CHARACTERISTICS SUMMARY

RECONNAISSANCE AIRPLANE A3D-2Q

WING AREA 779 Sq. Ft.  LENGTH 76.4 Ft.
WING SPAN 72.5 Ft.  HEIGHT 23.4 Ft.

<table>
<thead>
<tr>
<th>AVAILABILITY</th>
<th>PROCUREMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUMBER AVAILABLE</td>
<td>NUMBER DELIVERED IN FISCAL YEARS</td>
</tr>
<tr>
<td>ACTIVE</td>
<td>RESERVE</td>
</tr>
</tbody>
</table>

STATUS

- First Flight: December, 1958
- First Fleet Delivery: November, 1959

ENGINES

(2) Pratt & Whitney J57-P-10
  Thrust
  Maximum: 10,500 Lb.
  Military: 10,500
  Normal: 9,000
  JATO: 5534500 Units

FEATURES

- Carrier Operating Features
- Electronic Countermeasure equipped for search of enemy radar
- Inflight Refueling Capability

ARMAMENT

GUNS/AMM.
- 2-20mm (M3)/500 rds. per gun.
- Tail Turret System Aero 21B
## CHARACTERISTICS SUMMARY

**BASIC MISSION**

- **A3D-2Q**

- **43,200 Ft.**
- **35,000 Ft.**
- **39,200 Ft.**
- **39,100 Ft.**
- **40,800 Ft.**

**HIGH ALTITUDE RECONNAISSANCE RADIUS**

### PERFORMANCE

<table>
<thead>
<tr>
<th><strong>COMBAT RADIUS</strong></th>
<th><strong>COMBAT RANGE</strong></th>
<th><strong>SPEED</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1162 nautical miles at 459 knots average speed in 5.1 hours</td>
<td>2365 nautical miles at 459 knots average speed in 5.0 hours</td>
<td>510 knots at 35,000 Ft. 491 knots at 40,000 Ft. Combat Weight Military Thrust</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>CLIMB</strong></th>
<th><strong>CEILING</strong></th>
<th><strong>TAKE OFF</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>4910 fps at sea level Take-Off Weight Military Thrust</td>
<td>SERVICE: 38,600 Ft. 100 fps Rate of Climb Take off Weight Military Thrust</td>
<td>4700 Ft., Full Flaps, No Wind, No JATO</td>
</tr>
<tr>
<td>6050 fps at sea level Combat Weight Military Thrust</td>
<td>COMBAT: 40,900 Ft. 500 fps Rate of Climb Combat Weight Military Thrust</td>
<td>6580 Ft. to Clear 50-Ft. Obstacle. Full Flaps, No Wind, No JATO</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>LOAD</strong></th>
<th><strong>WEIGHTS</strong></th>
<th><strong>STALLING SPEED</strong></th>
<th><strong>TIME TO CLIMB</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic Countermeasures Equipment and Four Operators (1894 Lb.) Fuel 4412 gal. (JP-5)</td>
<td>Empty 41,193 Lb. Landing 47,691 Lb. Combat 62,483 Lb. Take-Off 74,483 Lb.</td>
<td>133.5 knots Take Off Weight Power Off</td>
<td>30,000 Ft. in 9.6 min. Take Off Weight Military Thrust</td>
</tr>
</tbody>
</table>

### NOTES

Performance is derived from NATC and Contractor's Flight Test of the Model A3D-2 and -2Q. Range and Radii based on Flight Test Fuel Consumptions.