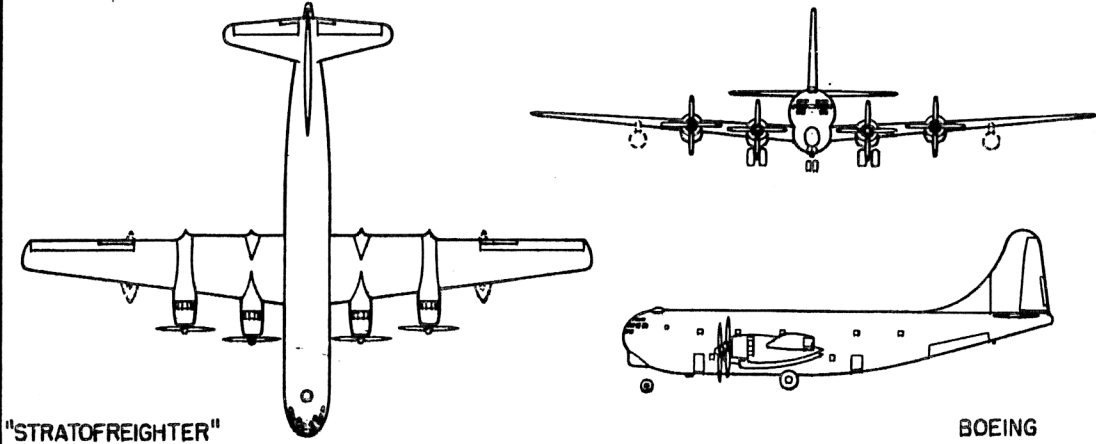


# Characteristics Summary

**TANKER (CARGO VERSION) . . . . . KC-97G**



"STRATOFREIGHTER"

**BOEING**

Wing Area . . . . .	1768.7 sq ft	Length . . . . .	110.3 ft
Span . . . . .	141.2 ft	Height . . . . .	38.3 ft
		Height (Fin folded) . . . . .	26.6 ft

### AVAILABILITY

### P R O C U R E M E N T

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

### S T A T U S

- |  |                              |
|--|------------------------------|
| 1. Same as the KC-97F except for installation of wing drop tanks, deletion of radio operator's station, changes in electronic equipment and other minor changes. | 3. Contract Approved: Aug 52 |
| 2. Design Initiated: Jun 51  | 4. Mock-Up: Mar 52           |
|  | 5. First Flight: May 53      |
|  | 6. First Acceptance: May 53  |

Navy Equivalent: None

Mfr's Model: 367-76-66

### P O W E R P L A N T

(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

### F E A T U R E S

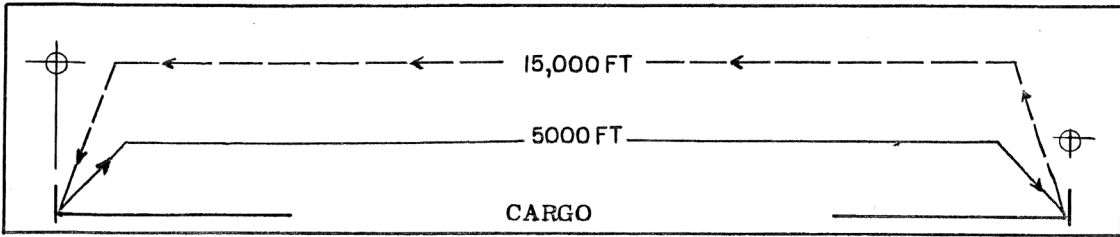
Fuselage Pressurization  
External Wing Drop Tanks  
Folding Fin & Rudder  
Reverse Pitch Props  
Cargo Hoist System  
Single-Point Refueling  
Double Deck Type Fuselage  
Integral Loading Ramp  
  
Max Fuel Cap: . . . 9172 gal

### G E N E R A L

Crew (normal) . . . . . 4  
Troops . . . . . 96  
or  
Litters . . . . . None  
or  
Max Cargo . . . \*64,000 lb  
Main Compt:  
Volume . . . . 4309 cu ft  
Floor Area . . . 559 sq ft  
Lower Compt:  
Volume . . . . 1818 cu ft  
Floor Area . . . 257 sq ft  
\*Limited by strength

*To Applicant's in Black*

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



<b>P E R F O R M A N C E</b>		
<b>C O M B A T R A D I U S</b>	<b>C O M B A T R A N G E</b>	<b>S P E E D</b>
1000 naut. mi with 55,510 lb payload at 194 knots avg. in 10.4 hours.	1758 naut. mi with 55,510 lb payload at 202 knots avg. in 8.7 hours	COMBAT 296 knots at 15,000 ft alt, max power MAX 328 knots at 26,000 ft alt, max power BASIC 279 knots at 5000 ft alt, max power
<b>C L I M B</b>	<b>C E I L I N G</b>	<b>T A K E - O F F</b>
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
2535 fpm sea level, combat weight maximum power	30,000 <sup>+</sup> ft 500 fpm, combat weight maximum power	over 50 ft height 8150 ft   — ft no assist   assisted
<b>L O A D</b>	<b>W E I G H T S</b>	<b>S T A L L I N G S P E E D</b>
Cargo: ..... 55,510 lb  Fuel: 5719 gal protected 0 % droppable 0 % external 0 %	Empty..... 78,010 lb Combat... 99,490 lb Take - off 175,000 lb  limited by strength	108 knots power-off, landing config- uration, take-off weight <b>T I M E T O C L I M B</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.