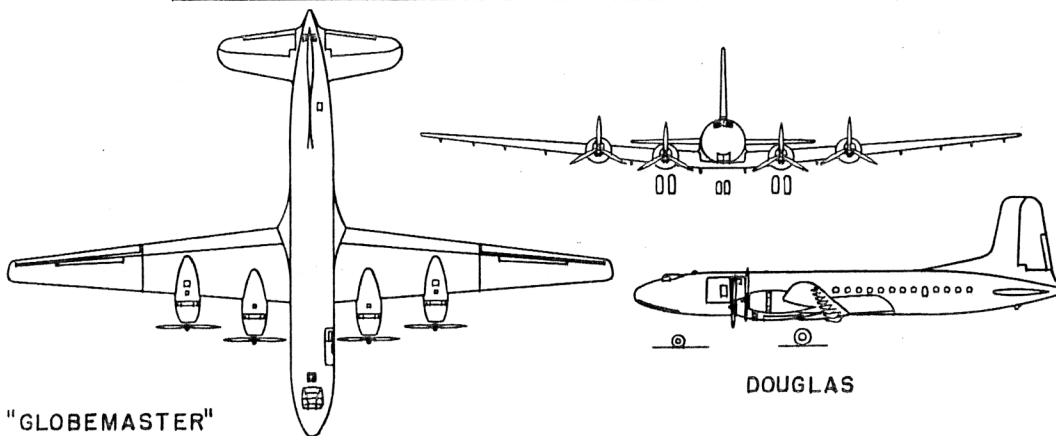


# Characteristics Summary

CARGO..... C-74



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

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

## 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  
 T.O: \*3500-2700-S.L.-5  
 3250-2700-S.L.-5  
 Mil: \*3500-2700-Turbo-30  
 Nor: 2650-2550-Turbo-Cont.

\*Wet

### FEATURES

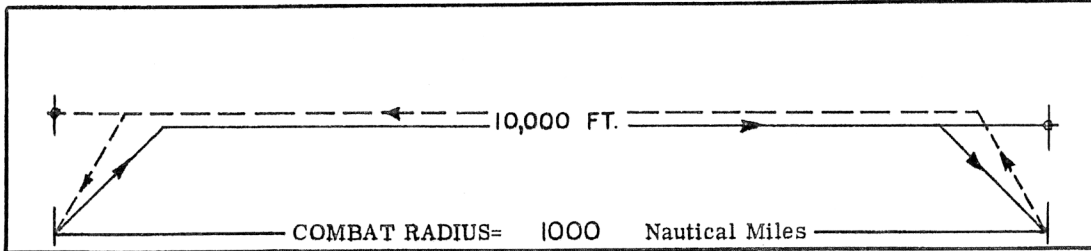
Crew: 5 plus 4 relief  
 Troops: 125  
 Litters: (standard) or 115  
 Litters: (inclined) or 61  
 Auto-Pilot  
 Loran  
 Thermal Anti-icing  
 Heating & Ventilating  
 Traveling Cranes  
 Hydraulically Operated  
 Hoists  
 Max Fuel Cap: 11,100 gal

### ARMAMENT

NONE

*Revised to conform  
 to MIL-C-5011A  
 6 Nov 52*

*Characteristics Summary Basic Mission* ..... C-74



<b>P E R F O R M A N C E</b>		
<b>COMBAT RADIUS</b>	<b>COMBAT RANGE</b>	<b>COMBAT SPEED</b>
1000 naut. mi with 47,100 lb payload at 172 knots avg. in 12.0 hours.	1780 naut. mi with 47,100 lb payload at 188 knots avg. in 9.6 hours.	* 281 knots at 10,000 ft alt. <b>MAXIMUM SPEED</b> 285 knots at 10,980 ft alt, max power
<b>C L I M B</b>	<b>C E I L I N G</b>	<b>T A K E - O F F</b>
870 fpm sea level, take-off weight normal power	15,000 ft 100 fpm, take-off weight normal power	ground run 3165 ft no assist   — ft assisted
2720 fpm sea level, combat weight maximum power	22,000 ft 500 fpm, combat weight maximum power	over 50 ft height 4325 ft no assist   — ft assisted
<b>L O A D</b>	<b>W E I G H T S</b>	<b>S T A L L I N G S P E E D</b>
Cargo: 47,100 lb  Fuel: 4593 gal protected 0 % droppable 0 % external 0 %	Empty..... 86,172 lb Combat... 102,550 lb Take - off 165,000 lb  limited by ground handling characteristics	95 knots flaps down, take-off weight <b>TIME TO CLIMB</b> —

**N O T E S**

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)