

Actual Data

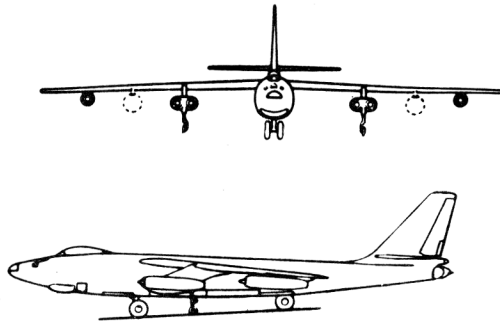
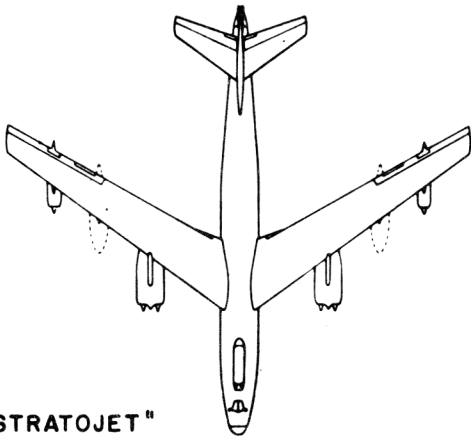
*A1
(R)B-47K/char*

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SERVICE

Characteristics Summary

RECONNAISSANCE RB-47 K



" STRATOJET "

BOEING

Wing Area 1428 sq ft Length 109.8 ft
Span 116.0 ft Height 28.0 ft

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

STATUS

1. RB-47K differs from the RB-47E only by the equipment installed to accomplish the respective recon mission.
 2. Two DR-2 weather recording cameras are installed, one in the nose and the other forward of the observer.
 3. Radiosonde equipment is installed and located in the aft radar compartment.
- Navy Equivalent: None Mfr's Model:

POWER PLANT		
(6)J47-GE-25 General Electric ENGINE RATINGS		
S.L.S. LB	RPM	MIN
Max: *7200	7950	5
	5970	5
Mil:	5670	30
Nor:	5320	Cont
*wet		
with water flow of *650lb/ min		
ATO		
Nr & Model.	*(33)14AS1000	
	33,000	
Thrust (lb)	27,000	
Duration(sec)	14	
or		
Nr & Model..	†(19)14KS1000	
Thrust(lb)	19,000	
Duration (sec)	15	
†Manufactured by Aerojet		
*See note e. Note block		

FEATURES	
Crew	3
Thermal anti-icing	
AN/APQ-31A Bombing- navigation radar	
A-5 fire control system	
Anti-skid brakes	
Approach chute	
Braking chute	
Ejection seats	
Internal fuel tank purging	
Single-point and air refueling	
External droppable ATO rack	
Max fuel cap:	*18,280 gal
*Includes wing drop tanks & large ATO tank	

ARMAMENT	
Turrets	3
Guns:	2x20mm(M24A1)
Ammunition (tot):	700 rds

PHOTO EQUIP	
Vertical Camera Station	
(1) K-38;*(1) K-37;*(1) T-11	
Tri-Camera Station	
(3) KA-3	
Split Vertical Station	
(2) K-38; *(K-37)	
Flash Bombs: . . . 10/M-120 plus	
Photoflash Cart. 200/M-112	
*Alternate Installations	

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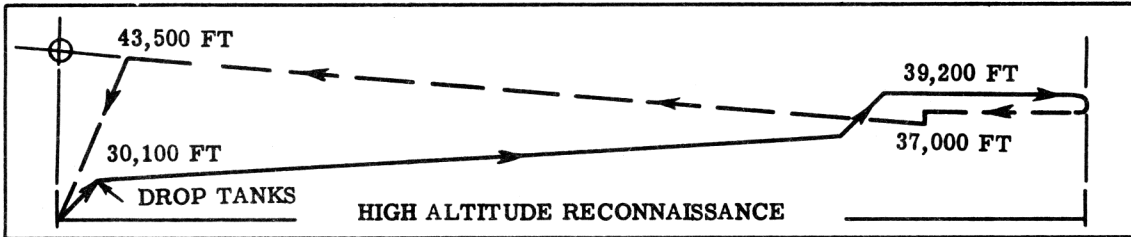
RB-47 K

*Black Fork
5th Ed; Add Nr 12; 15A/w 59*

MAY 20 1959

*57WC-4983
Copy Nr 401*

Characteristics Summary Basic Mission RB-47 K



PERFORMANCE		
COMBAT RADIUS	FERRY RANGE	S P E E D
1915 naut. mi with 720 lb chaff at 433 knots avg in 8.92 hours.	3935 naut. mi with 15,969 gal fuel at 433 knots avg. in 9.15 hours at 200,000 lb T.O. wt.	COMBAT 478 knots at 39,200 ft alt, max power (c) MAX 497 knots at 20,000 ft alt, max power BASIC 490 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
2110 (d) fpm sea level, take-off weight normal power	31,500 (d) ft 100 fpm, take-off weight normal power	ground run 8050 ft no assist 5650 ft assisted
4470 fpm sea level, combat weight maximum power	39,800 ft 500 fpm, combat weight maximum power	over 50 ft height 9450 ft no assist 7100 ft 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
Chaff: 720 lb Ammunition: 700 rds/20mm Fuel: 15,858 gal protected 63 % droppable 8 % external 8 %	Empty..... 81,100 lb Combat... 130,180 lb Take - off 200,000 lb (2) limited by structure	157 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 data
 (b) All approved weight reduction items incorporated
 (c) Placard Speed
 (d) Values quoted are for T.O. weight less ATO, water and alcohol
 (e) (33) 14AS1000 ATO bottles can be utilized with or without displacement racks, however the displacement rack must be utilized in carrying max compliment of (19) 15KS1000.

2. Includes 4610 lb ATO and 5300 lb water and alcohol

3. Revision Basis: Initial Issue

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 Wright-Patterson Air Force Base
 Ohio 45433