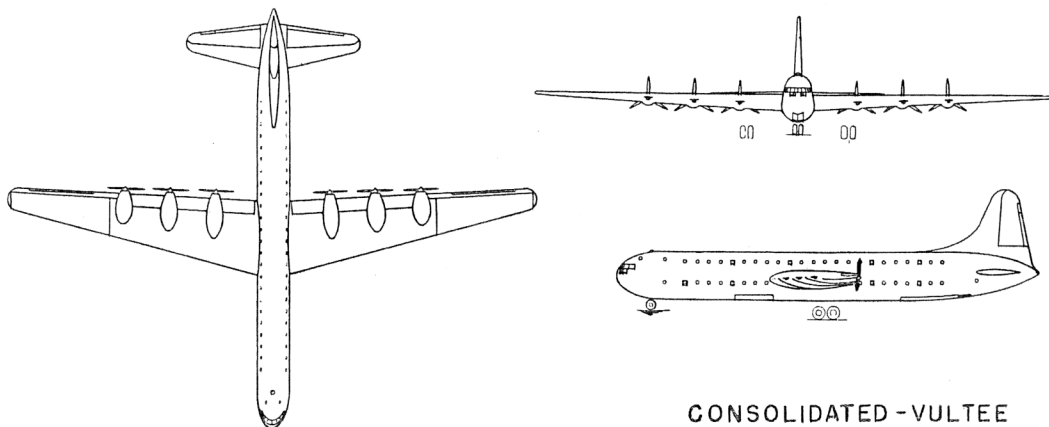


Characteristics Summary

CARGO XC - 99



CONSOLIDATED - VULTEE

Wing Area 4772 sq ft Length 182.5 ft
 Span 230.0 ft Height 57.9 ft

AVAILABILITY

PROCUREMENT

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

STATUS

1. Design initiated: June 1942
2. First flight: November 1947
3. First acceptance: May 1949

POWER PLANT

(6) R-4360-41 Pratt-Whitney
 ENGINE RATINGS
 BHP - RPM - ALT.
 T.O: *3500 - 2700 - SL
 3250 - 2700 - SL
 Mil: *3500 - 2700 -
 Nor: 2650 - 2550 -

*Wet

FEATURES

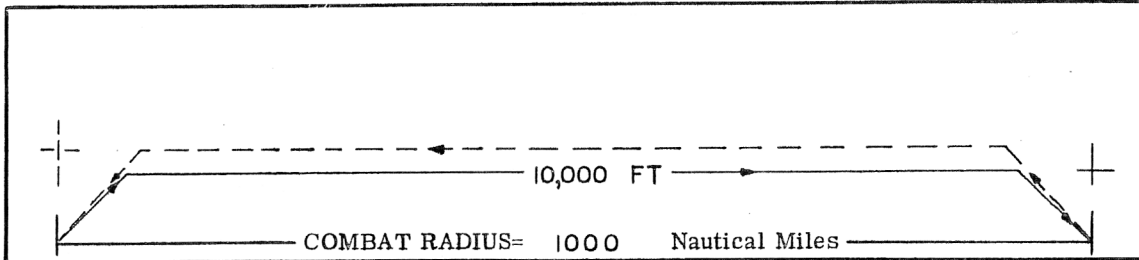
Crew: 5
 plus
 Relief Crew: 5
 Max Troops: 400
 Max Litters: 305
 plus
 Attendants: 35
 Max Cargo: 100,000 lb
 Elect. Operated Hoists: 4
 Heat Anti-icing
 Pressurization
 Cabin Heating
 Max Fuel Cap: 21,116 gal

ARMAMENT

NONE

*There is a gap between
 copies for this date.
 Revision Basis
 to present
 latest performance
 June 51*

Characteristics Summary Basic Mission.....XC - 99



PERFORMANCE		
COMBAT RADIUS	COMBAT RANGE	COMBAT SPEED
1000 naut. mi with 79,350 lb payload at 159 knots avg. in 12.6 hours.	1752 naut. mi with 79,350 lb payload at 170 knots avg. in 10.3 hours.	212 knots at 10,000 ft alt, (see note)
		MAXIMUM SPEED 327 knots at 35,000 ft alt, max power
C L I M B	C E I L I N G	T A K E - O F F
765 fpm sea level, take-off weight normal power	34,000 ft 100 fpm, take-off weight normal power	ground run 3075 ft — ft no assist assisted
1795 fpm sea level, combat weight normal power	40,900 ft 500 fpm, combat weight maximum power	over 50 ft height 4080 ft — ft no assist assisted
L O A D	W E I G H T S	S T A L L I N G S P E E D
Cargo: 79,350 lb Fuel: 7,350 gal protected 0 % droppable 0 % external 0 %	Empty..... 135,914 lb Combat... 160,650 lb Take - off *265,000 lb *limited by strength	95 knots flaps down, take-off weight
		TIME TO CLIMB _____

N O T E S

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

2. REVISION BASIS: To reflect performance data resulting from changes in power plant and aircraft weight.
 NOTE: Limit IAS 182 knots by structure.