Characteristics Summary

DRONE .............. XQ-10

Wing Area .................. 18.6 sq ft Length ...................... 11.3 ft
Span .......................... 11.5 ft Height ...................... 3.4 ft

**AVAILABILITY**

<table>
<thead>
<tr>
<th>Number available</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTIVE</td>
</tr>
</tbody>
</table>

**PROCUREMENT**

<table>
<thead>
<tr>
<th>Number to be delivered in fiscal years</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**STATUS**

The vehicle is being developed under Contract AF-25933 for the purpose of investigating the feasibility of using plastic fiberglass laminates to replace aluminum as a major structural material in missiles and aircraft. The design is similar to the QQ-19D drone except that the configuration has been changed to more advantageously utilize the plastic laminate materials.

Navy Equivalent: None

Mfr's Model: RP-62

**POWER PLANT**

(1) O-100-1 (Modified) McCulloch

BHP - RPM SL MIN

T.O: *72 - 4400 - SL Cont

Nor: *72 - 4400 - SL Cont

* Engine operates at full throttle at all times.

**FEATURES**

Remotely controlled aerial target for automatic weapons training.
Basic QQ-19D adapted to plastic construction.
Completely cowled engine.
Flush type antenna.
Air-launched or ground-launched from A-2 launcher.
Recoverable thru parachute deployed from aft of vehicle; impact absorbed by internal keel.
Fuel consists of a 10 to 1 ratio of Gasoline and Oil.

Max Fuel Capacity: 11.6 gal

**GUIDANCE**

RADIO
Transmitter ... AN/URW-3
Receiver .................
........ R-196D/ARW-26Y

CONTROL
Aileron Gyro-Servo
System .............. E-15A
Elevator Servo........... D-7
## PERFORMANCE

<table>
<thead>
<tr>
<th>ENDURANCE</th>
<th>RANGE</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>naut mi.</td>
<td>with lb payload</td>
<td>CRUISE knots at ft alt, power</td>
</tr>
<tr>
<td>at knots avg.</td>
<td>at hours</td>
<td>MAX knots at ft alt, power</td>
</tr>
<tr>
<td>in hours</td>
<td></td>
<td>MIN knots at ft alt, power</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LAUNCHING</th>
<th>CLIMB</th>
<th>ALTITUDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>sea level, launching wt., max power</td>
<td>fpm ft alt, begin cruise wt., max power</td>
<td>Begin Cruise ft.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>End Cruise ft.</td>
</tr>
</tbody>
</table>

### LOAD WEIGHTS TARGET ACCURACY

<table>
<thead>
<tr>
<th>Fuel: protected droppable external</th>
<th>Empty lb</th>
<th>End Cruise lb</th>
<th>Launch lb</th>
<th>Limited by</th>
</tr>
</thead>
</table>

### NOTES

1. PERFORMANCE BASIS:
   (a) Data will be supplied when available.

2. REVISION BASIS: Initial Issue