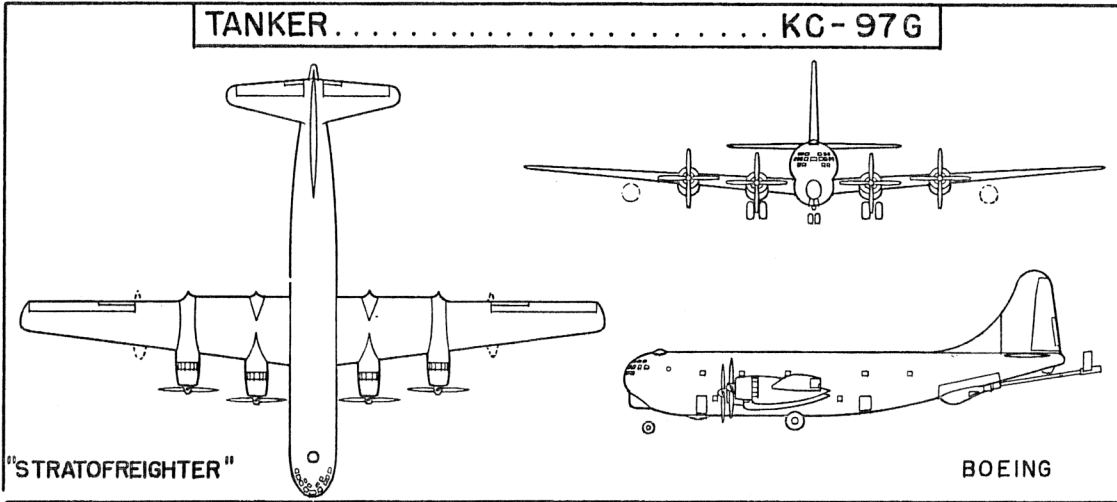


*Tuplicate in
Black Book
8/28/58*

Characteristics Summary

TANKER..... KC-97G



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				

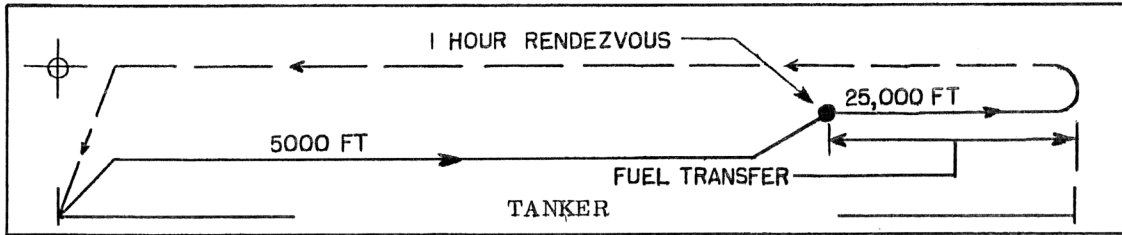
STATUS	
1. Similar to the KC-97F except for installation of external wing drop tanks and small diameter AFR tanks on the upper and lower decks, deletion of radio operator's station, changes in electronic equipment and other minor changes. Navy Equivalent: None	2. Contract Approved: Aug 52 3. Mock-up: Mar 52 4. First Flight: May 53 5. First Acceptance: May 53 Mfr's Model: 367-76-66

POWER PLANT
(4) R-4360-59B Pratt & Whitney
ENGINE RATINGS
BHP - RPM - ALT-MIN
T.O: *3500-2700- 500 -5
Mil: *3500-2700- 500 -30 3250-2700-1000 -30
Nor: 2650-2550- 5500 -Cont
*Wet
Note: Increased altitude performance is available through use of external turbo-supercharging

FEATURES
May be used as a limited cargo and/or troop transport without removing the AFR equipment.
May be converted to a cargo transport by removing the AFR equipment and installing conversion kit.
Small Dia AFR Tanks (15)
External Wing Drop Tanks
Rendezvous Radar
Single-Point Refueling
Fuselage Pressurization

GENERAL
Crew (normal) 5
Trans. Fuel (gal) ... 8513 or
Troops 63
Litters None or
Cargo (max)... *57,500 lb
Main Compartment:
Volume 3331 cu ft
Floor Area ... 416 sq ft
*Limited by strength
Max Fuel Cap: ... 15,093 gal (Incl. AFR fuel)

Characteristics Summary Basic Mission KC-97G



PERFORMANCE		
COMBAT RADIUS	FERRY RANGE	SPEED
1000 naut. mi with 40,700 lb payload at 222 knots avg. in 9.4 hours.	4289 naut. mi with 11,640 gal fuel at 211 knots avg. in 20.7 hours at 175,000 lb T.O. wt.	COMBAT 311 knots at 24,500 ft alt, max power MAX 326 knots at 26,000 ft alt, max power BASIC 278 knots at 5000 ft alt, max power
CLIMB	CEILING	TAKE-OFF
540 fpm sea level, take-off weight normal power	21,500 ft 100 fpm, take-off weight normal power	ground run 6500 ft — ft no assist assisted
2340 fpm sea level, combat weight maximum power	30,000+ft 500 fpm, combat weight maximum power	over 50 ft height 8150 ft — ft no assist assisted
LOAD	WEIGHTS	STALLING SPEED
Transfer Fuel: . . . 40,700 lb Fuel: 7013 gal protected 0 % droppable (Note 2) % external (Note 2) %	Empty..... 84,835 lb Combat... 105,780 lb Take - off 175,000 lb limited by strength	108 knots power-off, landing config- uration, take-off weight
		TIME TO CLIMB

- N O T E S**
- Performance Basis:
 - Flight Test
 - Max power same as normal power above 7800 ft
 - 1382 gal of transfer fuel may be carried in external droppable tanks.
 - Revision Basis: To revise security classification and guaranteed engine ratings.