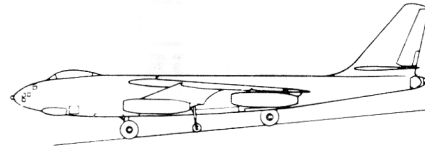
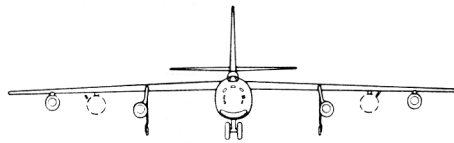
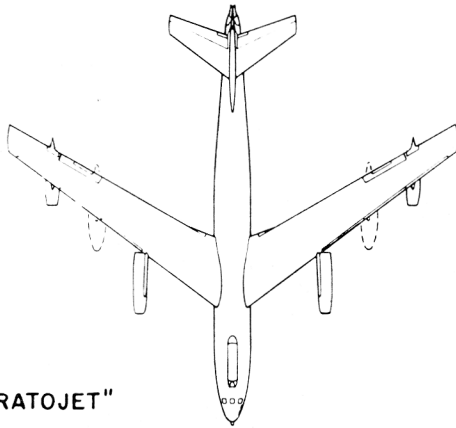


Characteristics Summary

RECONNAISSANCE RB-47C



"STRATOJET"

BOEING

Wing area.....1428 sq ft Length..... 109.5 ft
 Span.....116 ft Height..... 27.9 ft

AVAILABILITY

PROCUREMENT

Number available

Number to be delivered in fiscal years

ACTIVE	RESERVE	TOTAL				

STATUS

- Design initiated: Aug 50
- Reconnaissance version of B-47C
- Prototype first flight: Dec 51 (est.)
- Production article acceptance: Sep 52 (est)
- Formerly designated RB-56A

Navy Designation: None

Manufacturer's Model: 450-24-26

POWER PLANT

(4) J35-A-23*
Allison

ENGINE RATINGS

S.L.Static LB - RPM
 Max: 9700 - 6100
 Mil: 9700 - 6100
 Nor: 8200 - 6100

ATO

(1) Aerojet "YLR-45-AJ-1" or
 (1) M.W.Kellogg "YLR-47-K-1"
 4 chambers (5000 lb thr ea.)
 Total thrust (lb).....20,000
 Duration (sec)..... 60

*See note 3

FEATURES

Crew: 3
 Cabin Pressurization
 Thermal Anti-icing
 Navigational Radar
 Gun-Laying Radar
 Anti-skid Brakes
 Seat Ejection
 Int. & Ext Fuel Tank Purging
 Braking Parachute
 Single-Point Refueling
 Air Refueling Provisions
 Photoflash Bombs
 Max Fuel Cap: 19,163 gal

ARMAMENT

Turrets: 1
 Guns: 2x.50 cal
 Ammunition (tot.): 1200 rds
 Max Flash Bombs: 10xT-9E8

5 JANUARY 1951

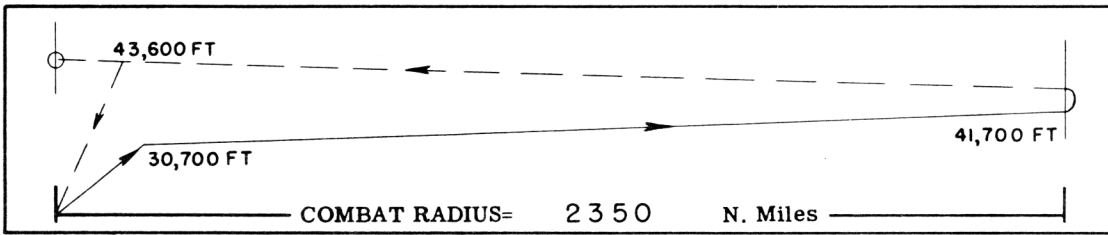
RB-47C

Deleted: listed, 2nd Ed; Add No 23, 26, 53, but omitted, 3rd Ed; Add No 16, 15, 10, 54

Classification cancelled or changed to Unclassified
 AUTH: AFSC AF 4C Dec Class. Guide 1 Jan 64
 BY: a.r. Somelborn 1 Apr 64
 Signature and Grade 16 Dec 1966
 DoD Dir 5200.10

2nd Ed 1 March 51 March 1951

Characteristics Summary Basic Mission RB-47 C



PERFORMANCE		
COMBAT RADIUS	COMBAT RANGE	COMBAT SPEED
2350 naut. mi with 0 lb payload at 426 knots avg. in 11.3 hours.	4730 naut. mi with 0 lb payload at 426 knots avg. in 11.4 hours.	(d) 484 knots at 35,000 ft alt, max power
		MAXIMUM SPEED
		(e) 550 knots at 5800 ft alt, max power
CLIMB	CEILING	TAKE-OFF
3250 fpm sea level, take-off weight normal power	35,000 ft 100 fpm, take-off weight normal power	ground run 7200 ft no assist 4220 ft assisted
6700 fpm sea level, combat weight maximum power	42,600 ft 500 fpm, combat weight maximum power	over 50 ft height 8600 ft no assist 5460 ft assisted
LOAD	WEIGHTS	STALLING SPEED
Ammunition: 1200 rds/.50 cal	Empty..... 80,811 lb Combat... 128,400 lb Take - off 180,000 lb	138 knots flaps down, take-off weight
Fuel: 14,760 gal protected 75% droppable 0% external 0%	limited by strength T.O. Wt does not include ATO fuel.	TIME TO CLIMB —

N O T E S

1. PERFORMANCE BASIS:
 (a) Contractor's estimated data. (Not substantiated by AMC)
 (b) Fuel density: 6.5 lb/gal (JP-3)
 (c) Normal take-off technique is with ATO rockets of 60 second duration fired at start of roll.
 (d) Limited by buffeting
 (e) Limited by strength

2. REVISION BASIS: To reflect change in performance data.

3. The engine installation for RB-47C aircraft will be J35-A-23 or J47-G-21. Performance data in this analysis is based on the J35-A-23 engine
 *Daylight mission

RB-47C