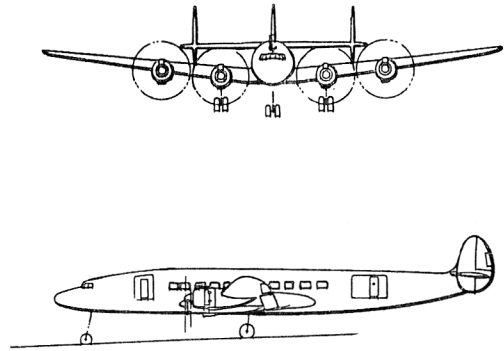
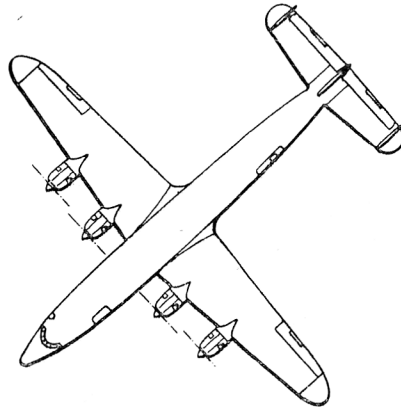


Characteristics Summary

CARGO C-121C

*Duplicate gone
in Black Book
8/29/58*



"SUPER CONSTELLATION"

LOCKHEED

Wing Area 1650 sq ft Length 116.2 ft
Span 123.0 ft Height 24.8 ft

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

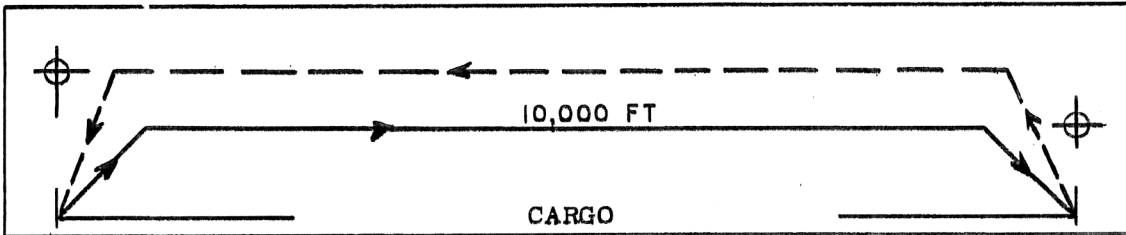
| STATUS | |
|--|--------------------------|
| 1. Contract Date: 16 Dec 53 2. First Flight: 25 Jul 55 (est) 3. First Acceptance: 31 Jul 55 (est) 4. First Service: 15 Aug 55 (est) | |
| Navy Equivalent: R7V-1 | Mfr's Model: 1049F-55-96 |

| POWER PLANT |
|---------------------------------|
| (4) R-3350-34 |
| Wright |
| ENGINE RATINGS |
| BHP - RPM - ALT - MIN |
| T.O: *3250 - 2900 - S.L. - 5 |
| Mil: *3250 - 2900 - 5500 - 5 |
| **2550 - 2600 - 17,000 - 5 |
| Nor: *2600 - 2600 - S.L. - Cont |
| *2650 - 2600 - 6500 - Cont |
| **2450 - 2600 - 17,900 - Cont |
| * Low Blower |
| ** High Blower |

| FEATURES |
|--------------------------|
| Fowler Flaps |
| Control Surface Boosters |
| Fuselage Pressurization |
| Rubber De-icer Boots |
| Max Fuel Cap: 6550 gal |

| GENERAL |
|--|
| Crew 4 |
| Pilot, Co-pilot, Flight Engineer & Radar Navigator |
| plus |
| Relief Crew 4 |
| Troops (max.) 72 |
| or |
| Litters (max.) 47 |
| plus |
| Attendants 2 |
| Main Comp't(max) .4875 cuft |
| (min) .3031 cuft |
| Aft Lower Comp't .424 cuft |
| Fwd Lower Comp't .269 cuft |
| Main Comp't Floor Area 744 sq ft |
| Main Comp't: Length(overall) 83.3 ft |
| Width(max) 11.6 ft |
| Height(max) 6.7 ft |

Characteristics Summary Basic Mission C-121C



| PERFORMANCE | | |
|---|--|---|
| COMBAT RADIUS | COMBAT RANGE | S P E E D |
| 1000 naut. mi with 31640 lb payload at 212 knots avg. in 9.5 hours. | 1810 naut. mi with 31640 lb payload at 225 knots avg. in 8.1 hours | COMBAT 301 knots at 10,000 ft alt, nor power MAX 320 knots at 20,000 ft alt, nor power BASIC 309 knots at 25,000 ft alt, nor power |
| C L I M B | C E I L I N G | T A K E - O F F |
| 1100 fpm sea level, take-off weight normal power | 22,300 ft 100 fpm, take-off weight normal power | ground run 3390 ft no assist — ft assisted |
| 2160 fpm sea level, combat weight normal power | 27,300 ft 500 fpm, combat weight normal power | over 50 ft height 5100 ft no assist — ft assisted |
| L O A D | W E I G H T S | S T A L L I N G S P E E D |
| Cargo 31,640 lb Fuel: 4070 gal protected 0 % droppable 0 % external 0 % | Empty..... 72,815 lb Combat... 88,600 lb Take - off 134,400 lb limited by Max. Zero fuel wt. of 110,000 lb | 96 knots power-off, landing config- uration, take-off weight |
| | | T I M E T O C L I M B |
| | | ————— |

N O T E S

1. Performance Basis:
 (a) Flight Test of R7V-1 & Lockheed 1049E.
 (b) Reference: Lockheed Report 10401, entitled "C-121C Standard Aircraft Characteristics Chart Performance Report", dated January 28, 1955.

2. Revision Basis: To reflect latest performance and revised characteristics data.