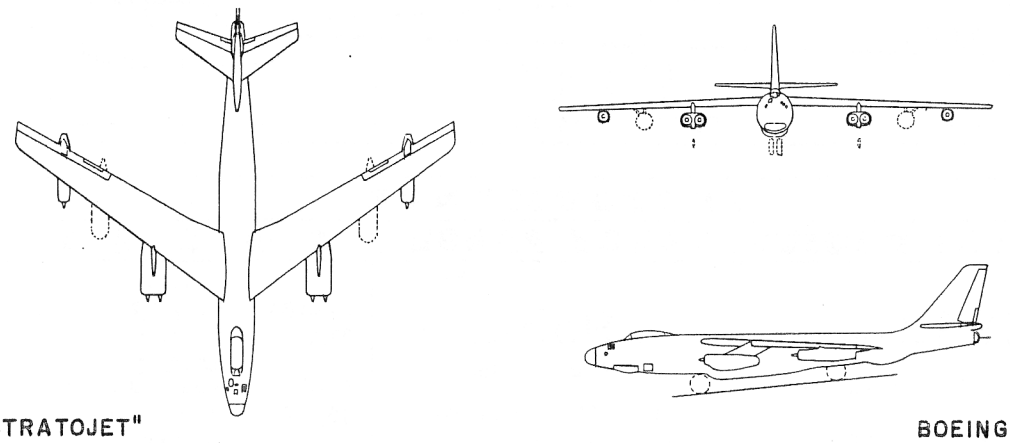
Characteristics Summary

RECONNAISSANCE RB-47H



"STRATOJET" BOEING

Wing Area . . . . . 1428 sq ft
Span . . . . . 116.3 ft
Length . . . . . 108.7 ft
Height . . . . . 28.0 ft

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

STATUS

1. RB-47H airplane was designed to accomplish Electronic Reconnaissance.
2. Design Initiated: Aug 53
3. First Flight: Jun 55

Navy Equivalent: None
Mfr's Model: 450-172-52

POWER PLANT

(6)J47-GE-25
General Electric
ENGINE RATINGS

S.L.S.	LB	RPM	- MIN
Max:	*7200	- 7950	- 5
	5970	- 7950	- 5
Mil:	5670	- 7800	- 30
Nor:	5320	- 7630	- Cont

*wet
with water flow of *650lb/min

FEATURES

Crew 6
Thermal Anti-icing
AN/ASQ-51 Bombing Navigational System
Radar
A-5 Fire Control System
Anti-Skid Brakes
Approach Chute
Braking Chute
Ejection Seats
Single-Point and Air Refueling
ECM Equipment

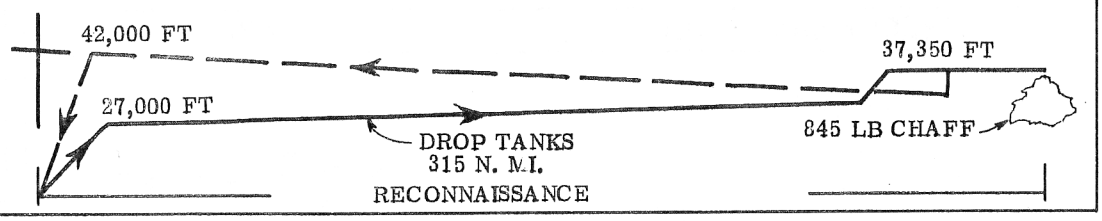
Max Fuel Cap: *18,370 gal

*Includes wing drop tanks

ARMAMENT

Turrets 1
Guns . . . . 2x20mm(M24A1)
Ammunition(tot): . . . . 700 rds

Characteristics Summary Basic Mission RB-47H



PERFORMANCE

COMBAT RADIUS

1942 naut. mi
with 845 lb payload
at 425 knots avg.
in 9.43 hours.

FERRY RANGE

3935 (b) naut. mi
with 18,370 gal fuel
at 425 knots avg.
in 9.39 hours
at 213,491 lb T.O. wt.

SPEED

COMBAT 479 knots at 37,350 ft alt, mil power
MAX 523 knots at 15,600 ft alt, mil power
BASIC 486 knots at 35,000 ft alt, mil power

CLIMB

1839 fpm
sea level, take-off weight
normal power

3960 fpm
sea level, combat weight
military power

CEILING

27,600 ft
100 fpm, take-off weight
normal power

37,900 ft
500 fpm, combat weight
military power

TAKE-OFF

ground run

10,100 ft	ft
no assist	assisted

over 50 ft height

11,700 ft	ft
no assist	assisted

LOAD

Ammo: . . . 700 Rd 20mm
Chaff: . . . . . 845 lb

Fuel:	18,370 gal
protected	47.2 %
droppable	18.5 %
external	18.5 %

WEIGHTS

Empty..... 83,642 lb
Combat... 136,955 lb
Take - off 213,491 (c) lb
limited by capacity

STALLING SPEED

162 knots
power-off, landing configuration, take-off weight

TIME TO CLIMB

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NOTES

1. Performance Basis:
   (a) RB-47H flight test data (June, 1956) and AFFTC-TN-55-22 "RB-47H limited phase IV performance evaluation."
   (b) 845 lb of chaff carried, but is not released during the mission.
   (c) Includes 5300 lb water.
2. Revision Basis: To reflect changes in performance and electronics. Data co-ordinated by OCAMA, Aug 60