Characteristics Summary

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

"GLOBEMASTER" DOUGLAS

Wing area ......................... 2510 sq ft
Length ................................ 124.2 ft
Span .................................. 173.3 ft
Height ................................ 43.8 ft

Available

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

Status

1. Douglas Model DC-7
2. First production: October 1945
3. Production completed: January 1946

Power Plant

(4) R-4360-49
Pratt & Whitney
ENGINE RATINGS
BHP - RPM - ALT - MIN
3250-2700 - S.L. - 5
MIL: 3500-2700 - Turbo-30
Nor: 2650-2550 - Turbo-Cont.
* Wet

Features

Crew: 5 plus 4 relief
Troops: 125
Litters: (standard) 115
Litters: (inclined) 61
Auto-Pilot
Loran
Thermal Anti-icing
Heating & Ventilating
Traveling Cranes
Hydraulically Operated
Hoists
Max Fuel Cap: 11,100 gal

Armament

None

23 MAY 1950
Characteristics Summary Basic Mission

PERFORMANCE

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>COMBAT RANGE</th>
<th>COMBAT SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000 naut. mi</td>
<td>1780 naut. mi</td>
<td>2.81 knots at 10,000 ft alt.</td>
</tr>
<tr>
<td>with 47,100 lb payload</td>
<td>with 47,100 lb payload</td>
<td></td>
</tr>
<tr>
<td>at 172 knots avg.</td>
<td>at 188 knots avg.</td>
<td></td>
</tr>
<tr>
<td>in 12.0 hours.</td>
<td>in 9.6 hours.</td>
<td></td>
</tr>
</tbody>
</table>

MAXIMUM SPEED

- 285 knots at 10,980 ft alt, max power

CLIMB

- 870 fpm sea level, take-off weight normal power

CEILING

- 15,000 ft 100 fpm', take-off weight normal power

TAKE-OFF

- 2,720 fpm sea level, combat weight maximum power

- 22,000 ft 500 fpm, combat weight maximum power

WEIGHTS

<table>
<thead>
<tr>
<th>Cargo: 47,100 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel: 4593 gal</td>
</tr>
<tr>
<td>protected 0 %</td>
</tr>
<tr>
<td>droppable 0 %</td>
</tr>
<tr>
<td>external 0 %</td>
</tr>
<tr>
<td>Empty..... 86,172 lb</td>
</tr>
<tr>
<td>Combat... 102,550 lb</td>
</tr>
<tr>
<td>Take - off 165,000 lb</td>
</tr>
</tbody>
</table>

STALLING SPEED

- 95 knots flaps down, take-off weight

TIME TO CLimb

- ---

NOTES

1. PERFORMANCE BASIS:
   (a) Flight test
   (b) Fuel density: 6.0 lb/gal
   (c) In computing Radius and Range, specific fuel consumptions have been increased 5% to allow for variation of fuel flow in service aircraft.

2. REVISION BASIS: To show engine ratings and changes in "Status", "Features" and "Notes" blocks.
   *Limited to 243 IAS (knots)