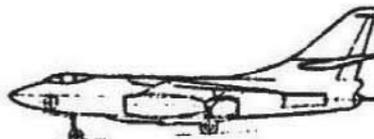
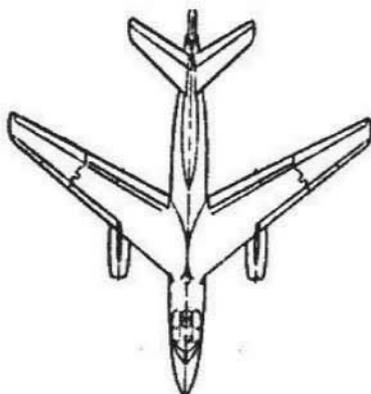


CHARACTERISTICS SUMMARY

HIGH ALTITUDE RECONNAISSANCE

A3D-1Q

DOUGLAS "SKY RAIDER"



WING AREA 779 Sq. Ft.
WING SPAN 72' - 6"

LENGTH 75' - 11"
HEIGHT 23' - 11"

AVAILABILITY			PROCUREMENT			
NUMBER AVAILABLE			NUMBER DELIVERED IN FISCAL YEARS			
ACTIVE	RESERVE	TOTAL				

STATUS

First Flight August 1955
Service Use (FIP) 18 January 1956
Five A3D-1 aircraft (BuNos 130356, 130360, 130161, 130362 and 130362) were modified, after delivery, to A3D-1Q configuration.

ENGINES

2 P&W J57-P-6

	<u>LBS</u>	<u>RPM</u>	<u>ALT</u>
T.O.	10000	9900	SSL
MIL.	9500	9800	SSL
NORM.	8250	9550	SSL

Eng. Spec. N-1671-E

FEATURES

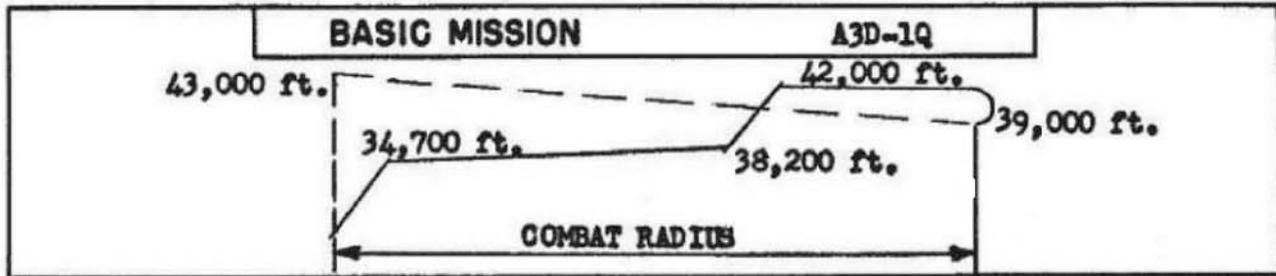
CREW - 7
Wing and tail fold
Single slotted wing
flaps
Leading edge slats
Power boost controls
Pressurized cabin
4,506 gallons fuel,
Maximum capacity

ARMAMENT

1-Aero 21B Tail Turret
System
2-20mm (M-3) guns
1,000 yds

Counter Measure
Equipment
KD 2 and 3 cameras

CHARACTERISTICS SUMMARY



PERFORMANCE

COMBAT RADIUS	COMBAT RANGE	SPEED
1,210 naut. mi. 455 knots avg. Mission Time 5.36 hrs. Mission: Search, High Alt. Reconnaissance	2,445 naut. mi. 455 knots avg. hours	533 knots at Sea Level 524 knots at 25,000 ft. 509 knots at 35,000 ft. Combat Weight Maximum Power
CLIMB	CEILING	TAKE OFF
4,410 ft./min. Sea Level, T. O. wt. Maximum Power	39,000 ft. 100 ft./min., T. O. wt. Maximum Power	4,260 ft. - Calm 2,850 ft. - 25 Kn. Wind
5,465 ft./min. Sea Level, Combat wt. Maximum Power	41,400 ft. 500 ft./min. Combat wt. Maximum Power	6,640 ft. - Calm (Clear 50 ft. obstacle)
LOAD	WEIGHTS	STALLING SPEED
Fuel 4,281* gal. fixed 4,281*drop *JP-5	Empty 37,242 lbs. Combat 58,355 lbs. Take-off 70,000 lbs.	129.5 knots Power Off Flaps down, T. O. wt.
		TIME TO CLIMB
		35,000 ft. in 10.1 min. Combat Wt., Max. Power

NOTES

PERFORMANCE BASIS: Preliminary flight test data.
 Combat range and radius are based on engine specification fuel consumption data increased by 5%.