Characteristics Summary

DRONE ............... Q-2A

FIREBEE

RYAN

Wing Area ............ 27.0 sq ft
Length ................ 17.3 ft
Span .................. 11.3 ft
Height ................ 5.8 ft

AVAILABILITY

Number available
ACTIVE  RESERVE  TOTAL

PROCUREMENT

Number to be delivered in fiscal years

STATUS

1. Date of Contract: 26 Apr 54
2. First Flight Date: May 55
3. First Acceptance: Aug 55
4. First Service Use: Jan 56
5. Production Completion: Continuing

Navy Equivalent: KDA-1

Mfr's Model: 61

POWER PLANT

(1) J69-T-19A
Continental

ENGINE RATINGS

S.L.S. LB - RPM - MIN
Max: 1000 - 21,250 - 5
Mil: 1000 - 21,250 - 30
Nor: 795 - 29,000 - Cont

FEATURES

Two-axis Automatic Pilot
Direction Trim Control
Two-stage Parachute-Re-
covery System
Air Launch From S-3 Bomb
Shackles
Flight Termination Safety
Device
Automatic Parachute Release
On Landing
Radar Beacon

Max Fuel Capacity; 100 gal

GUIDANCE

Type .......... Radar (Out-of
Sight)
Method .......... Ground Control
Station
Nomenclature: AN/APW-11A
Command Control
Beacon
Mfr .......... Emerson or Espey
Frequency ....... "S" Band-
(2700 to 3000 mc)
No. of Channels .......... 14

4 SEP 56
### Performance

<table>
<thead>
<tr>
<th>Endurance</th>
<th>Range</th>
<th>Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.8 hours at 40,000 ft alt plus 0.2 hours for climb from 15,000 ft to 40,000 ft, mil power</td>
<td>Not Applicable</td>
<td>CRUISE 500 knots at 40,000 ft alt, mil power</td>
</tr>
<tr>
<td>Max 524 knots at ft alt, mil power</td>
<td>Min 15 knots at ft alt, power</td>
<td></td>
</tr>
</tbody>
</table>

### Launching

Air launch from wings or bomb bay of B-26 launch aircraft.

### Climb

5300 fpsm 15,000 ft alt launching wt., mil power

### Altitude

1200 fpsm ft alt, begin cruise wt., mil power

### Load Weights Target Accuracy

| Payload: None | Empty 1150 lb | End Cruise 1150 lb |
| None | Launch 1816 lb |

### Notes

1. PERFORMANCE BASIS:
   (a) Specification Requirements

2. REVISION BASIS: To revise Status, Power Plant and Guidance blocks.