**Characteristics Summary**

**CARGO................. YC-121F**

"SUPER CONSTELLATION"

Lockheed

Wing Area ............... 1815 sq ft
Span ........ (w/o tip tanks) 117.0 ft
Span ........ (w/tip tanks) 119.0 ft
Length .................. 116.2 ft
Height .................. 28.5 ft

**AVAILABILITY**

<table>
<thead>
<tr>
<th>Number available</th>
<th>Number to be delivered in fiscal years</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTIVE</td>
<td></td>
</tr>
<tr>
<td>RESERVE</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
</tr>
</tbody>
</table>

**STATUS**

1. Original specification (R7V-2): Nov 51
2. Spec. change proposal for YC-121F: Oct 53
3. First flight (R7V-2): Sep 54
4. First flight (YC-121F): Apr 55
5. First acceptance: Jul 55
6. Production completion: Aug 55

Navy Equivalent: R7V-2

Mfr's Model: 1249A

**POWER PLANT**

(4) T34-P-6
Pratt & Whitney

**ENGINE RATINGS**

S.L.S SHP - LB - RPM - MIN
T.O: 5500-1250-11,000-5
M.I: 5300-1250-11,000-30
N.O: 4750-1125-10,750-Cont

**FEATURES**

Pressurization
Air conditioning
Auto-pilot
Hydraulic boost controls
Fowler type flaps
Aft facing passenger seats
Recently convertible from passenger to litter or to cargo configurations

Max fuel cap: 8750 gal

**GENERAL**

Crew ....... 5 plus 10 relief
Passengers (max) ....... 106
Litters (max) ........... 73
Attendants (max) ......... 4

1 APR 57
<table>
<thead>
<tr>
<th><strong>PERFORMANCE</strong></th>
<th><strong>CLIMB</strong></th>
<th><strong>CEILING</strong></th>
<th><strong>TAKE-OFF</strong></th>
<th><strong>WEIGHTS</strong></th>
<th><strong>STALLING SPEED</strong></th>
<th><strong>TIME TO CLimb</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>COMBAT RADIUS</strong></td>
<td><strong>COMBAT RANGE</strong></td>
<td><strong>S P E E D</strong></td>
<td><strong>LOAD</strong></td>
<td><strong>WEIGHTS</strong></td>
<td><strong>102 knots</strong></td>
<td><strong>1 APR 57</strong></td>
</tr>
<tr>
<td>1000 naut. mi</td>
<td>1998 naut. mi</td>
<td>COMBAT 365 knots at 25,000 ft alt, max power</td>
<td>Cargo: 24,210 lb</td>
<td>Empty... 72,387 lb</td>
<td>power-off, landing configuration, take-off weight</td>
<td></td>
</tr>
<tr>
<td>with 24,210 lb payload</td>
<td>with 24,210 lb payload</td>
<td>MAX 386 knots at 10,000 ft alt, max power</td>
<td>Fuel: 7284 gal</td>
<td>Combat... 97,920 lb</td>
<td></td>
<td></td>
</tr>
<tr>
<td>at 310 knots avg.</td>
<td>at 317 knots avg.</td>
<td>BASIC 365 knots at 25,000 ft alt, max power</td>
<td>protected 0 %</td>
<td>Take-off 148,540 lb</td>
<td></td>
<td></td>
</tr>
<tr>
<td>in 8.6 hours.</td>
<td>in 6.4 hours.</td>
<td>Ground run 2940 ft no assist</td>
<td>droppable 0 %</td>
<td>limited by max landing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CARGO</td>
<td></td>
<td>assisted</td>
<td>external 0 %</td>
<td>weight of 125,000 lb</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2310 fpm</td>
<td>26,400 ft</td>
<td>3900 ft</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sea level, take-off weight</td>
<td>100 fpm, take-off weight</td>
<td>over 50 ft height</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>normal power</td>
<td>normal power</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>4600 fpm</td>
<td>32,900 ft</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sea level, combat weight</td>
<td>500 fpm, combat weight</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>maximum power</td>
<td>maximum power</td>
<td></td>
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</tbody>
</table>

1. Performance Basis:
(a) Estimated data
3. Revision Basis: To reflect changes in performance and characteristics data.