**Characteristics Summary**

**CARGO. ....................... C-124 C**

"GLOBEMASTER" II

DOUGLAS

Wing area .................................... 2506 sq ft
Length ........................................ 130.0 ft
Span ........................................... 174.1 ft
Height .......................................... 48.3 ft

**AVAILABILITY**

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

**PROCUREMENT**

<table>
<thead>
<tr>
<th>Number available</th>
<th>Number to be delivered in fiscal years</th>
</tr>
</thead>
</table>

**STATUS**

1. The C-124C is similar to the later C-124A airplanes except for change to R4360-63 engines and new propellers.

2. Contract Date: ......................... Aug 51
3. First Flight: ......................... Feb 53
4. First Acceptance: .................... Apr 53
5. Production Completed ............ Apr 55

Navy Equivalent: None

**POWER PLANT**

(4) R-4360-63
Pratt & Whitney

**ENGINE RATINGS**

BHP - RPM - ALT - MIN
T.O. *3800-2800 - S.L. - 5
3400-2800 - 2000 - 5
MIL: *3800-2800 - S.L. - 30
3400-2800 - 2000 - 30
Nor: 2800-2600-5000-Cont
2450-2600-15,000-Cont

*Wet

**FEATURES**

Wing Tip Heaters (anti-icing)
Thermal Anti-icing
Single-Point Fueling
Integral Loading Ramps
Traveling Hoist (18,000 lb)
Loading Elevator
Stowable Auxiliary Floor
Search and Obstacle Floor
Avoidance Radar

Max Fuel Capacity: 11,128 gal

**GENERAL**

Crew (normal): *5
Troops: 200
Litters (level): 127
Litters (inclined): 89
Attendants: 31
Ambulatory Patients: 31

**CAPACITIES**

Main Cabin Vol: 10,000 cu ft
Floor Area (main): 900 sq ft
Floor Area (aux): 560 sq ft
Max Cargo: **72,246 lb
* Relief crew of 3 for long flights
** Limited by zero fuel
**Characteristics Summary Basic Mission C-124 C**

**Performance**

<table>
<thead>
<tr>
<th>Combat Radius</th>
<th>Combat Range</th>
<th>Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000 naut. mi with 68,000 lb payload</td>
<td>1700 naut. mi with 68,000 lb payload</td>
<td>COMBAT 254 knots at 5000 ft alt, limited by structure</td>
</tr>
<tr>
<td>at 178 knots avg. in 11.4 hours</td>
<td>at 190 knots avg. in 9.0 hours</td>
<td>MAX 278 knots at 20,200 ft alt, military power</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BASIC 254 knots at 5000 ft alt, limited by structure</td>
</tr>
</tbody>
</table>

**Climb**

<table>
<thead>
<tr>
<th>Ceiling</th>
<th>Take-off</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 fpsm sea level, take-off weight normal power</td>
<td>COMBAT 254 knots at 5000 ft alt, limited by structure</td>
</tr>
<tr>
<td>12,950 ft 100 fpsm, take-off weight normal power</td>
<td>MAX 278 knots at 20,200 ft alt, military power</td>
</tr>
<tr>
<td>26,400 ft 500 fpsm, combat weight military power</td>
<td>BASIC 254 knots at 5000 ft alt, limited by structure</td>
</tr>
</tbody>
</table>

**Load Weights**

<table>
<thead>
<tr>
<th>Cargo</th>
<th>Fuel</th>
</tr>
</thead>
<tbody>
<tr>
<td>68,000 lb</td>
<td>6948 gal</td>
</tr>
<tr>
<td>0 %</td>
<td>protected</td>
</tr>
<tr>
<td>0 %</td>
<td>droppable</td>
</tr>
<tr>
<td>0 %</td>
<td>external</td>
</tr>
</tbody>
</table>

| Empty..... | 101,165 lb |
| Combat... | 123,700 lb |
| Take-off 216,400 lb | limited by performance |

**Stalling Speed**

| 105 knots power-off, landing configuration, take-off weight |

**Time to Climb**

| 5520 ft no assist | 7380 ft no assist |
| 5520 ft assisted | 7380 ft assisted |

**Notes**

1. Performance Basis:
   (a) Flight test data

2. REVISION BASIS: Data recoordinated this date.