CHARACTERISTICS SUMMARY

FIGHTER .......... XF-88A

Wing area ..................... 350 sq ft  Length ..................... 54.2 ft
Span ............................. 39.7 ft  Height ..................... 17.3 ft

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

STATUS

1. Both of the XF-88's now have afterburner engines installed and have been redesignated as XF-88A's.
2. First flight: (1st art.) 20 October 1948 (2nd art.) 26 April 1949

POWER PLANT

(2) J34-WE-15
Westinghouse
ENGINE RATINGS
S.L. Static  LB - RPM
Max:  *3150 - 12,500
Mil:  3150 - 12,500
Nor:  2620 - 11,800
AFTERBURNING
*McDonnell Afterburners add approx. 40% thrust to max rating.

FEATURES

Crew:  1
Pressurization
Cooling
Ejection Seat
Irreversible Hydraulic Surface Controls
Artificial Feel System
AN/APG-5 Radar
A-1B Gun-Bomb-Rocket Sight
Dive Brake
Blind Landing Equipment
Max Fuel Cap:  862 gal

ARMAMENT

Turrets:  None
Guns:  6 x 20mm
Ammunition (total):  1320 rds
Max Bomb Load:  2x1000 lb
Max Bomb Size:  1000 lb
Rockets:  8x6" HVAR

I AUGUST 1950
CONFIDENTIAL

2nd Ed / March 1951
### PERFORMANCE

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>COMBAT RANGE</th>
<th>COMBAT SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>182 naut. mi (d)</td>
<td>694 naut. mi (d)</td>
<td>548 knots at 35,000 ft alt, max power (with A,B)</td>
</tr>
<tr>
<td>with 0 lb payload</td>
<td>with 0 lb payload</td>
<td>at 442 knots avg.</td>
</tr>
<tr>
<td>at 430 knots avg. in 1.28 hours.</td>
<td>at 442 knots avg. in 1.67 hours.</td>
<td></td>
</tr>
</tbody>
</table>

### CLIMB CEILING TAKE-OFF

- Sea level, take-off weight normal power
  - 13,900 fpm (with A.B.)
- 41,800 ft
  - 500 fpm, combat weight maximum power (with A.B.)

### LOAD WEIGHTS STALLING SPEED

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bombs: None</td>
<td>Empty... 13,819 lb</td>
<td>118 knots flaps down, take-off weight</td>
</tr>
<tr>
<td>Ammunition: 1320 rds/20mm</td>
<td>Combat... 18,557 lb</td>
<td></td>
</tr>
<tr>
<td>Fuel:</td>
<td>Take-off 21,200 lb</td>
<td></td>
</tr>
<tr>
<td>862 (e) gal protected 88 %</td>
<td>limited by space</td>
<td></td>
</tr>
<tr>
<td>droppable 0 %</td>
<td></td>
<td></td>
</tr>
<tr>
<td>external 0 %</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### NOTES

1. **PERFORMANCE BASIS:**
   - (a) Estimated data based on flight tests of XF-88 and preliminary tests of the XF-88A (No.2 article).
   - (b) Fuel density: 6.0 lb/gal
   - (c) In computing Radius and Range, specific fuel consumptions have been increased 5% to allow for variation of fuel flow in service aircraft.
   - (d) Radius and Range are increased to 197 and 755 nautical miles when using JP-3 (6.5 lb/gal).
   - (e) External tanks were never procured for this aircraft.

2. **REVISION BASIS:** To reflect latest performance data without external fuel tanks and to reflect change in max fuel capacity.