

*Duplicate
Black Book
8/29/58*

*Revised: 57A
Add Nv 9, 15 Oct 50*

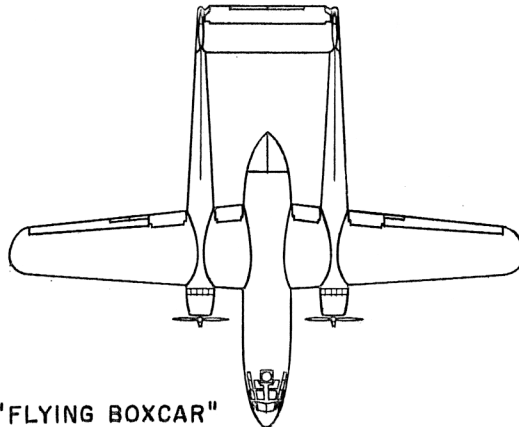
~~Black BOOK~~

UNCLASSIFIED

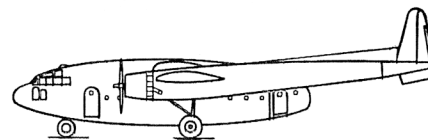
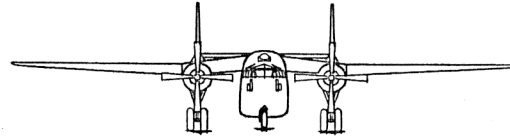
SERVICE

Characteristics Summary

CARGO.....C-119F



"FLYING BOXCAR"



FAIRCHILD

Wing Area 1447.2 sq ft Length 86.5 ft
Span 109.3 ft Height 26.5 ft

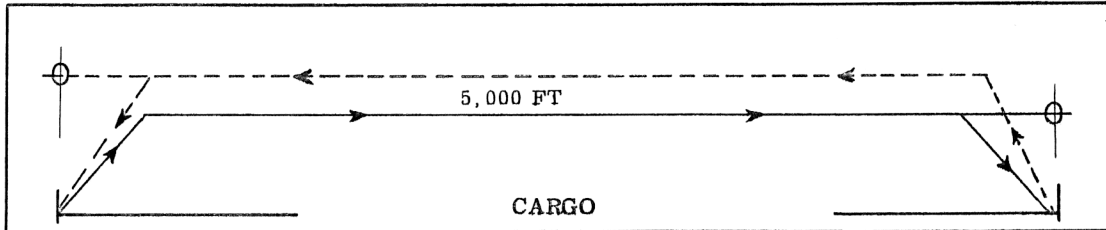
AVAILABILITY			PROCUREMENT			
Number available			Number to be delivered in fiscal years			
ACTIVE	RESERVE	TOTAL				

STATUS

- | | | |
|--------------------------------|--------|--|
| 1. Development of C-119 series | | 5. Similar to the C-119C except for new engine and incorporation of a hydraulic operated landing gear system in lieu of an electrically operated system. |
| 2. First Flight (prototype): | Dec 50 | |
| 3. First Flight: | Mar 52 | |
| 4. First Acceptance: | Mar 52 | |
| 5. Production Completed | | |
| Navy Equivalent: R4Q-2 | | Mfr's Model: M-110 |

POWER PLANT	FEATURES	GENERAL
(2) R-3350-85 Wright	Reversible Props	Crew: 5
ENGINE RATINGS	Thermal Anti-icing	Troops (normal): 42
BHP- RPM - ALT - MIN	Loran	or
T.O: *3500-2900 - SL - 5	Aerial Delivery Provisions (Paracans)	Troops (max): 62
3250-2900 - SL - 5	F-1 Auto Pilot	or
Mil: *3500-2900 - 4500 - 30		Litters: 35
3250-2900 - 3500 - 30		plus
2550-2600 - 15400 - 30		Attendants: 4
Nor: 2650-2600 - 6500 - Cont		or Emergency evacuation
2450-2600 - 16600 - Cont		Troops: 62
* Wet	Max Fuel Cap: . . 2590 gal	Litters: 14
		plus
		Attendants: 4

Characteristics Summary Basic Mission C-119F



P E R F O R M A N C E		
COMBAT RADIUS	COMBAT RANGE	S P E E D
750 naut. mi with 20,650 lb payload at 162 knots avg. in 9.3 hours.	1462 naut. mi with 20,650 lb payload at 158 knots avg. in 9.2 hours	COMBAT 248 knots at 5000 ft alt, max power (dry) MAX 265 knots at 17,900 ft alt, max power (dry) BASIC 248 knots at 5000 ft alt, max power (dry)
C L I M B	C E I L I N G	T A K E - O F F
795 fpm sea level, take-off weight normal power	21,400 ft 100 fpm, take-off weight normal power	ground run 3875 ft — ft no assist assisted
2320 fpm sea level, combat weight maximum power (dry)	26,600 ft 500 fpm, combat weight maximum power (dry)	over 50 ft height 6620 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: 20,650 lb Fuel: 2253 gal protected 100 % dropable 0 % external 0 %	Empty..... 40,118 lb Combat... 49,368 lb Take - off 77,000 lb limited by single engine performance	97 knots power-off, landing config- uration, take-off weight T I M E T O C L I M B _____

N O T E S

1. Performance Basis:
(a) Flight test.

2. Revision Basis: Data reCOORDINATED this date.