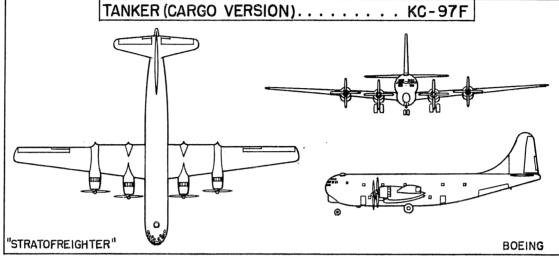
## Characteristics Summary



Wing Area ...... 1768.7 sq ft Length 110.3 ft Height 38.3 ft Span ..... 141.2 ft 26.6 ft

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

#### STATUS

- 1. Same as the KC-97E except for installation of R-4360-59B engines and other minor changes.
- This airplane is the same as the Tanker version except for removal of the refueling

equipment and installation of the cargo conversion kit.

- 3. First Flight: Feb 52
- 4. First Acceptance: Mar 52
- 5. Production Completed: May 53

Navy Equivalent: None

### Mfr's Model: 367-76-29

#### 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

2650-2550-5500 -Cont Nor:

Note: Increased altitude performance is available through use of external turbo supercharging.

#### FEATURES

Fuselage Pressurization

Thermal Anti-icing

Folding Fin & Rudder

Reverse Pitch Props

Cargo Hoist System

Single-Point Refueling

Double Deck Type Fuselage

Integral Loading Ramp

#### **GENERAL**

Crew (normal)..... Troops ... 130 Litters ..... Attendants plus orMax Cargo ... \*64,500 lb Main Compartment:

Volume .... 4309 cu ft Floor Area... 559 sq ft

Lower Compartment:

Volume . . . 1818 cu ft Floor Area . . . 257 sq ft Max Fuel Cap: . . . 7790 gal \*Limited by strength

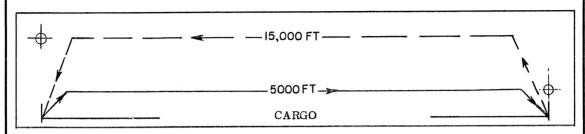
9 MAR 56

KC-97F (CARGO VERSION)

UNCLASSIFIED

Fapicest in Black

# Characteristics Summary Basic Mission ..... KC-97F



PERFORMANCE								
COMBAT RADIUS	COMBAT RANGE	SPEED						
with 57,240 lb payload at 197 knots avg. in 10.2 hours.	1731 naut. mi with 57,240 lb payload at 204 knots avg. in 8.5 hours	COMBAT 302 knots at 15,000 ft alt, max power MAX 332 knots at 26,000 ft alt, max power BASIC 284 knots at 5000 ft alt, max power						
CLIMB	CEILING	TAKE-OFF						
575 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						
2600 fpm sea level, combat weight maximum power	30,000+ft 500 fpm, combat weight maximum power	over 50 ft height  8150 ftft no assist assisted						
L O A D	WEIGHTS	STALLING SPEED						
Cargo: 57,240 lb	Empty 78,199 lb  Combat 98,510 lb	IO8 knots power-off,landing configuration,take-off weight						
Fuel: 5515 gal protected 0 % droppable 0 % external 0 %	Take - off 175,000 lb	TIME TO CLIMB						

#### S N 0 T E

- 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.