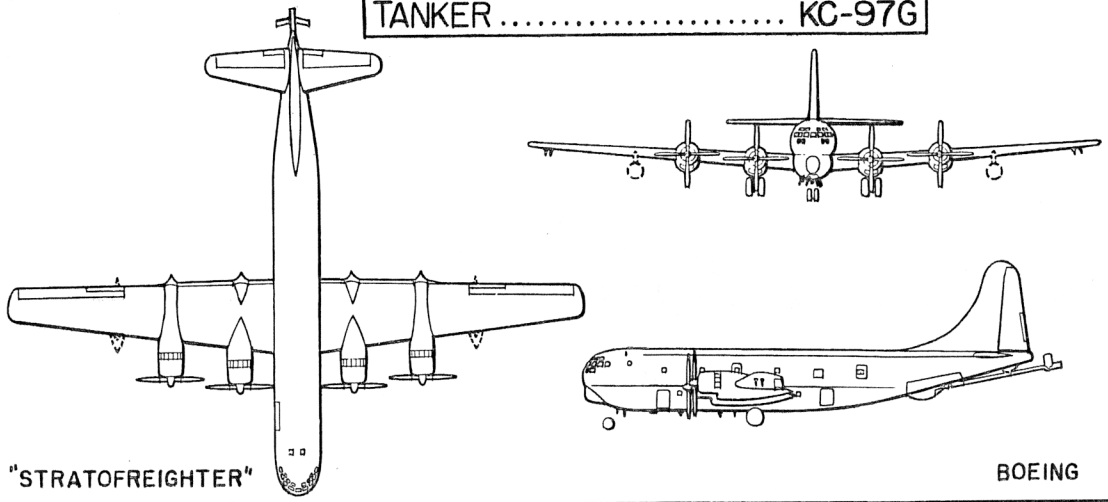


Characteristics Summary

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

THIS SUPPLEMENTAL SUMMARY REFLECTS THE CARGO - TRANSPORT CAPABILITIES OF THE KC-97G (TANKER) WITH THE SMALL DIAMETER AFR TANKS AND ASSOCIATED AFR EQUIPMENT INSTALLED.

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

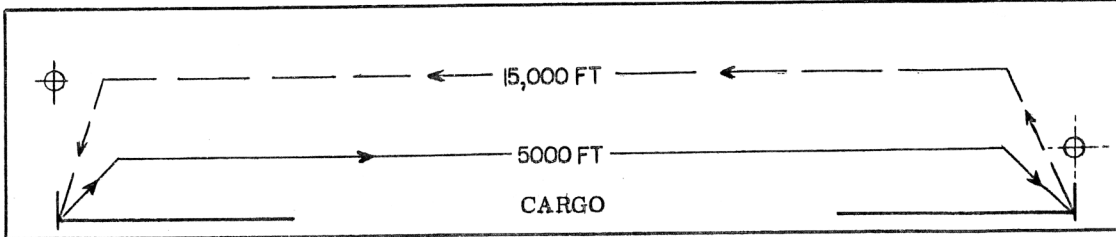
Crew (normal) 5
Trans.Fuel (gal) .. 8513
or
Troops 63
Litters None
or
Cargo (max) .. *57,500 lb
Main Compartment:
Volume ... 3331 cu ft
Floor Area .. 416 sq ft
*Limited by strength
Max Fuel Cap: .. 15,093 gal
(Incl. AFR fuel)

Duplicate in Black Book
25 Duplicates

S U P P L E M E N T A L
U N C L A S S I F I E D

SERVICE

Characteristics Summary Basic Mission KC-97G



P E R F O R M A N C E		
C O M B A T R A D I U S	C O M B A T R A N G E	S P E E D
1000 naut. mi with 47,990 lb payload at 200 knots avg. in 10.0 hours.	1813 naut. mi with 47,990 lb payload at 200 knots avg. in 9.1 hours	COMBAT 295 knots at 15,000 ft alt, max power MAX 325 knots at 26,000 ft alt, max power BASIC 278 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
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
2300 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
L O A D	W E I G H T S	S T A L L I N G S P E E D
Cargo: 47,990 lb Fuel: 5881 gal protected 0 % droppable 0 % external 0 %	Empty..... 84,835 lb Combat... 107,010 lb Take - off 175,000 lb limited by strength	108 knots power-off, landing config- uration, take-off weight
		T I M E T O C L I M B

N O T E S

1. Performance Basis:
 (a) Flight test
 (b) Max power same as normal power above 7800 ft.

2. Revision Basis: To revise security classification and guaranteed engine ratings.

KC-97G

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