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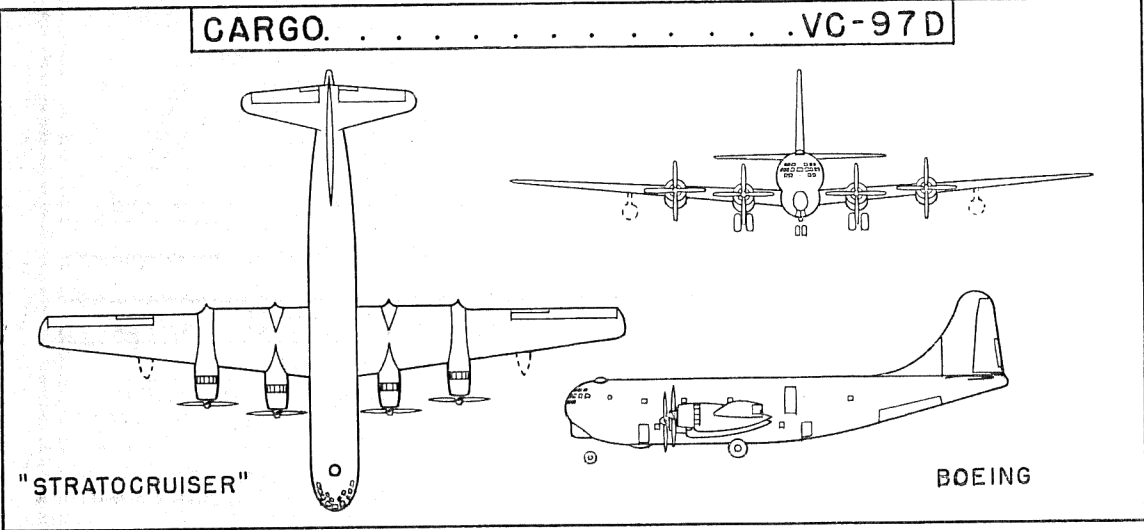
UNCLASSIFIED

SERVICE

# Characteristics Summary

CARGO . . . . . VC-97D

*There is a white copy for this date.  
Remission Basis:  
to retire from plant  
due to rotation and guarantee  
engine ratings  
9 Mar 54*



Wing Area . . . . . 1768.7 sq ft      Length . . . . . 110.3 ft  
 Span . . . . . 141.3 ft      Height . . . . . 38.3 ft

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

**S T A T U S**

- Three C-97A airplanes modified as "Command Transports"
- Modification completed

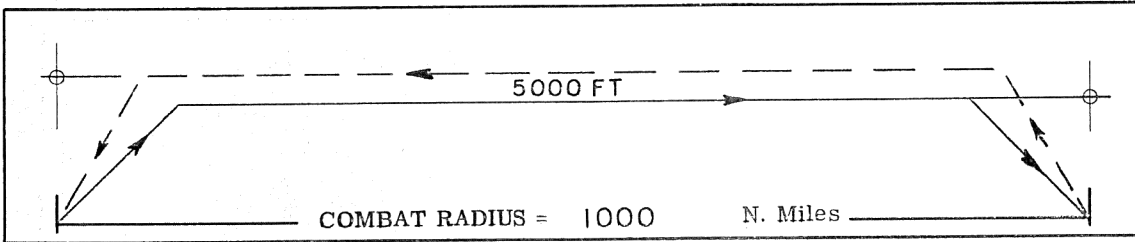
Navy Equivalent: None Mfr's Model: 377

POWER PLANT	
(4) R-4360-35A Pratt & Whitney	
ENGINE RATINGS	
BHP-RPM-ALT-MIN	
T.O: *3500-2700-Turbo- 5	3250-2700-Turbo- 5
Mil: *3500-2700-Turbo- 30	3250-2700-Turbo- 30
Nor: 2650-2550-Turbo-Cont	
*Wet	

FEATURES	
Cabin Pressurization	
Command Quarters	
Galley Equipment	
AN/APS-42 Search and Navigation Radar	
Public Address and Inter-communication System	
Wing Drop Tanks	
Reverse Pitch Props	
F-1 Auto-pilot	
Max Fuel Cap:	9174 gal

GENERAL	
Crew:	5
<b>MAIN DECK</b>	
Passengers (day):	60
or	
Passengers (berths):	40
or	
Passengers (berths):	30
and	
Passengers (seats):	21
plus	
<b>LOWER DECK</b>	
Troops:	15
or	
Litters:	4

*Characteristics Summary Basic Mission. . . . VC-97D*



<b>PERFORMANCE</b>		
<b>COMBAT RADIUS</b>	<b>COMBAT RANGE</b>	<b>S P E E D</b>
1000 naut. mi with 24,100 lb payload at 180 knots avg. in 11.2 hours.	2015 naut. mi with 24,100 lb payload at 200 knots avg. in 10.1 hours.	COMBAT 274 knots at 5000 ft alt, max power MAX 322 knots at 26,000 ft alt, max power BASIC — — 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>
990 fpm sea level, take-off weight normal power	29,600 ft 100 fpm, take-off weight normal power	ground run 3850 ft — ft no assist assisted
2255 fpm sea level, combat weight maximum power	31,000 ft 500 fpm, combat weight maximum power	over 50 ft height 4750 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: 24,100 lb	Empty..... 87,700 lb	95 knots power-off, landing config- uration, take-off weight
Fuel: 4976 gal	Combat... 105,278 lb	<b>T I M E T O C L I M B</b>
protected 0 %	Take - off 145,053 lb	_____
droppable 0 %	limited by mission	
external 0 %		

**N O T E S**

- PERFORMANCE BASIS:
  - Flight test
- REVISION BASIS: To reflect change in security classification.