Characteristics Summary

DEW/CIC

Lockheed W2V-1

Wing Area: 1,850 Sq. Ft.
Wing Span: 150 Ft.
Length: 116' - 8"
Height: 29' - 0"

Availability

<table>
<thead>
<tr>
<th>Number Available</th>
<th>Procurement Number Delivered in Fiscal Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active</td>
<td>Reserve</td>
</tr>
</tbody>
</table>

Status

Est. First Flight: July 1959
Est. Service Use: March 1960

Engines

<table>
<thead>
<tr>
<th>Allison Turbo Prop</th>
<th>T56-A-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eng Prop. Jet</td>
<td>Jet</td>
</tr>
<tr>
<td>Rotor Shaft Thrust</td>
<td>RPM HP</td>
</tr>
<tr>
<td>T.O. 13,820 3755 710 LBS.</td>
<td></td>
</tr>
<tr>
<td>MIL 13,820 3755 710</td>
<td></td>
</tr>
<tr>
<td>NORM 13,820 3316 709</td>
<td></td>
</tr>
</tbody>
</table>

Features

- Crew: 27
- Cabin Press.
- Booster Controls
- 35' Dia. Rotodome above fuselage
- Basic Radar - ARS 70

Armament

None

15 July 1956
## CHARACTERISTICS SUMMARY

### BASIC MISSION

**W2V-1**

20,000 Ft.

---

### PERFORMANCE

<table>
<thead>
<tr>
<th>TIME ON STATION</th>
<th>COMBAT RANGE</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,000 naut. mi.RAD knots avg.</td>
<td>3,380 naut. mi. 20,000 knots avg.</td>
<td>291 knots at S. I. ft. 298 knots at 10,000 ft.</td>
</tr>
<tr>
<td>6.5 hrs/10,000 Ft. Time 7.1 hrs/20,000 Ft.</td>
<td>- - hours</td>
<td>293 knots at 20,000 ft.</td>
</tr>
</tbody>
</table>

#### CLIMB

- **1,160 ft./min.**
  - Sea Level, T. O. wt.
  - Normal Power*

- **1,670 Ft./Min.**
  - Sea Level, T. O. wt.
  - Normal Power**

### CEILING

- 13,500 ft.
- 100 ft./min., T. O. wt.
- Normal Power*
- 18,300 Ft.
- 500 Ft./Min Combat Wt.
- Normal Power*

### TAKE OFF

- 3,300 Ft. - Calm
- No Assist.
- Military Power-All Eng.
- 4,850 - Calm
- Over 50' obstacle
- Military Power-All Eng.

### LOAD

- Fuel 10,200 gal.
- Fixed 10,200 drop.

### WEIGHTS

- Empty - - lbs.
- Combat 148,500 lbs.
- Take-off 175,000 lbs.

### STALLING SPEED

- 122.8 knots
- Flaps down, T. O. wt.

### TIME TO CLIMB

- - ft. in - - min.
- Combat Wt., Max. Power

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### NOTES

**PERFORMANCE BASIS:** Contractor’s estimates and calculations not substantiated by BUAR.

* Jets Inoperative
** Jets Operating at Normal Rated Power

2 Westinghouse Turbojet J34-WE-36

<table>
<thead>
<tr>
<th>RPM</th>
<th>Thrust</th>
<th>ALT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>T.O.</td>
<td>17,500</td>
<td>1700</td>
</tr>
<tr>
<td>MIL</td>
<td>17,000</td>
<td>1300</td>
</tr>
<tr>
<td>NORM</td>
<td>11,900</td>
<td>3,000</td>
</tr>
</tbody>
</table>

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15 July 1956