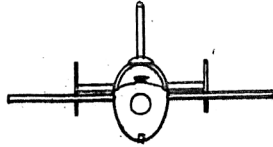


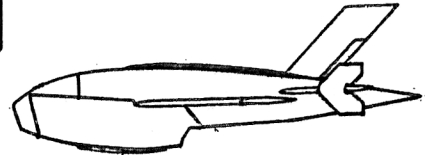
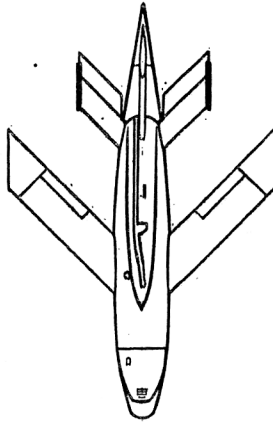
UNCLASSIFIED

Characteristics Summary

DRONE Q-2A



FIREBEE



RYAN

Wing Area 27.0 sq ft Length 17.3 ft
 Span 11.2 ft Height 5.8 ft

AVAILABILITY			PROCUREMENT			
Number available			Number to be delivered in fiscal years			
ACTIVE	RESERVE	TOTAL				

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-Recovery System
- Air Launch From S-3 Bomb Shackles
- Flight Termination Safety Device
- Automatic Parachute Release On Landing
- Radar Beacon

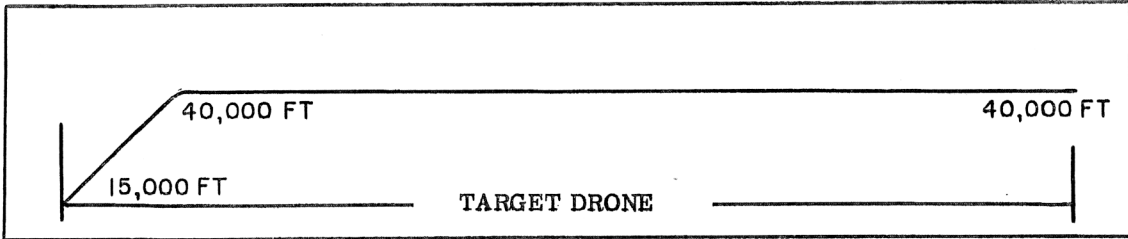
Max Fuel Capacity; 100 gal

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

There is a duplicate for the date. Revised to add characteristics and performance data for food configuration 17 Sep 57

Characteristics Summary Design Mission Q-2A



PERFORMANCE		
ENDURANCE	RANGE	S P E E D
0.8 hours at 40,000 ft. alt plus 0.2 hours for climb from 15,000 ft to 40,000 ft, mil power	Not Applicable	CRUISE 500 knots at 40,000 ft alt, mil power MAX 524 knots at ft alt, mil power MIN knots at ft alt, power
LAUNCHING	CLIMB	ALTITUDE
Air launch from wings or bomb bay of B-26 launch aircraft.	5300 fpm 15,000 ft alt launching wt., mil power	Launch 15,000 ft Climb to 40,000 ft End Cruise 40,000 ft
	1200 fpm ft alt, begin cruise wt., mil power	
L O A D	W E I G H T S	TARGET ACCURACY
Payload: None Fuel: (JP-4) 100 gal	Empty 1150 lb End Cruise 1150 lb Launch 1816 lb	Not Applicable

N O T E S
1. PERFORMANCE BASIS: (a) Specification Requirements 2. REVISION BASIS: To revise Status, Power Plant and Guidance blocks..