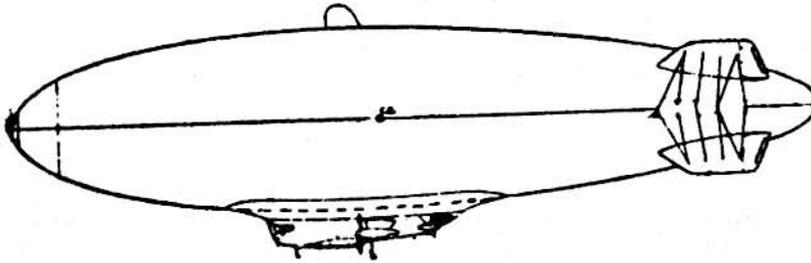


CHARACTERISTICS SUMMARY

EARLY WARNING AIRSHIP

ZPG-3W



ENVELOPE VOL. (Approx.) 1,465,000 cu. ft.
 WIDTH 85'

LENGTH 386'
 HEIGHT 117'

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

STATUS

Mock-Up - - - - - November 1955
 First Flight - - - - - June 1957 (EST.)
 Service Use - - - - - December 1957 (EST.)

ENGINES	
(2) Wright R-1820-88	
	<u>BHP</u>
T.O.	1,525
MIL.	1,425
NORM.	1,275

FEATURES

Crew - 21
 Improved ZPG-2W with increased car strength-improved electronics for AEW and larger envelope.

Designed to refuel at sea.

ELECTRONICS

APS-70 Search Radar (w/40' by 6' antenna)
 AN/APA-113 Indic.
 AN/APS-62 Height Countermeasures
 IFF
 Navigation

NAVAER 1519 A (REV. 1-49)

CHARACTERISTICS SUMMARY

BASIC MISSION
ZPG-3W
ENDURANCE:
WARM-UP, TAKE-OFF, CLIMB: 10 Min. NRP at Sea Level.

CRUISE: 80 hours at 35 knots airspeed at 5,000 ft.

RESERVE: 10% of initial fuel load.

PERFORMANCE

MAX. ENDURANCE	COMBAT RANGE	SPEED
80 hours	-- naut. mi.	82 knots at 5000 ft. (equilibrium)
35 knots avg.	-- knots avg.	knots at ft.
	-- hours	80 knots at 5000 ft. 10,500 lbs. heavy Military Power
CLIMB	CEILING	TAKE OFF
2,400 ft./min. Sea Level, T. O. wt. 70% N.R. Power	Operational 5000 ft.	2,350' to clear 50' obstacle - calm (10,500 lbs. heavy)
FUEL	WEIGHTS	STALLING SPEED
Fuel gal.	Empty 71,080 lbs.	-- knots
Envel. Tanks (2) 2100gal.	Static 10,500 lbs.	Flaps down, T. O. wt.
Slip Tanks (5) 1275gal.	Heaviness	TIME TO CLIMB
Car Tanks (2) 825gal.	Take-off 93,100 lbs.	-- ft. in min.
		Combat Wt., Max. Power

NOTES

Performance basis: Contractors calculation not substantiated by BUAER.
Range and radius based on engine specification fuel consumption data
for single engine operation increased by 5%.

(1) Envelope fullness - 86.2%; 3.5% envelope stretch.

NAVAER-1519B (Rev. 10-51)