**Characteristics Summary**

**CARGO................. C-74**

**WING**
- Wing Area: 2510 sq ft
- Length: 124.2 ft
- Span: 173.3 ft
- Height: 43.8 ft

**AVAILABILITY**

<table>
<thead>
<tr>
<th>ACTIVE</th>
<th>RESERVE</th>
<th>TOTAL</th>
</tr>
</thead>
</table>

**PROCUREMENT**

**STATUS**

1. Design Initiated: Jan 42
2. Contract Date: Jun 42
3. First Acceptance: Sep 45
4. Production completed: Jan 46
5. Commercial Designation: DC-7

Navy Equivalent: None

**Mfr's Model: 415A**

**POWER PLANT**

- (4) R-4360-49
- Pratt & Whitney
- ENGINE RATINGS
  - BHP - RPM - ALT - MIN
    - 3250 - 2700 - S.L. - 5
  - Mil.: +3500 - 2700 - Turbo - 30
    - 3250 - 2700 - Turbo - 30
  - Nor.: 2650 - 2550 - Turbo - Cont
  - * Wet (Water injection not utilized in C-74)

**FEATURES**

- Reverse Pitch Props
- A-12 Auto Pilot
- Emergency Air Brakes
- Traveling Crane Hoist
- Thermal Anti-Icing
- Max Fuel Capacity: 11,100 gal

**GENERAL**

- Crew (normal): ............... 9
- Troops (max): ............. 125
- Litters (level): ............ 115
- Litters (inclined): ......... 61
- Attendants: ................. 4

**CAPACITIES**

- Main Compartment (vol): 6466 cu ft
- Main Compartment (area): 514 sq ft
- Lower Compartment (vol): 816 cu ft

**MAIN LOADING DOOR**

- Length: ................... 10.4 ft
- Height: ..................... 10.0 ft
- Height from Grd: .......... 11.9 ft

**6 NOVEMBER 1952**
Characteristics Summary Basic Mission

**COMBAT RANGE**

<table>
<thead>
<tr>
<th>PERFORMANCE</th>
<th>SPEED (b)</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMBAT 1000 naut. mi with 48,149 lb payload at 170 knots avg. in 11.8 hours.</td>
<td>COMBAT 264 knots at 5000 ft alt., max power</td>
</tr>
<tr>
<td>1825 naut. mi with 48,149 lb payload at 184 knots avg. in 9.9 hours.</td>
<td>MAX 285 knots at 10,000 ft alt., max power</td>
</tr>
<tr>
<td><strong>CLIMB</strong></td>
<td><strong>CEILING</strong></td>
</tr>
<tr>
<td>800 fpsm sea level, take-off weight normal power</td>
<td>15,200 ft 100 fpsm, take-off weight normal power</td>
</tr>
<tr>
<td>2605 fpsm sea level, combat weight maximum power</td>
<td>21,300 ft 500 fpsm, combat weight maximum power</td>
</tr>
<tr>
<td><strong>LOAD</strong></td>
<td><strong>WEIGHTS</strong></td>
</tr>
<tr>
<td>Cargo: 48,149 lb</td>
<td>Empty..... 86,172 lb</td>
</tr>
<tr>
<td>Fuel: 4840 gal protected 0 %</td>
<td>Combat... 105,979 lb</td>
</tr>
<tr>
<td>dropable 0 %</td>
<td>Take-off 170,000 lb</td>
</tr>
<tr>
<td>external 0 %</td>
<td></td>
</tr>
</tbody>
</table>

**NOTES**

1. Performance Basis:
   (a) Flight test & estimated data
   (b) Speed restriction (AN 01-40NT-1)

2. Revision Basis: To conform to MIL-C-5011A