

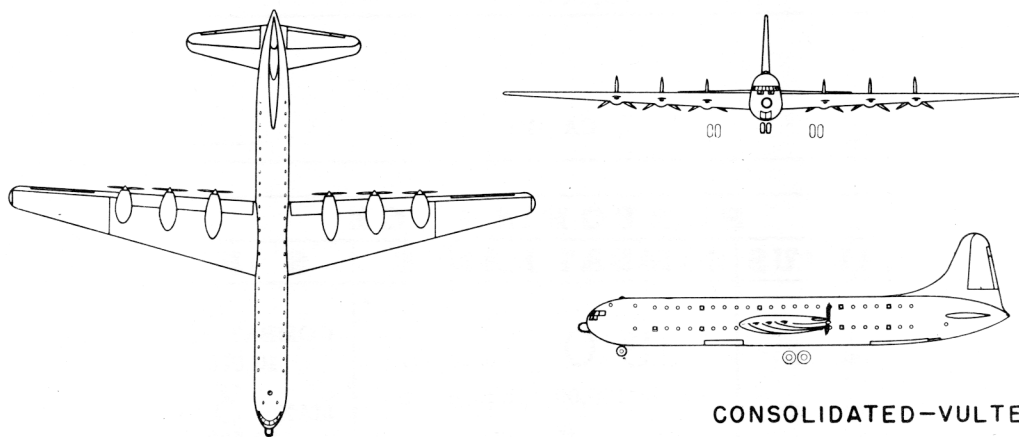
AI XC-99/char

*Deleted: listed in HTR Ed; Add No 25;
1 Jun 57
Not listed: 5th Ed; 12/1/57*

There is a copy for this date.

Characteristics Summary

CARGO XC-99



CONSOLIDATED-VULTEE

Wing area4772 sq ft Length 185.0 ft
Span 230.0 ft Height 57.5 ft

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

STATUS

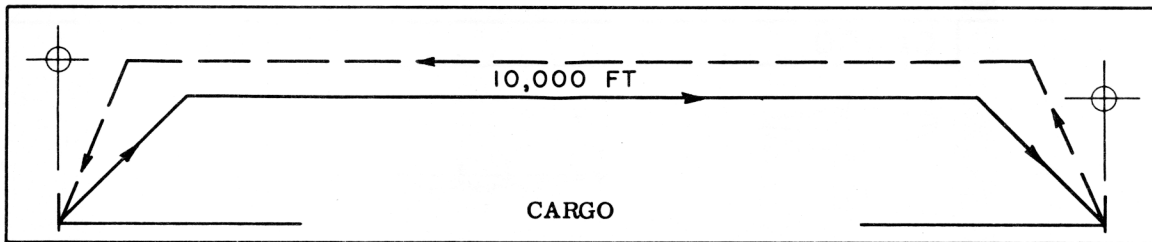
- Design Initiated: Jun 42
- First Flight: Nov 47
- First Acceptance: May 49
- Currently being flown on domestic supply line (one airplane)

Navy Equivalent: None

Mfr's Model: 37

POWER PLANT	FEATURES	GENERAL
(6) R-4360-41 Pratt & Whitney ENGINE RATINGS BHP - RPM - ALT - MIN T.O: *3500 - 2700 - SL - 5 3250 - 2700 - SL - 5 Mil: *3500 - 2700 - Turbo- 30 3250 - 2700 - Turbo- 30 Nor: 2650 - 2550 - Turbo- Cont *Wet	Elec. Oper. Hoists 4 Auto-Pilot Heat Anti-icing Cabin Heating Max Fuel Cap: . . 21,116 gal	Crew 5 plus Relief Crew 5 Troops (max) 400 or Litters (max) 305 plus Attendants 35 or Max Cargo . . . 100,000 lb

Characteristics Summary Basic Mission XC-99



PERFORMANCE		
COMBAT RADIUS	COMBAT RANGE	S P E E D
1000 naut. mi with 100,000 lb payload at 161 knots avg. in 12.5 hours.	1810 naut. mi with 100,000 lb payload at 171 knots avg. in 10.6 hours	COMBAT 222 ⁽²⁾ knots at 10,000 ft alt, max power MAX 308 knots at 34,500 ft alt, max power BASIC 206 knots at 5000 ft alt, max power
C L I M B	C E I L I N G	T A K E - O F F
580 fpm sea level, take-off weight normal power	34,000 ft 100 fpm, take-off weight normal power	ground run 4600 ft — ft no assist assisted
1985 fpm sea level, combat weight maximum power	42,300 ft 500 fpm, combat weight maximum power	over 50 ft height 6600 ft — ft no assist assisted
L O A D	W E I G H T S	STALLING SPEED
Cargo 100,000 lb Fuel: 8423 gal protected 0 % droppable 0 % external 0 %	Empty 137,567 lb Combat 176,500 lb Take - off 304,400 lb limited by max cargo and mission	97 knots power-off, landing config- uration, take-off weight TIME TO CLIMB —————

- N O T E S**
1. Performance Basis:
(a) Flight test
 2. Propeller limits IAS to 191 knots.
 3. Revision Basis: To conform to MIL-C-5011A