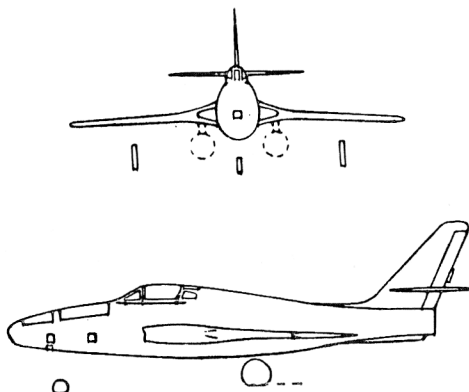
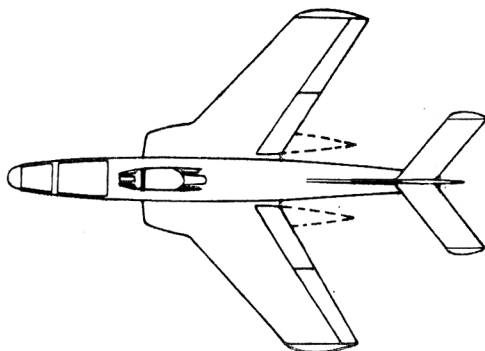


*Replicate in  
Attach Points of 1/25  
Delete 31, 32  
Add Rr 9; 1500*

# Characteristics Summary

TACTICAL RECONN . . . . . RF-84F(W-3 ENGINE)



"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

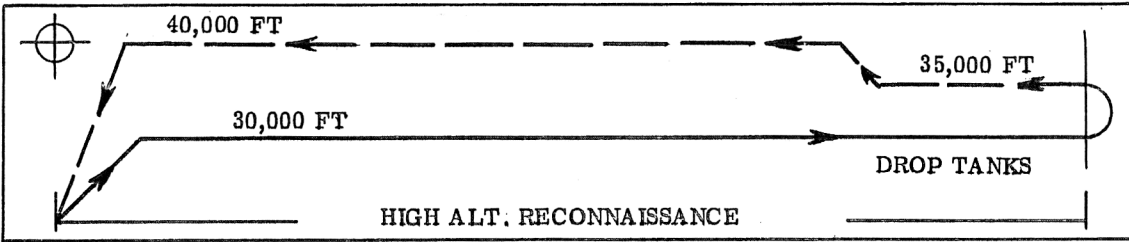
- 1. Mock-Up (RF-84F): May 51
- 2. First Flight (RF-84F-1): Sep 53
- 3. First Acceptance: Jan 54
- 4. Production Completed (RF-84F-15): May 55

Navy Equivalent: None

Mfr's Model: AP-23T

POWER PLANT	FEATURES	ARMAMENT																																																
(1) J65-W-3 (Wright) or (1) J65-B-3 (Buick) ENGINE RATINGS S.L.S. LB - RPM - MIN Max: 7220 - 8300 - 5 Mil: 7220 - 8300 - 30 Nor: 6350 - 8000 - Cont A T O No. & Model... (4) 14KS-1000 Mfr . . . . . Aerojet Thrust (lb) . . . . . 1000 Duration (sec) . . . . . 14	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	Guns . . . . 4 x .50 cal (M-3) Ammunition (tot) . . *400 rds *Space provisions for 200 rds/gun CAMERAS <table border="1"> <thead> <tr> <th>No.</th> <th>Station</th> <th>Lens</th> </tr> </thead> <tbody> <tr> <td colspan="3">Fwd Oblique</td> </tr> <tr> <td>1</td> <td>KA-2</td> <td>6" or 12"</td> </tr> <tr> <td>1</td> <td>K-38</td> <td>36"</td> </tr> <tr> <td colspan="3">Fwd Vertical</td> </tr> <tr> <td>1</td> <td>K-17C</td> <td>6" or 12"</td> </tr> <tr> <td>1</td> <td>KA-2</td> <td>12"</td> </tr> <tr> <td>1</td> <td>K-37</td> <td>12"</td> </tr> <tr> <td>1</td> <td>T-11</td> <td>6"</td> </tr> <tr> <td colspan="3">L &amp; R Side Oblique</td> </tr> <tr> <td>2</td> <td>K-17C</td> <td>6"</td> </tr> <tr> <td colspan="3">Aft L Side Oblique</td> </tr> <tr> <td>1</td> <td>KA-2</td> <td>12" or 24"</td> </tr> <tr> <td colspan="3">Prime Vertical</td> </tr> <tr> <td>1</td> <td>K-38</td> <td>24" or 36"</td> </tr> <tr> <td>1</td> <td>KA-2</td> <td>12"</td> </tr> </tbody> </table>	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"
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*Characteristics Summary Basic Mission . . . . .* **RF-84F**  
(W-3 ENGINE)



<b>P E R F O R M A N C E</b>		
<b>C O M B A T R A D I U S</b>	<b>F E R R Y R A N G E</b>	<b>S P E E D</b>
710 naut. mi with 521 lb payload at 465 knots avg. in 3.10 hours.	1524 naut. mi with 1475 gal fuel at 462 knots avg. in 3.35 hours at 24,869 lb T.O. wt.	COMBAT 511 knots at 30,000 ft alt, max power MAX 538 knots at zero ft alt, max power BASIC 511 knots at 30,000 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>
3920 fpm sea level, take-off weight maximum power	34,000 ft 100 fpm, take-off weight maximum power	ground run 6610 ft no assist   5140 ft assisted
5260 fpm sea level, combat weight maximum power	36,900 ft 500 fpm, combat weight maximum power	over 50 ft height 8670 ft no assist   6040 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>
Ammo . . . 400 rds/50 cal Photo Equipment . . . 401 lb	Empty..... 14,014 lb Combat... 20,089 lb Take - off 25,390 lb limited by mission	144 knots power-off, landing config- uration, take-off weight
Fuel: 1475 gal protected 39 % droppable 61 % external 61 %		<b>T I M E T O C L I M B</b>
		14.5 minutes S.L. to 35,000 ft, Combat Weight, Max Power

**N O T E S**

- Performance Basis:  
(a) Phase IV Flight Tests
- Revision Basis: To reflect performance data based on Phase IV Flight Tests.