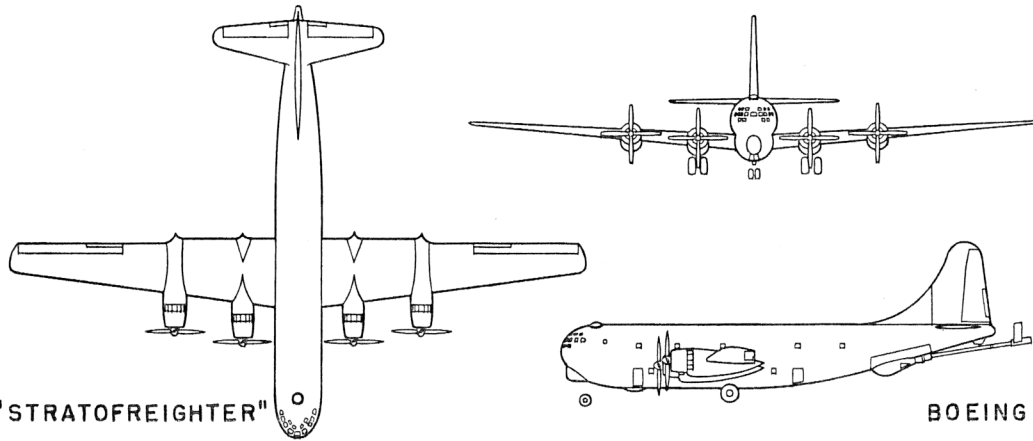


# Characteristics Summary

TANKER . . . . . KC-97E



Wing Area . . . . . 1768.7 sq ft      Length . . . . . 117.4 ft  
 Span . . . . . 141.2 ft      Height . . . . . 38.3 ft  
 Height (Fin folded) . . . . . 26.6 ft

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

## STATUS

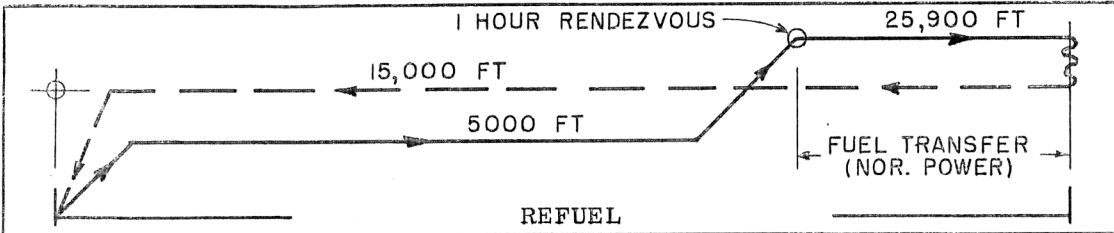
1. Definitive Contract: Jan 51
2. First Flight: Jun 51
3. First Acceptance: Jul 51
4. Production Completed: Mar 52

Navy Equivalent: None

Mfr's Model: 367-4-29

POWER PLANT	FEATURES	PERSONNEL
(4) R-4360-65 Pratt & Whitney  ENGINE RATINGS  BHP-RPM-ALT-MIN T.O: *3500-2700-S.L. - 5  Mil: *3500-2700- 500 -30 3250-2700- 1000 -30  * Wet Note: Increased altitude performance is available through use of external turbo supercharging	Removable AFR Equipment  Fuselage Pressurization  Folding Fin & Rudder  Reverse Pitch Props  Rendezvous Radar  AFR "Flying Boom" System  Cargo Conversion Kit (prov)     Max Fuel Capacity: 14,990gal (incl AFR tanks)	Crew (normal) .....6  Pilot Co-pilot Navigator Radio Operator Flight Engineer Boom Operator

*Characteristics Summary Basic Mission* ..... KC-97E



PERFORMANCE		
COMBAT RADIUS	FERRY RANGE	S P E E D
1000 naut. mi with 43,896 lb payload at 202 knots avg. in 10.3 hours.	5788 naut. mi with 14,316 gal fuel at 191 knots avg. in 30.3 hours at 175,000 lb T.O. wt.	COMBAT 331 knots at 25,900 ft alt, max power MAX 331 knots at 26,000 ft alt, max power BASIC 279 knots at 5000 ft alt, max power
C L I M B	C E I L I N G	T A K E - O F F
555 fpm sea level, take-off weight normal power	22,500 ft 100 fpm, take-off weight normal power	ground run 6500 ft   — ft no assist   assisted
2420 fpm sea level, combat weight maximum power	33,050 ft 500 fpm, combat weight maximum power	over 50 ft height 8150 ft   — ft no assist   assisted
L O A D	W E I G H T S	S T A L L I N G S P E E D
Transfer fuel: 43,896 lb  Fuel: 7000 gal protected 0 % croppable 0 % external 0 %	Empty..... 83,987 lb Combat... 102,205 lb Take - off 175,000 lb limited by strength	108 knots power-off, landing config- uration, take-off weight <b>TIME TO CLIMB</b> _____

**N O T E S**

1. Performance Basis:  
 (a) Flight Test  
 (b) Maximum power is the same as normal power above 6500 ft.

2. Revision Basis: To revise security classification, power plant designation and guaranteed engine ratings.