CHARACTERISTICS SUMMARY

AEW CARRIER BASED LANDPLANE W2F-1
GRUMAN

WING AREA  700.6 Sq. Ft.
WING SPAN  80' - 7"
LENGTH  51' - 7"
HEIGHT  16' - 6"

AVAILABILITY

<table>
<thead>
<tr>
<th>NUMBER AVAILABLE</th>
<th>PROCUREMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTIVE</td>
<td>RESERVE</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

STATUS

Est. Mockup                      October 1957
Est. First Flight                 June 1959
Est. Service Use                  1961

ENGINES

(2) Allison T-56-A-7

<table>
<thead>
<tr>
<th>ESHP</th>
<th>ALT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIL. 4,050</td>
<td>S.L.</td>
</tr>
<tr>
<td>NORM. 3,755</td>
<td>S.L.</td>
</tr>
</tbody>
</table>

SPEC. NO. 377-0

FEATURES

CREW - 5

Pressurized Crew Area
Folding Wings
Pneumatic wing deicers
Auto Pilot

ARMAMENT

NONE

ELECTRONIC

EQUIPMENT

AN/APS-70 UHF
AN/ALD-2 ECM

15 APRIL 1957
### CHARACTERISTICS SUMMARY

#### BASIC MISSION
- **W2F-1**
- **Loiter on Station 6.3 hrs. at 35,000 ft.**
- *(Alternate - cruise out 15,000 ft., loiter 5.0 hr. at 15,000 ft., climb to 35,000 ft., cruise back at 35,000 ft.)*

### PERFORMANCE

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>COMBAT RANGE</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 naut. mi.</td>
<td>2,030 naut. mi.</td>
<td>knots at ft.</td>
</tr>
<tr>
<td>238 knots avg.</td>
<td>280 knots avg.</td>
<td></td>
</tr>
</tbody>
</table>

**Mission Time:**
- **35,000 ft. 8.0 hrs.**
- **or 15,000 ft. 6.3 hrs.**

**Cruise at optimum cruise ceiling**

<table>
<thead>
<tr>
<th>CLIMB</th>
<th>CEILING</th>
<th>TAKE OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>ft./min.</td>
<td>33,000  ft.</td>
<td></td>
</tr>
</tbody>
</table>

**Sea Level, T. O. wt. Normal Power**
- **100 ft./min., T. O. wt.**
- **34,000 ft.**
- **500 ft./min., Combat wt. Military Power**

### LOAD

<table>
<thead>
<tr>
<th>WEIGHTS</th>
<th>STALLING SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel 1,784 gal.</td>
<td>Empty 32,715 lbs.</td>
</tr>
<tr>
<td>fixed 1,784 drop</td>
<td>Combat 41,512 lbs.</td>
</tr>
<tr>
<td>JP-5</td>
<td>Take-off 46,402 lbs.</td>
</tr>
<tr>
<td>Max. capacity 1,830 gals</td>
<td></td>
</tr>
</tbody>
</table>

**PERFORMANCE BASIS:** Performance is based on contractor estimates unsubstantiated by BUAER.

**TIME TO CLIMB:**
- 15,000 ft. in 6.7 min.
- Take-off Weight Normal Rated Power

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**Notes:**

- Performance is based on contractor estimates unsubstantiated by BUAER.