Characteristics Summary

**DRONE ............ 0Q-19D**

**Wing Area ............... 18.7 sq ft**
**Length ...................... 12.3 ft**
**Span  ...................... 11.5 ft**
**Height ...................... 2.7 ft**

### AVAILABILITY

<table>
<thead>
<tr>
<th>Number available</th>
<th>ACTIVE</th>
<th>RESERVE</th>
<th>TOTAL</th>
</tr>
</thead>
</table>

### PROCUREMENT

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

### STATUS

1. Design Initiated: Oct 49
2. First Ground Launched Flight: Apr 50
3. First Air Launched Flight: Aug 50
4. First Delivery: Oct 50

Navy Equivalent: None

Mfr's Model: None

### POWER PLANT

(1) 0-100-1
McCulloch

**THRUST RATINGS**

<table>
<thead>
<tr>
<th>BHP-RPM-</th>
<th>SL - MIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>T.O:</td>
<td>4100</td>
</tr>
<tr>
<td>Nor:</td>
<td>4100</td>
</tr>
</tbody>
</table>

*Engine operates at full throttle at all times.*

### FEATURES

- Designed for Anti-aircraft Gunnery
- Keel Aligning Gear
- Integral Flotation System
- Fuel Consists of a 10 to 1 Ratio of Gasoline and Oil
- Max Fuel Cap: 11.3 gal

### GUIDANCE

**RADIO**
Transmitter ... AN/URW-3
Receiver ... AN/ARW-26AY

**CONTROL**
Control System ... RPS-1
Aileron Gyro System E16A
Elevator Servo ...... D-7

### RECOVERY

- 38 ft Nylon Parachute
- 350 lb Test Suspension Lines
- Rate of descent is approximately 20 fps at 4000 ft alt. at a drone weight of 300 lb.
- Ground release is automatic
## Characteristics

**Basic Mission**

- **Endurance**: 64.6 minutes at sea level or 93.9 min @ 10,000 ft (incl. climb)
- **Range**: 190 naut mi.
- **Speed**:
  - **Max**: 179 knots at sea level, max power
  - **Min**: 54 knots at sea level, max power

### Performance

<table>
<thead>
<tr>
<th>Endurance</th>
<th>Range</th>
<th>Speed</th>
</tr>
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<tbody>
<tr>
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<td></td>
<td></td>
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</tr>
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</table>

### Launching

- **Ground**: Type A-7 Catapult with ATO unit mounted on rocket car or Model A-2 Rotary Launcher Air
- **Air**: Suspended and launched from B-26C aircraft

### Climb

- **3540 fpm** at sea level, launching wt., max power
- **2200 fpm** at 10,000 ft max power

### Altitude

- S.L. to 20,000 ft (avg. operating range)

### Load Weights

- **Empty**: 250 lb
- **Launch**: 319 lb

### Target Accuracy

Determined by visibility limitations for in-sight control

### Notes

1. Performance Basis:
   (a) Estimated data

2. Revision Basis: To reflect latest characteristics and performance data