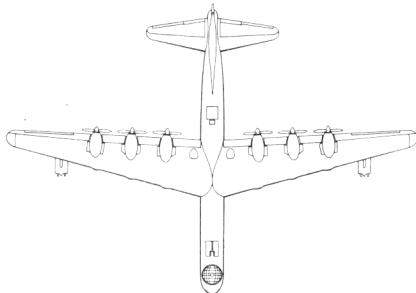


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 SECRET

SERVICE

Characteristics Summary

RECONNAISSANCE RB-36D & E (III)



CONSOLIDATED - VULTEE

Wing Area 4772 sq. ft.

Length 162.1 ft.

Span 230 sq. ft.

Height 46.8 ft.

AVAILABILITY

PROCUREMENT

Number available

Number to be delivered in fiscal years

ACTIVE	RESERVE	TOTAL				

STATUS

	RB-36D-III	RB-36E-III	5. Major differences from the RB-36D & E standard aircraft are the removal self-sealing pads, fuel purging system, crew comfort items, gun sighting blisters, and all turrets except the tail turret.
1. Contract Approved:	Feb. 54	Feb. 54	
2. First Flight:	Aug. 54	June 54	
3. First Delivery:	Aug. 54	June 54	
4. Modification Completed:	Nov. 54	Oct. 54	
Navy Equivalent: None			Mfr's Model: 36

POWER PLANT

(6) R-4360-41
 Pratt & Whitney

Engine Ratings

T.O.:	BHP	RPM	ALT	MIN
	*3500	2700	Turbo	5
	3250	2700	Turbo	5
Mil:	*3500	2700	Turbo	30
	3250	2700	Turbo	30
Nor:	2650	2550	Turbo	Cont

*Wet
 PLUS
 (4) J47-GE-19
 General Electric

S.L.S	LB	RPM	MIN
MAX:	5200	7950	5
MIL:	5200	7950	30
NOR:	4730	7630	Cont

FEATURES

Crew 19
 Cameras 14

Cabin Pressurization
 Thermal Anti-Icing
 Gun Laying Radar
 AN/APG-32 or
 AN/APG-32A
 Loran
 Defensive, Ferret & Weather
 ECM
 Removable Jet Pods
 Max. Fuel Capacity 33,626 gal.

ARMAMENT

Turrets 1

Guns. . . 2x20mm (M-24A1)

Ammunition(Tot). 1200 rds

BOMBS:

No. Class (lb)

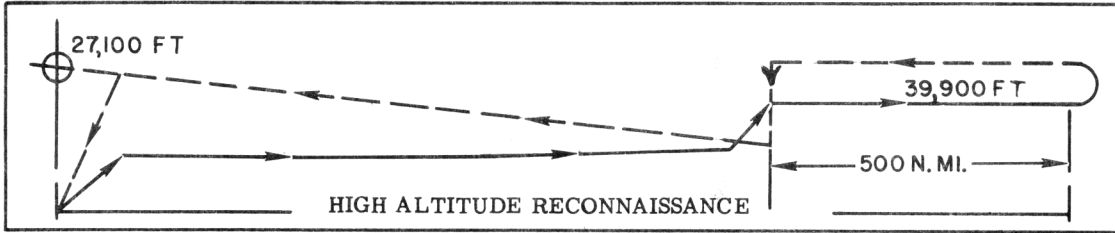
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*Deleted: 574 Est.
 Add N 5; 1 May 58*

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 or changed to ~~Unclassified~~
 AUTH: AFSC-AFSC Security class. Issue 1 Feb 64
 By O. R. Somelton 31 March 64 Das Div 5200, 10
 Signature and Grade 21 Dec 1966 E Jan 68

Characteristics Summary Basic Mission RB-36D & E (III)



PERFORMANCE		
COMBAT RADIUS	FERRY RANGE	S P E E D
3225 naut. mi with 3664 lb payload at 188 knots avg. in 33.9 hours	7765 Naut. Mi. with 32,040 gal fuel at 176 knots avg. in 44.2 hours at 370,000 lb T.O. wt.	COMBAT 355 knots at 39,900 ft alt, max power MAX 360 knots at 37,200 ft alt, max power BASIC 339 knots at 25,000 ft alt, max power
C L I M B	C E I L I N G	T A K E - O F F
950 fpm sea level, take-off weight normal power	33,000 ft 100 fpm, take-off weight normal power	ground run 4400 ft no assist _____ ft assisted
2220 fpm sea level, combat weight maximum power	40,700 ft 500 fpm, combat weight maximum power	over 50 ft height 5685 ft no assist _____ 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
Flash Bombs: 2256 lb Chaff: 1408 lb Ammunition: 1200 rds/20mm Fuel: 31,405 gal protected (Part) 0% droppable 0% external 0%	Empty. . . 163,560 lb Combat . . 251,900 lb Take-off *370,000 lb *Limited by structure	107 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

- Performance Basis:
Calculations based on flight test of B-36D Aircraft with configuration adjustments.
- Revision Basis:
To reflect Featherweight Flight Test data and approved engineering changes.