

Y. T.G. Alt

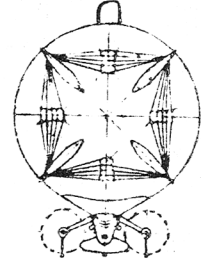
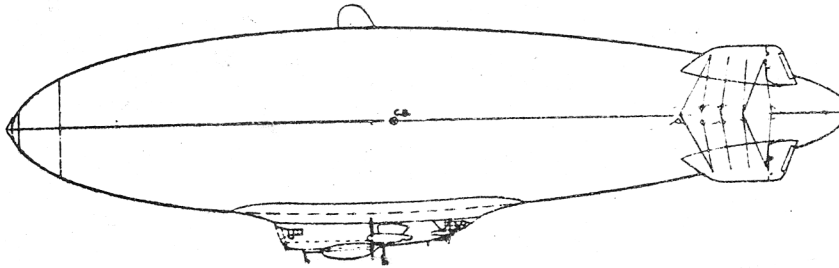
ON 19 Feb 2000

# CHARACTERISTICS SUMMARY

EARLY WARNING AIRSHIP

ZPG-2W

GOODYEAR



VOLUME 975,000 cu. ft.

LENGTH 342' -7"

WIDTH 75' -5"

HEIGHT 107' -3"

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

## STATUS

Mock-up - - - - - May 1953  
 First flight - - - - - February 1955  
 Service Use - - - - - December 1955

### ENGINES

2 WAC R-1300-2A

	BHP	RPM	ALT
T.O.	800	2600	SL-3500'
MIL.	800	2600	SL-3500'
NORM.	700	2400	SL-5000'

T.O. limited to 5 min.  
 MIL limited to 30 min.

### FEATURES

Crew - 21  
 Designed to refuel at sea.  
 Complete electronic equipment for early warning operations.

### ELECTRONICS

Searchlight...AN/AVQ-2  
 HT. Find. Radar AN/APS-62  
 Radar Ind....AN/APA-113  
 Search Radar AN/APS-20B  
 or E  
 Plus ECM and other electronics equip.

NAVAER 1519 A (REV. 1-49) 51 35807

**CHARACTERISTICS SUMMARY**

**BASIC MISSION**

ZPG-2W

Endurance

Warm-up, take-off, and climb: 10 min. at normal rated power at S.L.  
 Cruise: 1. 8 hours at 50 knots at 1,000 ft.  
 2. Patrol at 35 knots at 3,000 ft.  
 3. 8 hours at 40 knots at 3,000 ft.  
 Reserve: 10% of initial fuel load.

**PERFORMANCE**

MAX. ENDURANCE		COMBAT RANGE		SPEED	
55.7	naut. mi.	1930	naut. mi.	70 knots at S.L.	ft.
38	knots avg.	40	knots avg.	equilibrium condition	
S.L.	altitude	S.L.	altitude	69 knots at S.L.	ft.
		6000 lbs. heavy		6000 lbs. heavy Normal Power	
CLIMB		CEILING		TAKE OFF	
	ft./min.	Operational 3,000 ft.		1850 ft. - calm over 50 ft. obstacle	
Sea Level, T. O. wt. Power		Pressure height - 1,000 ft.			
LOAD		WEIGHTS		STALLING SPEED	
Fuel	1672 gal.	Empty	47,700 lbs.	knots	
fixed	1280 drop	Static		Flaps down, T. O. wt.	
	392	Heaviness	6,000 lbs.	TIME TO CLIMB	
		Take-off	66,800 lbs.	ft. in min.	
				Combat Wt., Max. Power	

**NOTES**

Performance basis: Calculations.  
 Range and endurance are based on engine specification fuel consumption data for single engine operation increased by 5%.  
 Performance based on 97.1% gas fullness, helium lifting .062 lb/cu.ft. at sea level.  
 Maximum speed refers to 100% normal rated power and no electrical load.

NAVAER-1519B (Rev. 10-51)