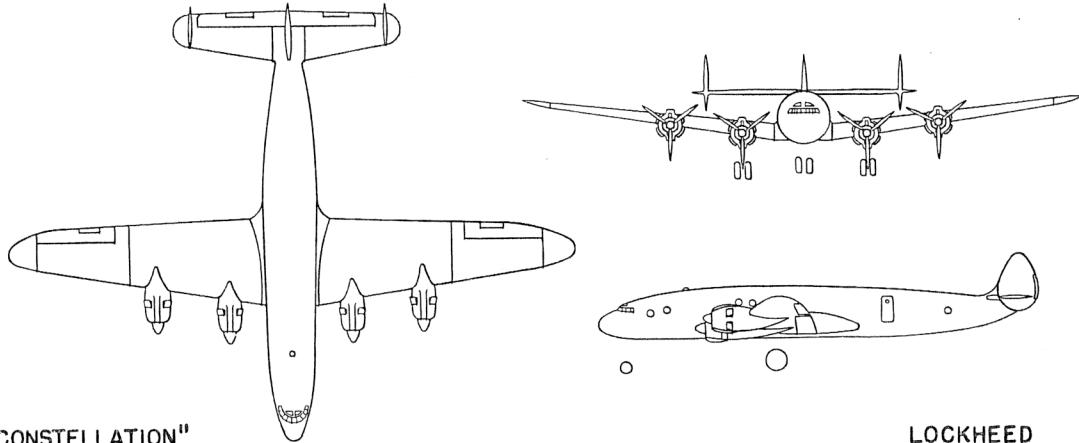


# Characteristics Summary

CARGO . . . . . VC-121B



"CONSTELLATION"

LOCKHEED

Wing Area . . . . . 1650 sq ft      Length . . . . . 95.3 ft  
 Span . . . . . 123.0 ft      Height . . . . . 23.0 ft

**AVAILABILITY**

**PROCUREMENT**

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

**S T A T U S**

1. All C-121A aircraft converted to personnel transports and redesignated VC-121B
2. First Service Use(C-121A): Dec 48
3. Production Completed (C-121A): Mar 49

Navy Equivalent: None

Mfr's Model: 749

**POWER PLANT**

(4)R-3350-75  
 Wright  
**ENGINE RATINGS**  
 BHP - RPM - ALT - MIN  
 T.O: \*2500 - 2800 - S.L. - 5  
      \*\*1900 - 2600 - 15,700 - 5  
 Nor: \*2100 - 2400 - S.L. - C  
      \*\*1800 - 2400 - 16,000 - <sup>o</sup>n<sub>t</sub>  
 \*Low Blower  
 \*\*High Blower

**F E A T U R E S**

- Pressurized Cabin
- Air Conditioning
- Auto-Pilot
- Reverse Pitch Props
- Hydraulic Boost Controls
- Fowler Type Flaps
- Boot De-Icing
- Prop Anti-Icing

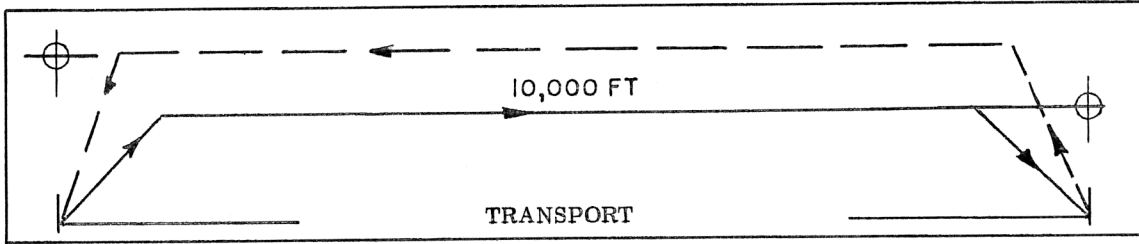
Max Fuel Cap: . . . 5820 gal

**GENERAL**

Crew . . . . . 5  
 Pilot  
 Co-Pilot  
 Flight Engineer  
 Radio Operator  
 Navigator  
                  plus  
 Relief Crew . . . . . 4  
 Passengers:  
     Day Flights . . . . . 24  
     Night Flights . . . . . 14

*Deleted: 5th Ed, 2 Jul 58  
 Add Nr 7;  
 Critical issues:  
 C-121A was  
 converted to  
 VC-121B  
 Please re the date  
 duplicate*

*Characteristics Summary Basic Mission . . . . . VC-121B*



<b>PERFORMANCE</b>		
<b>COMBAT RADIUS</b>	<b>COMBAT RANGE</b>	<b>S P E E D</b>
1000 naut. mi with 11,100 lb payload at 188 knots avg. in 10.7 hours.	2072 naut. mi with 11,100 lb payload at 190 knots avg. in 10.9 hours	COMBAT 269 knots at 10,000 ft alt, nor power MAX 290 knots at 19,000 ft alt, nor power BASIC 282 knots at 25,000 ft alt, nor 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>
1310 fpm sea level, take-off weight normal power	24,400 ft 100 fpm, take-off weight normal power	ground run 2550 ft   — ft no assist   assisted
1900 fpm sea level, combat weight normal power	24,800 ft 500 fpm, combat weight normal power	over 50 ft height 3650 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>
Passengers . . . . . 4800 lb Baggage . . . . . 6300 lb  Fuel: 3666 gal protected 0 % droppable 0 % external 0 %	Empty . . . . . 61,324 lb Combat . . . . . 78,400 lb Take - off 100,520 lb  limited by max landing wt.	84 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 of C-121A

2. Revision Basis: Initial Issue