load
WWII
(Conical Fin) 1000 2x1000
INTERIs.
(Conical Fin) 1000 2x1000
NEW SERIES
1000 2x1000
Max Bomb Size .... 1000 lb
Max Bomb Load .... 2000 lb
*Provisions for 16x5" HVAR
**Characteristics Summary Basic Mission**

**F-86F-25 thru -40**

- **45,500 FT**
- **36,800 FT**

**Performances**

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>FERRY RANGE</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>402 naut. mi</td>
<td>1325 naut. mi</td>
<td>COMBAT 492 knots at 40,000 ft alt, max power</td>
</tr>
<tr>
<td>with 540 lb payload</td>
<td>with 1077 gal fuel</td>
<td>(513)</td>
</tr>
<tr>
<td>at 460 knots avg.</td>
<td>at 444 knots avg.</td>
<td>MAX 564 knots at zero ft alt, max power</td>
</tr>
<tr>
<td>in 2.11 hours.</td>
<td>in 3.04 hours</td>
<td>(529)</td>
</tr>
<tr>
<td></td>
<td>at 20,048 lb T.O. wt.</td>
<td>BASIC 504 knots at 35,000 ft alt, max power</td>
</tr>
</tbody>
</table>

**Climb**

- 6000 fpm sea level, take-off weight maximum power
- 7030 (8100) fpm sea level, combat weight maximum power
- 41,300 ft 100 fpm, take-off weight maximum power
- 41,400 (44,300) ft 500 fpm, combat weight maximum power

**Take-off**

- 2520 ft ground run
- 2510 ft no assist
- 3770 ft over 50 ft height
- 2510 ft assisted

**Load Weights**

<table>
<thead>
<tr>
<th>Ammunition</th>
<th>Empty..... 11,125 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>1800 rds/.50 cal</td>
<td></td>
</tr>
<tr>
<td>Fuel: 837 gal</td>
<td></td>
</tr>
<tr>
<td>protected 52.2 %</td>
<td></td>
</tr>
<tr>
<td>dropable 48 %</td>
<td></td>
</tr>
<tr>
<td>external 48 %</td>
<td></td>
</tr>
<tr>
<td>Combat... 15,681 lb</td>
<td></td>
</tr>
<tr>
<td>(15,352)</td>
<td></td>
</tr>
<tr>
<td>Take - off 18,152 lb</td>
<td></td>
</tr>
<tr>
<td>limited by mission</td>
<td></td>
</tr>
</tbody>
</table>

**Stalling Speed**

- 108 knots power-off, landing configuration, take-off weight

**Time to Climb**

- 10.4 (8.4) min SL to 35,000 ft, combat wt., maximum power

**Notes**

1. Performance Basis:
   (a) Contractor's flight tests
   (b) Combat is initiated with external tanks aboard, Values in parenthesis ( ) are after dropping tanks.
2. Revision Basis: Initial Issue