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

Number available

ACTIVE RESERVE TOTAL

PROCUREMENT

Number to be delivered in fiscal years

STATUS

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 - 0

*Low Blower
**High Blower

FEATURES

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

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## Characteristics Summary Basic Mission - VC-121B

### Performance

<table>
<thead>
<tr>
<th>Combat Radius</th>
<th>Combat Range</th>
<th>Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000 naut. mi with 11,100 lb payload at 188 knots avg. in 10.7 hours.</td>
<td>2072 naut. mi with 11,100 lb payload at 190 knots avg. in 10.9 hours</td>
<td>COMBAT 269 knots at 10,000 ft alt, nor power</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MAX 290 knots at 19,000 ft alt, nor power</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BASIC 282 knots at 25,000 ft alt, nor power</td>
</tr>
</tbody>
</table>

### Climb

<table>
<thead>
<tr>
<th>Ceiling</th>
<th>Take-off</th>
</tr>
</thead>
<tbody>
<tr>
<td>1310 fpm sea level, take-off weight normal power</td>
<td>24,400 ft 100 fpm, take-off weight normal power</td>
</tr>
<tr>
<td>1900 fpm sea level, combat weight normal power</td>
<td>24,800 ft 500 fpm, combat weight normal power</td>
</tr>
</tbody>
</table>

### Payload

<table>
<thead>
<tr>
<th>Load</th>
<th>Weights</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passengers</td>
<td>4800 lb</td>
</tr>
<tr>
<td>Baggage</td>
<td>6300 lb</td>
</tr>
<tr>
<td>Fuel:</td>
<td>3666 gal</td>
</tr>
<tr>
<td>protected</td>
<td>0 %</td>
</tr>
<tr>
<td>droppable</td>
<td>0 %</td>
</tr>
<tr>
<td>external</td>
<td>0 %</td>
</tr>
<tr>
<td>Empty...</td>
<td>61,324 lb</td>
</tr>
<tr>
<td>Combat...</td>
<td>78,400 lb</td>
</tr>
<tr>
<td>Take-off</td>
<td>100,520 lb</td>
</tr>
</tbody>
</table>

### Stall Speed

| 84 knots power-off, landing configuration, take-off weight |

### Time to Climb

N/A

### Notes

1. Performance Basis:
   (a) Flight test of C-121A
2. Revision Basis: Initial Issue