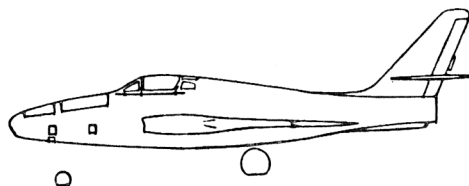
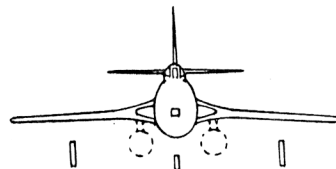
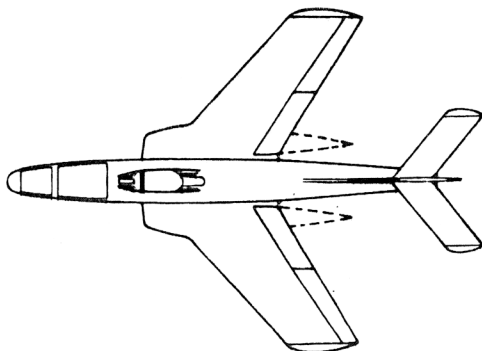


Characteristics Summary

TACTICAL RECONN. RF-84F (W-7 ENG.)



"THUNDERFLASH"

REPUBLIC

Wing Area 325 sq ft Length 47.5 ft
 Span 33.6 ft Height 15.0 ft

AVAILABILITY

PROCUREMENT

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

STATUS

1. First Flight (RF-84F-20): Jun 55
2. First Acceptance (RF-84F-20): Jun 55
3. Production Completed: Aug 56

Navy Equivalent: None

Mfr's Model: AP-23T

POWER PLANT

- (1) J65-W-7 (Wright)
or
- (1) J65-B-7 (Buick)

ENGINE RATINGS

S.L.S. LB - RPM - MIN

Max: 7800 - 8300 - 5

Mil: 7800 - 8300 - 30

Nor: 6870 - 8000 - Cont

A T O

No. & Model ... (4) 14KS-1000

Mfr Aerojet

Thrust (lb) 1000

Duration (sec) 14

FEATURES

- Crew 1
- Liquid Oxygen System
- One-Piece Maneuvering Stabilizer
- Drag Chute
- N-9 Gunsight
- MB-2 Auto-Pilot (prov)
- In-Flight Refueling (Flying Boom Method)
- Droppable Ext. Photo Flash Pods
- Single-Point Grd Refueling
- Speed Brakes

Max Fuel Capacity: 1475 gal

ARMAMENT

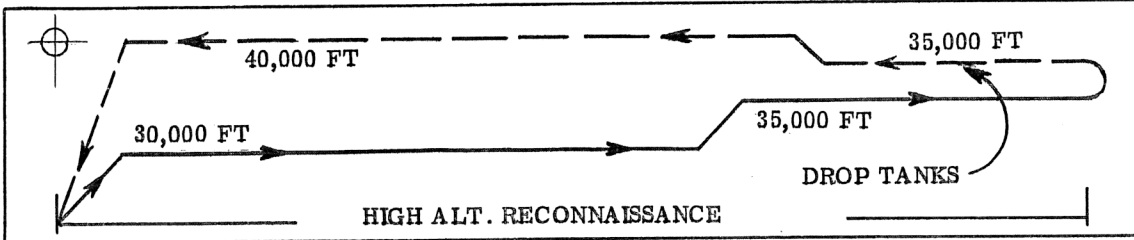
- Guns 4 x .50 cal (M-3)
- Ammunition (tot) . . *400 rds
- *Space provisions for 200 rds/gun

CAMERAS

No.	Station	Lens
	Fwd Oblique	
1	KA-2	6" or 12"
1	K-38	36"
	Fwd Vertical	
1	K-17C	6" or 12"
1	KA-2	12"
1	K-37	12"
1	T-11	6"
	L & R Side Oblique	
2	K-17C	6"
	Aft L Side Oblique	
1	KA-2	12" or 24"
	Prime Vertical	
1	K-38	24" or 36"
1	KA-2	12"

Initial Issue Deleted; 5/1/52, Rtd. No. 9; 15 Oct 52
Duplicate in Book 20 June 52

Characteristics Summary Basic Mission **F-84F**
(W-7 ENGINE)



PERFORMANCE		
COMBAT RADIUS	FERRY RANGE	S P E E D
730 naut. mi with 521 lb payload at 471 knots avg. in 3.15 hours.	1565 naut. mi with 1475 gal fuel at 467 knots avg. in 3.38 hours at 24,869 lb T.O. wt.	COMBAT 506 knots at 35,000 ft alt, max power MAX 547 knots at 5000 ft alt, max power BASIC 506 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
4350 fpm sea level, take-off weight maximum power	36,300 ft 100 fpm, take-off weight maximum power	ground run 5970 ft 4610 ft no assist assisted
5820 fpm sea level, combat weight maximum power	39,200 ft 500 fpm, combat weight maximum power	over 50 ft height 7710 ft 5600 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
Ammo 400 rds/50 cal Photo Equipment 401 lb Fuel: 1475 gal protected 39 % droppable 61 % external 61 %	Empty 14,014 lb Combat 20,091 lb Take - off 25,390 lb limited by mission	144 knots power-off, landing config- uration, take-off weight TIME TO CLIMB 11.6 minutes S.L. to 35,000 ft, Combat Weight, Max Power

N O T E S

1. Performance Basis:
(a) Phase IV Flight Tests

2. Revision Basis: Initial Issue